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POWERED BY
IMG STAGELINE**

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PROGRESSIVE METAL, GERMANY



T H E
H I R S C H
E F F E K T

ALTERNATIVE ROCK, UK



Rews

INDIE & FOLK, SWEDEN



THE BLAND

THE IMG STAGELINE FAMILY

Without passion, it is only technology. Our tools should be your constant companion: in the rehearsal room between egg carton and tapestry, on stage in a club where sweat is dripping from the ceiling or simply at home when inspiration suddenly hits you while having cold pizza and your morning coffee. Hence, working closely with artists is very important to us. It allows us to learn how to make our products even better while we can also give something back to them. This makes our artists very special: they become part of our identity, they become part of our family.

More at: www.img-stageline.com/artists

ADJUST
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HIGHLIGHTS

5

Digital or analogue? Zeros and ones or analogue faders? Why not both?

The new digital mixer DELTA-160 combines the best of both worlds: full convenience and flexibility of a digital mixer with the intuitive operation of a standard analogue mixer. No matter whether on stage, in the rehearsal room or in a small basement club, the DELTA-160 is the first choice for live mixers, DJs and bands who value an outstanding sound, maximum functionality and reliable technology, but really want to concentrate on one thing only: the music. 16 channels, 9 motorised faders, digital gains, a large touch screen and a robust metal housing stand for performance and versatility which are normally not found in this price class. Key functions can be controlled via haptic faders. The convenient touch display and clearly arranged user interface add the final touch to your mix. Thus, you always have your sound under control, even remotely via iOS.



DELTA-160

Order No. 0203190



16-channel digital audio mixer

- 12 mono input channels (comb. inputs XLR/6.3 mm jack)
- 2 stereo input channels
- 1 S/PDIF input
- 1 USB audio channel
- USB recording (stereo master) and playback with 192 kHz/24 bits max.
- Integrated DSP (2 x reverb, 2 x modulation, 2 x delay, 2 x 31-band graphic equalizer)
- 8 XLR outputs
- 1 monitor output (6.3 mm jack)
- 1 AES/EBU output
- 1 S/PDIF output
- Can be remote-controlled via app (iOS)
- +48 V phantom power, can be activated as required for each mono input channel

- 1 adjustable headphone output
- 17.8 cm (7") colour LCD touch screen for display and settings
- Supplied with power supply

Model	DELTA-160
Mic input	0.4 mV/3 mV, bal. (comb. jack)
Line input	8 mV, bal. (stereo)
Master output	700 mV, bal. (XLR)
Monitor output	700 mV, bal. (6.3 mm jack)
Headphones	> 8 Ω
Frequency range	20-20,000 Hz
THD	< 0.01%
Crosstalk	> 69 dB
Equalizer bass	DSP (4-band equalizer)
Equalizer midrange	DSP (4-band equalizer)
Equalizer treble	DSP (4-band equalizer)
Power supply	via encl. power supply
Dimensions	335 x 140 x 410 mm
Weight	5.55 kg

MAXX



MONITOR

Small, smaller, FLAT

Even if your songs are great, the stages you play on may not always be that great. Little space, modest sound; there are many challenges an artist has to face on stage every day. We have developed the FLAT monitor series exactly for this scenario: smaller than some shoebox but still with a full and transparent monitor sound for stage applications, your rehearsal room and anywhere you need to hear yourself clearly.

FLAT-M200

Order No. 0259876



Active PA stage monitor speaker system, 300 W

- Flat and very compact full range system
- Fitted with 4 x 10 cm (FaitalPRO, 4 x 4") full range speaker with neodymium magnets
- Class D amplifier system
- Sound pressure at nominal power: 122 dB
- Indication of signal and limiter
- Volume control and tone control
- Balanced line/mic input and feed-through output
- High-quality multiplex wooden cabinet with protective metal grille
- 2 x M10 and 2 x M6 threaded inserts for stand adapter or mounting device
- Supplied with clamp for mounting, e.g. onto a microphone stand



Model	FLAT-M200
Total output power	300 W
Power rating (RMS)	200 W
Frequency range	70-20,000 Hz
Input signal	25 mV/28 kΩ (line, bal.), 6 mV/20 kΩ (mic, bal.)
Sensitivity	98 dB/W/m
Housing material	multiplex
Mounting device	2 x M10 threaded insert, 2 x M6 threaded insert
Admiss. ambient temp.	0-40 °C
Power supply	~ 230 V/50 Hz/356 VA
Dimensions	320 x 150 x 250 mm
Weight	4.11 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR link out



FLAT-M100

Order No. 0259590



Active PA stage monitor speaker system, 200 W

- Flat and very compact full range system
- Fitted with 2 x 10 cm (FaitalPRO, 2 x 4") full range speaker with neodymium magnets
- Class D amplifier system
- Sound pressure at nominal power: 116 dB
- Indication of signal and limiter
- Volume control and tone control
- Balanced line/mic input and feed-through output
- High-quality multiplex wooden cabinet with protective metal grille
- 2 x M10 and 2 x M6 threaded inserts for stand adapter or mounting device
- Supplied with clamp for mounting, e.g. onto a microphone stand



Model	FLAT-M100
Total output power	200 W
Power rating (RMS)	100 W
Frequency range	90-20,000 Hz
Input signal	16 mV/28 kΩ (line, bal.), 5 mV/20 kΩ (mic, bal.)
Sensitivity	97 dB/W/m
Housing material	multiplex
Mounting device	2 x M10 threaded insert, 2 x M6 threaded insert
Power supply	~ 230 V/50 Hz/175 VA
Dimensions	265 x 120 x 192.5 mm
Weight	2.4 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR link out





TRANSMIT

5 V=150 mA

SET



IMG
STAGELINE

FLY-16T

UHF PLL
TRANSMITTER

CH



5V=150 mA

ON

OFF

100V

100V

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Audio transmission without cable clutter

The FLY system allows for a transmission of line signals - without cables. The FLY devices represent a real plug-and-play solution and feature 16 selectable pre-programmed channels and a wireless analogue transmission over a distance of up to 90 metres.

Let's put an end to cable clutter: made possible by IMG STAGELINE and the new FLY series.

FLY-16R

Order No. 0259570

16-channel wireless PA audio receiver, with UHF PLL technology.

- For analogue wireless transmission of line audio signals in PA systems
- Frequency range: 823-832 MHz
- 16 pre-programmed channels, selectable
- Up to 8 intermodulation-free channels
- Multiple receivers FLY-16R can be operated via one transmitter FLY-16T
- Indication for channel and battery status
- Supplied with USB cable

Model	FLY-16R
Description	16-channel wireless PA audio receiver
Carrier frequency range	823-832 MHz
Audio frequency range	30-17,000 Hz
THD	0.3%
Admiss. ambient temp.	0-40 °C
Power supply receiver	1 x 1.5 V batt. AA size, = 5 V/150 mA via micro USB jack
Dimensions receiver	22 x 23 x 102 mm
Weight receiver	25 g
Connections receiver	3-pole XLR plug



FLY-16T

Order No. 0259580

16-channel wireless PA audio transmitter, with UHF PLL technology.

- For analogue wireless transmission of line audio signals in PA systems
- Frequency range: 823-832 MHz
- 16 pre-programmed channels, selectable
- Up to 8 intermodulation-free channels
- Indication for channel and battery status
- Supplied with USB cable

Model	FLY-16T
Description	16-channel wireless PA audio transmitter
Carrier frequency range	823-832 MHz
Audio frequency range	30-17,000 Hz
THD	0.3%
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Operating range	approx. 90 m
Power supply transmitter	1 x 1.5 V batt. AA size, = 5 V/150 mA via micro USB jack
Dimensions transmitter	22 x 23 x 116 mm
Weight transmitter	54 g
Connections transmitter	3-pole XLR jack



FLY-16SET

Order No. 0259854

16-channel wireless PA audio transmission set, with UHF PLL technology.

- Consisting of 16-channel wireless PA audio transmitter FLY-16T and 16-channel wireless PA audio receiver FLY-16R
- For analogue wireless transmission of line audio signals in PA systems
- Frequency range: 823-832 MHz
- 16 pre-programmed channels, selectable
- Up to 8 intermodulation-free channels

- Audio transmission range: 30-17,000 Hz
- Compact size
- For further specifications, please refer to individual items



There are restrictions or requirements in the EU!

Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!



RECORD

Plug. Play. Record.

Are you a singer, songwriter or podcaster? Perfect. Our new recording bundles are the ideal starter sets for musicians who are looking for affordable studio quality for home recording. Microphones, USB interface, cables, tripods and pop protection, you can easily set up your first own home studio and start recording right away.

SONGWRITER-1

Order No. 0230654



Recording bundle for songwriters, consisting of:

- 1 x large diaphragm condenser microphone ECMS-70 for vocal recordings
- 1 x compact large diaphragm condenser microphone ECMS-60 for recordings of e.g. acoustic guitars
- 1 x microphone pop filter KM-23956
- 2 x microphone floor stand MS-20/SW
- 2 x XLR cable MECN-600/SW, 6 m, NEUTRIK connectors
- 1 x 2-channel USB recording interface MX-210

For additional specifications, please refer to individual items.



PODCASTER-1

Order No. 0230653



Recording bundle for podcasters, consisting of:

- 1 x large diaphragm condenser microphone ECMS-70
- 1 x microphone pop filter KM-23956
- 1 x microphone floor stand MS-12
- 1 x XLR cable MECN-200/SW, 2 m, NEUTRIK connectors
- 1 x 1-channel USB recording interface MX-110

For additional specifications, please refer to individual items.



MICROPHONES

Your microphone is your constant companion: on stage, in the rehearsal room, maybe even in your own home studio. Microphones for everyday use therefore do not have to be expensive, but good. What makes a good microphone? High reliability, a neutral sound, robust workmanship. You can find all this with our microphones and sometimes even more. And it does not matter whether you choose a dynamic or a condenser microphone, want to use wireless technology or classic cable transmission.





MICS

Microphones

Large Diaphragm Microphones

ECMS-90

Order No. 0236970

Large diaphragm condenser microphone, for professional studio applications.

- 2.8 cm (1.1") extra thin gold-plated diaphragm
- Low cut switch
- 10 dB attenuation, switchable
- 48 V phantom power
- Supplied with vibration absorbing support (spider) with 16 mm (5/8") tripod socket and 9 mm (3/8") adapter screw, microphone windshield and leather bag
- Supplied in a foam-padded case

Model	ECMS-90
Polar pattern	cardioid
System	condenser
Audio frequency range	20-20,000 Hz
Nominal impedance	200 Ω
Sensitivity	20 mV/Pa
S/N ratio	78 dB
Max. sound pressure	135 dB
Power supply	= 48 V, phantom power
Housing material	metal
Dimensions	Ø 50 mm x 185 mm
Weight	430 g
Connection	XLR, bal.



ECMS-70

Order No. 0236960

Large diaphragm condenser microphone, for professional studio applications.

- 2.5 cm (1") extra thin gold-plated diaphragm
- 48 V phantom power
- Supplied with vibration absorbing support (spider) with 16 mm (5/8") tripod socket and 9 mm (3/8") adapter screw, microphone windshield and leather bag

Model	ECMS-70
Polar pattern	cardioid
System	condenser
Audio frequency range	20-20,000 Hz
Nominal impedance	150 Ω
Sensitivity	20 mV/Pa
S/N ratio	78 dB
Max. sound pressure	132 dB
Power supply	= 48 V, phantom power
Housing material	metal
Dimensions	Ø 50 mm x 185 mm
Weight	310 g
Connection	XLR, bal.



ECMS-60

Order No. 0236950

Large diaphragm condenser microphone, for professional studio applications.

- Compact design
- 2.5 cm (1") extra thin gold-plated diaphragm
- 48 V phantom power
- Supplied with microphone support with 16 mm ($\frac{5}{8}$ " tripod socket and 9 mm ($\frac{3}{8}$ " adapter screw and leather bag

Model	ECMS-60
Polar pattern	cardioid
System	FET condenser
Audio frequency range	20-20,000 Hz
Nominal impedance	200 Ω
Sensitivity	17,8 mV/Pa
S/N ratio	> 70 dB
Max. sound pressure	125 dB
Power supply	= 48 V, phantom power
Housing material	metal
Dimensions	\varnothing 50 mm x 130 mm
Weight	290 g
Connection	XLR, bal.



ECMS-50USB

Order No. 0236940



Large diaphragm USB condenser microphone, for ambitious home recording.

- For operating directly at a PC or laptop
- No driver installation required, device will be identified automatically
- Integrated high-quality A/D converter: 48 kHz/16 bits
- 2.5 cm (1") extra thin gold-plated diaphragm
- Supplied with vibration absorbing support (spider) with 16 mm ($\frac{5}{8}$ " tripod socket and 9 mm ($\frac{3}{8}$ " adapter screw, 1.8 m USB connection cable and leather bag
- Suitable for Windows* 2000/XP/Vista/7/8/10 or Mac OS* X

Model	ECMS-50USB
Polar pattern	cardioid
System	electret condenser
Audio frequency range	20-18,000 Hz
Sensitivity	25 mV/Pa
S/N ratio	> 78 dB
Max. sound pressure	138 dB
Power supply	= 5 V via USB interface
Housing material	metal
Dimensions	\varnothing 50 mm x 185 mm
Weight	250 g
Cable	1.8 m
Connection	USB Type-B jack





T H E
H I R S C H
E F F E K T

DM-9

Order No. 0237211

Dynamic microphone, for stage and vocals.

- Supercardioid polar pattern
- Neodymium version
- Active Handling Noise Cancelling technology (AHNC) for minimising handling noise
- Humbucker coil for minimising electromagnetic interference
- Aluminium body
- Supplied with microphone holder

Model	DM-9
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-18,000 Hz
Nominal impedance	600 Ω
Sensitivity	2 mV/Pa
Max. sound pressure	142 dB
Housing material	aluminium
Dimensions	Ø 55 mm x 181 mm
Weight	330 g
Connection	XLR, bal.



DM-9S

Order No. 0237212

Dynamic microphone, for stage and vocals.

- Supercardioid polar pattern
- Neodymium version
- Active Handling Noise Cancelling technology (AHNC) for minimising handling noise
- Humbucker coil for minimising electromagnetic interference
- Innovative low-noise slide potentiometer switch
- Aluminium body
- Supplied with microphone holder

Model	DM-9S
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-18,000 Hz
Nominal impedance	600 Ω
Sensitivity	2 mV/Pa
Max. sound pressure	142 dB
Housing material	aluminium
Dimensions	Ø 55 mm x 181 mm
Weight	330 g
Connection	XLR, bal.



DM-7

Order No. 0237210

Dynamic microphone, for stage and vocals.

- Supercardioid polar pattern
- Metal body
- Supplied with microphone holder, 9 mm (3/8") adapter screw and microphone bag

Model	DM-7
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-18,000 Hz
Nominal impedance	250 Ω
Sensitivity	1.8 mV/Pa
Max. sound pressure	130 dB
Housing material	metal
Dimensions	Ø 51 mm x 182 mm
Weight	315 g
Connection	XLR, bal.



CM-7

Order No. 0237200

Condenser microphone, for studio and live applications.

- 17 mm gold-plated small diaphragm
- Cardioid polar pattern
- Metal body
- Supplied with microphone holder, 9 mm (3/8") adapter screw and microphone bag

Model	CM-7
Polar pattern	cardioid
System	condenser
Audio frequency range	50-18,000 Hz
Nominal impedance	100 Ω
Sensitivity	14 mV/Pa
Max. sound pressure	137 dB
Power supply	– 48 V, phantom power
Housing material	metal
Dimensions	Ø 51 mm x 182 mm
Weight	280 g
Connection	XLR, bal.



DM-3

Order No. 0237220

Dynamic microphone, for stage, speech and vocals.

- Supercardioid polar pattern
- Neodymium version
- Diecast zinc body
- Supplied with microphone holder, 9 mm (3/8") adapter screw and microphone bag

Model	DM-3
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-15,000 Hz
Nominal impedance	600 Ω
Sensitivity	2.2 mV/Pa
Housing material	diecast zinc
Dimensions	Ø 53 mm x 177 mm
Weight	255 g
Connection	XLR, bal.



DM-3S

Order No. 0237230

Dynamic microphone, for stage, speech and vocals.

- Supercardioid polar pattern
- Neodymium version
- Low-noise on/off switch
- Diecast zinc body
- Supplied with microphone holder, 9 mm (3/8") adapter screw and microphone bag

Model	DM-3S
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-15,000 Hz
Nominal impedance	600 Ω
Sensitivity	2.2 mV/Pa
Housing material	diecast zinc
Dimensions	Ø 53 mm x 177 mm
Weight	255 g
Connection	XLR, bal.



Microphones

Vocal Microphones

DM-101

Order No. 0236550

Dynamic microphone, vintage style.

- Supercardioid polar pattern
- Dual microphone cartridges for an authentic sound
- Innovative cartridge suspension with excellent attenuation characteristics
- Robust zinc body of high quality
- Low-noise on/off switch

Model	DM-101
Polar pattern	supercardioid
System	dynamic
Audio frequency range	50-12,000 Hz
Nominal impedance	1.2 kΩ
Sensitivity	5 mV/Pa
Max. sound pressure	119 dB
Housing material	zinc alloy
Dimensions	204 x 68 x 74 mm
Weight	740 g
Connection	XLR, bal.



DM-065

Order No. 0235740

Nostalgic dynamic microphone, retro look of the 50s/60s.

- For stage, speech and vocals
- Cardioid polar pattern
- Low-noise on/off switch
- Chromium-plated version
- Supplied with foam-padded plastic case

Model	DM-065
Polar pattern	cardioid
System	dynamic
Audio frequency range	50-16,000 Hz
Nominal impedance	250 Ω
Sensitivity	1.3 mV/Pa
Max. sound pressure	135 dB
Housing material	metal, silver
Dimensions	54 x 175 x 68 mm
Weight	547 g
Connection	XLR, bal.



DM-5000LN

Order No. 0230400

Dynamic microphone, for stage and vocals.

- Supercardioid polar pattern
- Highly sensitive neodymium magnet version
- Supplied with microphone holder, cable and case

Model	DM-5000LN
Polar pattern	supercardioid
System	dynamic
Audio frequency range	40-18,000 Hz
Nominal impedance	250 Ω
Sensitivity	2.5 mV/Pa
Max. sound pressure	130 dB
Housing material	diecast zinc
Dimensions	∅ 53.5 mm x 174 mm
Weight	690 g
Cable	6 m, low-noise, XLR
Connection	XLR, bal.



DM-1100

Order No. 0233290

Dynamic microphone, for speech and vocals.

- Cardioid polar pattern
- Supplied with cable
- Supplied w/o microphone holder. Matching microphone holder (e.g. MH-202) is available at option

Model	DM-1100
Polar pattern	cardioid
System	dynamic
Audio frequency range	50-16,000 Hz
Nominal impedance	500 Ω
Sensitivity	2.5 mV/Pa
Max. sound pressure	145 dB
Housing material	metal
Dimensions	Ø 54 mm x 175 mm
Weight	250 g
Cable	5 m, low-noise, 6.3 mm plug
Connection	XLR, bal.



DM-1500

Order No. 0236750

Dynamic microphone, for general applications.

- Cardioid polar pattern
- High-gloss aluminium version, black chromium-plated
- On/off switch

Model	DM-1500
Polar pattern	cardioid
System	dynamic
Audio frequency range	80-12,000 Hz
Nominal impedance	600 Ω
Sensitivity	1.8 mV/Pa
Max. sound pressure	140 dB
Housing material	aluminium
Dimensions	Ø 45 mm x 165 mm
Weight	274 g
Cable	3 m, low-noise, 6.3 mm plug
Connection	XLR, bal.



DM-3SET

Order No. 0234020

Dynamic vocal microphone set

Set of 3 vocal microphones, ideally suited for recordings and live performances. The frequency response has been especially optimised for vocal applications which makes the DM-3SET a reliable tool for any vocalist.

- Wide transmission range
- Very low acoustic feedback
- Integrated windshield/pop noise head
- Suitable for on-the-road applications due to diecast body and steel basket
- Supplied accessories: robust hard-sided case, 3 x stand clamp 16 mm (5/8")

Model	DM-3SET
Polar pattern	cardioid
System	dynamic
Audio frequency range	50-15,000 Hz
Nominal impedance	500 Ω
Sensitivity	2 mV/Pa
Max. sound pressure	120 dB
Housing material	diecast zinc
Dimensions	Ø 53 mm x 180 mm
Weight	285 g
Connection	XLR, bal.



Microphones

Instrument Microphones

DRUMSET-1

Order No. 0231390

7-piece drum microphone set, consisting of a dynamic bass drum microphone, four dynamic snare drum/tom-tom microphones and two overhead condenser microphones.

- Optimised for sound pickup of drums
- Short-bodied microphones
- Including microphone holder with 16 mm ($\frac{5}{8}$ ") tripod socket and 9 mm ($\frac{3}{8}$ ") adapter screw for every microphone
- Additional clamps for the snare drum/tom-tom microphones
- Supplied in a practical plastic case

Model	DRUMSET-1
Polar pattern	bi-directional (bass drum) supercardioid (snare drum/tom-tom) cardioid (overhead)
System	dynamic (bass drum) dynamic (snare drum/tom-tom) electret (overhead)
Audio frequency range	50-10,000 Hz (bass drum) 50-15,000 Hz (snare drum/tom-tom) 50-15,000 Hz (overhead)
Nominal impedance	200 Ω
Sensitivity	1.6 mV/Pa (bass drum) 2.5 mV/Pa (snare drum/tom-tom) 5.6 mV/Pa (overhead)
S/N ratio	66 dB
Max. sound pressure	158 dB (bass drum) 157 dB (snare drum/tom-tom) 161 dB (overhead)
Power supply	= 48 V, phantom power (overhead)
Dimensions	\varnothing 50 mm x 113 mm (bass drum) \varnothing 40 mm x 93 mm (snare drum/tom-tom) \varnothing 22 mm x 90 mm (overhead) 430 x 135 x 320 mm (set)
Weight	1.5 kg
Connection	XLR, bal.



ECM-250

Order No. 0233480

Electret microphone set, consisting of two overhead electret microphones.

- Optimised for sound pickup of drum combinations and percussion instruments
- Short-bodied microphones
- Low cut switch, selectable 10 dB attenuation
- 48 V phantom power
- Including microphone holder with 16 mm ($\frac{5}{8}$ ") tripod socket and 9 mm ($\frac{3}{8}$ ") adapter screw
- Supplied in a practical plastic case

Model	ECM-250
Polar pattern	cardioid
System	electret
Audio frequency range	50-16,000 Hz
Nominal impedance	200 Ω
Sensitivity	18/5.6 mV/Pa
S/N ratio	66 dB
Max. sound pressure	130 dB
Power supply	= 48 V, phantom power
Dimensions	\varnothing 19 mm x 80 mm
Weight	25 g
Connection	XLR, quasi-balanced



ECM-270

Order No. 0235140

Professional condenser microphone, for studio applications and live performances. Ideally suited for direct or overhead sound pickup of acoustic instruments and vocals.

- Back electret cartridge with cardioid polar pattern
- Low cut switch
- Selectable 10 dB attenuation
- Electronically balanced output
- Robust brass body of high quality
- Supplied accessories: robust hard-sided case, microphone windshield, microphone support (spider) for 16 mm ($\frac{5}{8}$ ") stand

Model	ECM-270
Polar pattern	cardioid
System	back electret
Audio frequency range	50-18,000 Hz
Nominal impedance	200 Ω
Sensitivity	5.6 mV/Pa
S/N ratio	> 60 dB
Max. sound pressure	135 dB
Power supply	= 48 V, phantom power
Housing material	brass
Dimensions	\varnothing 20 mm x 150 mm
Weight	140 g
Connection	XLR, bal.



ECM-285

Order No. 0232760

Electret microphone for sound pickup of vocals and instruments

- Special shock-absorbing cartridge support
- Operation via external phantom power (= 9-48 V) or internal 1.5 V battery
- ON/OFF switch
- Supplied with 6 m connection cable XLR/XLR and support with screw fixing 16 mm (5/8")/9 mm (3/8")

Model	ECM-285
Polar pattern	cardioid
System	electret
Audio frequency range	80-15,000 Hz
Nominal impedance	400 Ω
Sensitivity	5 mV/Pa
Max. sound pressure	115 dB
Power supply	1 x 1.5 V batt. AA size or = 9-48 V (phantom power)
Dimensions	Ø 26 mm x 195 mm
Weight	110 g
Cable	6 m
Connection	XLR, bal.



ECM-40

Order No. 0232230

Universal electret microphone, with linear frequency response.

- For measuring systems and audio recordings
- Supplied with frequency graph

Model	ECM-40
Polar pattern	omnidir.
System	electret
Audio frequency range	30-18,000 Hz
Nominal impedance	500 Ω
Sensitivity	5.6 mV/Pa
S/N ratio	> 60 dB
Max. sound pressure	120 dB
Power supply	= 12-48 V, phantom power
Housing material	metal
Dimensions	Ø 13/19 mm x 158 mm
Weight	50 g
Cable	6 m
Connection	XLR, bal.



ECM-310W

Order No. 0233360

Electret microphone for sound pickup of wind instruments

- 8 cm gooseneck
- Phantom power via supplied adapter
- 3 m connection cable with 3-pole mini XLR/XLR
- Supplied in a practical plastic case

Model	ECM-310W
Polar pattern	supercardioid
System	electret
Audio frequency range	30-17,000 Hz
Nominal impedance	200 Ω
Sensitivity	4.5 mV/Pa
Max. sound pressure	120 dB
Power supply	9-48 V via power supply adapter
Dimensions	140 mm
Weight	155 g
Cable	3 m
Connection	3-pole mini XLR, unbal. adapter: XLR, bal.



Microphones Accessories

EMA-200

Order No. 0232790

48 V phantom power supply

- For 2 electret microphones or microphone cartridges
- Power supply: ~ 230 V/50 Hz/10 VA
- 2 x XLR input (bal.)
- 2 x XLR output (bal.)

Model	EMA-200
Input voltage	~ 230 V/50 Hz/10 VA
Output voltage	+48 V
Connections	2 x XLR, bal.
Dimensions	180 x 50 x 145 mm
Weight	1.179 kg



EMA-3

Order No. 0233820

48 V phantom power supply

- For electret microphones and microphone cartridges
- XLR input (bal.)
- XLR output (bal.)

Model	EMA-3
Input voltage	via encl. plug-in power supply
Output voltage	+48 V
Dimensions	126 x 75 x 45 mm
Weight	535 g



EMA-1

Order No. 0232120

Phantom power supply adapter

- For electret microphones and electret microphone cartridges
- Also to be used as a phantom power adapter for mixers with phantom power supply +48 V
- Internal power supply via 1.5 V battery AA size (not supplied)
- 3-pole mini XLR input
- 3-pole XLR output

Model	EMA-1
Input voltage	phantom power via mixer: = 48 V
Connections	3-pole XLR
Dimensions	Ø 22 mm x 170 mm
Weight	75 g



EMA-300P

Order No. 0232410

Phantom power supply adapter

- For connecting ECM-300B, ECM-300L and other microphones with 3-pole mini XLR connector to a mixer with 48 V phantom power
- Mini XLR plug and XLR plug, 3 poles

Model	EMA-300P
Input voltage	via mixer
Connections	3-pole mini XLR
Dimensions	Ø 19 mm x 92 mm
Weight	79 g



WSA-24T

Order No. 0257150

Wireless stereo transmitter, 2.4 GHz, for audio streaming.

- Matching the receiver WSA-24R
- Stereo/mono selector switch
- LED for indicating status and peak
- Interference-free operation due to FHSS technology (Frequency Hopping Spread Spectrum)
- Analogue line level input via 6.3 mm jacks L/R and 3-pole XLR L/R
- Metal housing
- Power is provided via enclosed plug-in power supply

Model	WSA-24T
Frequency range	20-20,000 Hz
THD	< 0.3%
Channel separation	≥ 90 dB
Operating range	> 30 m with clear view
Power supply	via encl. power supply
Dimensions	130 x 54 x 130 mm
Weight	470 g
Connections	Inputs: 1 x 6.3 mm stereo jack L/R, analogue 1 x 3-pole XLR L/R, analogue



WSA-24R

Order No. 0257140

Wireless stereo receiver, 2.4 GHz, for audio streaming.

- Matching the transmitter WSA-24T
- Interference-free operation due to FHSS technology (Frequency Hopping Spread Spectrum)
- Analogue line level output via 6.3 mm jacks L/R
- Plastic housing
- Power is provided via enclosed plug-in power supply

Model	WSA-24R
Frequency range	20-20,000 Hz
THD	< 0.3%
Channel separation	≥ 90 dB
Power supply	via encl. power supply
Dimensions	116 x 35 x 86 mm
Weight	118 g
Connections	Outputs: 1 x 6.3 mm stereo jack L/R, analogue



Are you looking for additional accessories for your stage setup, e.g. headband microphones, cases or just the right cable? You can find all this further back in the catalogue, in the comprehensive catalogue 'Components 2020' from MONACOR or simply at: www.monacor.com



Microphones

Wireless Transmission

TXS-686

Order No. 0257320



8-channel multifrequency receiver unit, with UHF PLL technology.

- 1,000 selectable UHF frequencies (672.000-696.975 MHz) for each channel (10 groups with 100 channels each)
- ACT function for transmitting selected frequency to pocket transmitter TXS-606LT, TXS-606HSE, hand-held microphone TXS-606HT or desktop microphone TXS-606DT via infrared signal
- Auto-scan
- True diversity system with removable antennas (BNC connection)
- Volume and squelch controls for each channel

Model	TXS-686
Carrier frequency range	672.000-696.975 MHz
Audio frequency range	30-18,000 Hz
THD	< 0.5%
Dynamic range	100 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	350 mV/600 Ω (jack) 25 mV/600 Ω (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	482 x 90 x 310 mm
Weight receiver	4.4 kg
Connections receiver	8 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-646

Order No. 0253530



4-channel multifrequency receiver unit, with UHF PLL technology.

- 1,000 selectable UHF frequencies (672.000-696.975 MHz) for each channel (10 groups with 100 channels each)
- ACT function for transmitting selected frequency to pocket transmitter TXS-606LT, TXS-606HSE or hand-held microphone TXS-606HT via infrared signal
- Auto-scan
- True diversity system with removable antennas (BNC connection)
- Volume and squelch controls for each channel

Model	TXS-646
Carrier frequency range	672.000-696.975 MHz
Audio frequency range	30-18,000 Hz
THD	< 0.5%
Dynamic range	100 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	350 mV/600 Ω (jack) 25 mV/600 Ω (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	482 x 45 x 310 mm
Weight receiver	2.9 kg
Connections receiver	4 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-626

Order No. 0253520



2-channel multifrequency receiver unit, with UHF PLL technology.

- 1,000 selectable UHF frequencies (672.000-696.975 MHz) for each channel (10 groups with 100 frequencies each)
- ACT function for transmitting selected frequency to pocket transmitter TXS-606LT or hand-held microphone TXS-606HT via infrared signal
- Auto-scan
- True diversity system with removable antennas (BNC connection)
- Volume and squelch controls for each channel

Model	TXS-626
Carrier frequency range	672.000-696.975 MHz
Audio frequency range	30-18,000 Hz
THD	< 0.5%
Dynamic range	100 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	350 mV/600 Ω (jack) 25 mV/600 Ω (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	482 x 45 x 195 mm
Weight receiver	1.8 kg
Connections receiver	2 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-606

Order No. 0253510

Multifrequency receiver unit, with UHF PLL technology.

- 1,000 selectable UHF frequencies (672.000-696.975 MHz) in 10 groups with 100 frequencies each
- ACT function for transmitting selected frequency to pocket transmitter TXS-606LT or hand-held microphone TXS-606HT via infrared signal
- Auto-scan
- True diversity system with removable antennas (BNC connection)
- Volume and squelch controls

Model	TXS-606
Carrier frequency range	672.000-696.975 MHz
Audio frequency range	30-18,000 Hz
THD	< 0.5%
Dynamic range	100 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	350 mV/600 Ω (jack) 25 mV/600 Ω (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	212 x 45 x 180 mm
Weight receiver	930 g
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-606DT

Order No. 0257310

Wireless desktop microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Electret microphone cartridge, cardioid polar pattern
- 350 mm gooseneck, removable
- 1,000 selectable UHF frequencies (672.000-696.975 MHz), can be synchronised with receivers TXS-606, TXS-626, TXS-646 or TXS-686 via ACT function
- Adjustable sensitivity
- Switchable transmitting power (high: 25 mW/ low: 2.5 mW)

Model	TXS-606DT
Polar pattern	cardioid
System	electret
Carrier frequency range	672.000-696.975 MHz
Transmitting power	25 mW/2.5 mW
Power supply	2 x 1.5 V batt. AA size
Operating time	> 8 h
Audio frequency range	30-18,000 Hz
Dimensions	120 x 65 x 178 mm (w/o gooseneck)
Weight	1.2 kg

- LCD for indicating group/channel, audio level and battery status



TXS-606HSE

Order No. 0254690

Multifrequency pocket transmitter, with UHF PLL technology.

- 1,000 selectable UHF frequencies (672.000-696.975 MHz), can be synchronised with receivers TXS-606, TXS-626, TXS-646 or TXS-686 via ACT function
- Continuously adjustable sensitivity
- LCD for indicating group/channel, audio level and battery status
- Suitable for combination with headband/earband microphones and tie clip microphones with 3-pole mini XLR connector

Model	TXS-606HSE
Carrier frequency range	672.000-696.975 MHz
Audio frequency range	30-18,000 Hz
Operating time	> 8 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	61 x 106 x 27 mm
Weight transmitter	80 g
Connections transmitter	1 x 3-pole mini XLR



TXS-606HT

Order No. 0253540

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Dynamic microphone cartridge, cardioid polar pattern
- 1,000 selectable UHF frequencies (672.000-696.975 MHz), can be synchronised with receivers TXS-606, TXS-626, TXS-646 or TXS-686 via ACT function
- Adjustable sensitivity
- Switchable transmitting power (high: 25 mW/ low: 2.5 mW)
- LCD for indicating group/channel, audio level and battery status

Model	TXS-606HT
Polar pattern	cardioid
System	dynamic
Carrier frequency range	672.000-696.975 MHz
Transmitting power	25 mW/2.5 mW
Power supply	2 x 1.5 V batt. AA size
Operating time	> 8 h
Audio frequency range	30-18,000 Hz
Dimensions	Ø 51 mm x 265 mm
Weight	312 g



TXS-606LT

Order No. 0253550

Multifrequency tie clip microphone transmitter, with UHF PLL technology.

- 1,000 selectable UHF frequencies (672.000-696.975 MHz), can be synchronised with receivers TXS-606, TXS-626, TXS-646 or TXS-686 via ACT function
- Continuously adjustable sensitivity
- LCD for indicating group/channel, audio level and battery status
- Tie clip microphone with latchable 3.5 mm plug

Model	TXS-606LT
Carrier frequency range	672.000-696.975 MHz
Audio frequency range	30-18,000 Hz
Operating time	> 8 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	61 x 106 x 27 mm
Weight transmitter	96 g
Connections transmitter	1 x 3.5 mm jack



There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!

Microphones

Wireless Transmission

TXS-920

Order No. 0255240



2-channel multifrequency receiver unit, with UHF PLL technology.

- 2 licence-free frequency ranges
- 442 selectable channels
- Intermodulation-free presets, 4 groups with 8 channels each
- 12 intermodulation-free channels max. can be used in parallel (auto-scan)
- SYNC function for transmitting selected frequency to the transmitter
- True diversity system

Model	TXS-920
Carrier frequency range	823-832 MHz + 863-865 MHz
Audio frequency range	80-18,000 Hz
THD	< 1%
Dynamic range	> 100 dB
RF S/N ratio	> 100 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	line: 75 mV, mic: 7 mV (jack, unbal.) line: 150 mV, mic: 15 mV (XLR, bal.) 75 mV (mix)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	420 x 42 x 183 mm
Weight receiver	2 kg
Connections receiver	2 x XLR, bal., 2 x 6.3 mm jack, unbal. 1 x 6.3 mm jack, unbal. (mix)



TXS-900

Order No. 0255230

Multifrequency receiver unit, with UHF PLL technology.

- 2 licence-free frequency ranges
- 442 selectable channels
- Intermodulation-free presets, 4 groups with 8 channels each
- 12 intermodulation-free channels max. can be used in parallel (auto-scan)
- SYNC function for transmitting selected frequency to the transmitter
- True diversity system

Model	TXS-900
Carrier frequency range	823-832 MHz + 863-865 MHz
Audio frequency range	80-18,000 Hz
THD	< 1%
Dynamic range	> 100 dB
RF S/N ratio	> 100 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	line: 75 mV, mic: 7 mV (jack, unbal.) line: 150 mV, mic: 15 mV (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	200 x 42 x 183 mm
Weight receiver	1.1 kg
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-900HT

Order No. 0255260

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Condenser microphone cartridge, cardioid polar pattern
- 2 frequency ranges
- SYNC function for synchronisation with receivers TXS-900 and TXS-920
- Mute function
- LCD for indicating channel and battery status
- Power supply via 2 x 1.5 V battery AA size (not supplied)

Model	TXS-900HT
Polar pattern	cardioid
System	condenser
Carrier frequency range	823-832 MHz + 863-865 MHz
Transmitting power	10 mW
Power supply	2 x 1.5 batt. AA size
Operating time	> 15 h
Audio frequency range	80-18,000 Hz
Dimensions	Ø 53 mm x 260 mm
Weight	220 g



TXS-900HSE

Order No. 0255250

Multifrequency pocket transmitter, with UHF PLL technology.

- 2 frequency ranges
- SYNC function for synchronisation with receivers TXS-900 and TXS-920
- Mute function
- Sensitivity can be adjusted in 3 steps
- LCD for indicating channel and battery status
- Suitable for combination with headband/earband microphones and tie clip microphones with 3-pole mini XLR connector

Model	TXS-900HSE
Carrier frequency range	823-832 MHz + 863-865 MHz
Audio frequency range	80-18,000 Hz
Operating time	> 15 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	65 x 110 x 25 mm
Weight transmitter	76 g
Connections transmitter	1 x 3-pole mini XLR

- Belt clip
- Power supply via 2 x 1.5 V battery AA size (not supplied)



TXS-1820

Order No. 0257700

2-channel multifrequency receiver unit, 1.8 GHz, with UHF PLL technology.

- 192 selectable UHF frequencies (1,785-1,800 MHz) in 16 groups with 12 channels each
- ADL function for transmitting selected parameters to the transmitter
- True diversity system with removable antennas (BNC connection)
- Auto-scan
- Pilot tone squelch, noise mute
- Autolock mode

Model	TXS-1820
Carrier frequency range	1,785-1,800 MHz
Audio frequency range	60-16,000 Hz
THD	< 0.8%
Dynamic range	> 95 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	50 mV/1 k Ω (jack) 50 mV/150 Ω (XLR, bal.)
Power supply receiver	via encl. power supply
Dimensions receiver	410 x 47 x 175 mm
Weight receiver	2,100 g
Connections receiver	2 x XLR, 1 x XLR (mix), 1 x 6.3 jack (mix)



TXS-1800

Order No. 0255130

Multifrequency receiver unit, 1.8 GHz, with UHF PLL technology.

- 192 selectable UHF frequencies (1,785-1,800 MHz) in 16 groups with 12 channels each
- ADL function for transmitting selected parameters to the transmitter
- True diversity system with removable antennas (BNC connection)
- Auto-scan
- Pilot tone squelch, noise mute
- Autolock mode

Model	TXS-1800
Carrier frequency range	1,785-1,800 MHz
Audio frequency range	60-16,000 Hz
THD	< 0.8%
Dynamic range	> 95 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	50 mV/1 k Ω (jack) 50 mV/150 Ω (XLR, bal.)
Power supply receiver	via encl. power supply
Dimensions receiver	212 x 47 x 175 mm
Weight receiver	1,300 g
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack unbal.



TXS-1800HT

Order No. 0255150

Hand-held microphone with integrated multifrequency transmitter, 1.8 GHz, with UHF PLL technology.

- Dynamic microphone cartridge, cardioid polar pattern
- Diecast aluminium body
- 192 selectable UHF frequencies (1,785-1,800 MHz) in 16 groups with 12 channels each, can be synchronised with receiver TXS-1800 via ADL function
- Adjustable sensitivity (0 dB, -3 dB, -6 dB)
- LCD for indicating frequency, gain setting and battery status

Model	TXS-1800HT
Polar pattern	cardioid
System	dynamic
Carrier frequency range	1,785-1,800 MHz
Transmitting power	10 mW
Power supply	2 x 1.5 V batt. AA size
Operating time	> 8 h
Audio frequency range	60-16,000 Hz
Dimensions	\varnothing 53 mm x 245 mm
Weight	350 g

- Transmitting power: 10 mW (EIRP)
- Mute function
- Power supply via 2 x 1.5 V battery AA size (not supplied)



TXS-1800HSE

Order No. 0255140

Multifrequency pocket transmitter, 1.8 GHz, with UHF PLL technology.

- Suitable for combination with headband microphone or earband microphone with 3-pole mini XLR connector
- 192 selectable UHF frequencies (1,785-1,800 MHz) in 16 groups with 12 channels each, can be synchronised with receiver TXS-1800 via ADL function
- Adjustable sensitivity (0 dB, -3 dB, -6 dB)
- LCD for indicating frequency, gain setting and battery status
- Transmitting power: 10 mW (EIRP)

Model	TXS-1800HSE
Carrier frequency range	1,785-1,800 MHz
Audio frequency range	60-16,000 Hz
Operating time	> 8 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	64 x 102 x 28 mm
Weight transmitter	118 g
Connections transmitter	1 x 3-pole mini XLR

- Mute function
- Belt clip
- Power supply via 2 x 1.5 V battery AA size (not supplied)



There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!

Microphones

Wireless Transmission

TXS-727

Order No. 0257530



2-channel multifrequency receiver unit, with UHF PLL technology.

- 100 selectable UHF frequencies (667.000-691.750 MHz) for each channel
- SYNC function
- Volume and squelch controls adjustable for each channel
- Pilot tone squelch

Model	TXS-727
Carrier frequency range	667.000-691.750 MHz
Audio frequency range	80-18,000 Hz
THD	< 0.5%
Dynamic range	100 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	100 mV/600 Ω (jack) 20-30 mV/600 Ω (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	482 x 50 x 255 mm
Weight receiver	1.65 kg
Connections receiver	2 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-707

Order No. 0257540



Multifrequency receiver unit, with UHF PLL technology.

- 100 selectable UHF frequencies (667.000-691.750 MHz)
- SYNC function
- True diversity system with removable antennas
- Volume and squelch controls
- Pilot tone squelch

Model	TXS-707
Carrier frequency range	667.000-691.750 MHz
Audio frequency range	80-18,000 Hz
THD	< 0.5%
Dynamic range	100 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	100 mV/600 Ω (jack) 20-30 mV/600 Ω (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	210 x 50 x 215 mm
Weight receiver	970 g
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-707HT

Order No. 0257560

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Dynamic microphone cartridge, cardioid polar pattern
- 100 selectable UHF frequencies (667.000-691.750 MHz)
- Switchable transmitting power (high: 30 mW/ low: 2.5 mW)
- Mute function
- Operating range: 120 m (free field)

Model	TXS-707HT
Polar pattern	cardioid
System	dynamic
Carrier frequency range	667.000-691.750 MHz
Transmitting power	2.5 mW/30 mW
Power supply	2 x 1.5 V batt. AA size
Operating time	> 15 h
Audio frequency range	30-18,000 Hz
Dimensions	Ø 55 mm x 257 mm
Weight	285 g



TXS-707HSE

Order No. 0257550

Multifrequency pocket transmitter, with UHF PLL technology.

- 100 selectable UHF frequencies (667.000-691.750 MHz)
- Continuously adjustable sensitivity
- Gain control
- Mute function
- LCD for indicating channel and battery status
- Operating range: 90 m (free field)

Model	TXS-707HSE
Carrier frequency range	667.000-691.750 MHz
Audio frequency range	30-18,000 Hz
Operating time	> 15 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	62 x 105 x 26 mm
Weight transmitter	77 g
Connections transmitter	1 x 3-pole mini XLR



TXS-707LT

Order No. 0257570

Multifrequency tie clip microphone transmitter, with UHF PLL technology.

- 100 selectable UHF frequencies (667.000-691.750 MHz)
- Continuously adjustable sensitivity
- Gain control
- Mute function
- LCD for indicating channel and battery status
- Operating range: 90 m (free field)

Model	TXS-707LT
Carrier frequency range	667.000-691.750 MHz
Audio frequency range	30-18,000 Hz
Operating time	> 15 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	62 x 105 x 26 mm
Weight transmitter	77 g
Connections transmitter	1 x 3.5 mm jack



TXS-865

Order No. 0255290



2-channel diversity UHF PLL receiver, with REMOSET technology.

- 124 selectable channels in 6 channel groups (506-542 MHz)
- Parallel operation of up to 20 channels
- Diversity system with removable antennas (BNC connection)
- Integrated scan function
- Pilot tone squelch and noise squelch
- Attenuator with 2-way switching

Model	TXS-865
Carrier frequency range	506-542 MHz
Audio frequency range	40-18,000 Hz
THD	< 0.6%
Dynamic range	> 105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	100 mV XLR, 100 mV jack
Power supply receiver	via encl. power supply
Dimensions receiver	420 x 54 x 230 mm
Weight receiver	2 kg
Connections receiver	2 x XLR, bal., 1 x 6.3 mm jack, bal.



TXS-855

Order No. 0255280

Single-channel diversity UHF PLL receiver, with REMOSET technology.

- 124 selectable channels in 6 channel groups
- Parallel operation of up to 20 channels
- Diversity system with removable antennas
- Integrated scan function
- Pilot tone squelch and noise squelch

Model	TXS-855
Carrier frequency range	506-542 MHz
Audio frequency range	40-18,000 Hz
THD	< 0.6%
Dynamic range	> 105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	100 mV XLR, 100 mV jack
Power supply receiver	via encl. power supply
Dimensions receiver	210 x 42 x 195 mm
Weight receiver	525 g
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack, bal.



TXS-865HT

Order No. 0255310

Dynamic hand-held UHF PLL transmitter, with REMOSET technology.

- Dynamic microphone cartridge, cardioid polar pattern
- 124 selectable channels in 6 channel groups (506-542 MHz)
- Adjustable sensitivity (12 dB to -18 dB)
- Backlit LCD for indicating channel and battery status
- Switchable transmitting power: 10 mW/50 mW (EIRP)
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied with robust transport case and stand clamp

Model	TXS-865HT
Polar pattern	cardioid
System	dynamic
Carrier frequency range	506-542 MHz
Transmitting power	10 mW/50 mW, switchable
Power supply	2 x batt. AA size, alkaline
Operating time	> 25 h
Audio frequency range	50-16,000 Hz
Dimensions	Ø 50 mm x 250 mm
Weight	350 g



TXS-865HSE

Order No. 0255300

UHF PLL pocket transmitter, with REMOSET technology.

- Suitable for combination with headband microphone or earband microphone with 3-pole mini XLR connector
- 124 selectable channels in 6 channel groups
- Adjustable sensitivity (12 dB to -18 dB)
- Selectable attenuation (0 dB/-6 dB/-20 dB)
- Lock function
- Backlit LCD for indicating channel and battery status

Model	TXS-865HSE
Carrier frequency range	506-542 MHz
Audio frequency range	40-18,000 Hz
Operating time	> 25 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x batt. AA size, alkaline
Dimensions transmitter	68 x 172 x 21 mm
Weight transmitter	77 g
Connections transmitter	1 x 3-pole mini XLR



There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!

Microphones

Wireless Transmission

TXS-871

Order No. 0253600

Multifrequency receiver unit, with UHF PLL technology.

- 15 selectable UHF frequencies (863-865 MHz)
- True diversity system with removable antennas (BNC connection)
- Auto-scan
- Pilot tone squelch, noise mute
- Selectable lock mode
- LCD for indicating frequency, antenna A/B, RF receiving level, AF audio level, battery status of the transmitter
- XLR output and 6.3 mm output
- Supplied with power supply
- Supplies operating voltage to TXS-875B

Model	TXS-871
Carrier frequency range	863-865 MHz
Audio frequency range	40-18,000 Hz
THD	< 0.6%
Dynamic range	> 105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	900 mW/1 kΩ (jack)
	150 mW/150 Ω (XLR, bal.)
Power supply receiver	via encl. power supply
Dimensions receiver	211 x 40 x 130 mm
Weight receiver	1.1 kg
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack, unbal.



Licence-free in the EU.

TXS-871HT

Order No. 0253610

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Dynamic microphone cartridge, hypercardioid polar pattern
- Diecast aluminium body
- 15 selectable UHF frequencies (863-865 MHz)
- Adjustable sensitivity (0 dB, -10 dB, -20 dB, -30 dB)
- LCD for indicating frequency and battery status
- Transmitting power: < 10 mW (EIRP)
- Selectable lock mode
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied with plastic case, microphone holder and 7 coloured caps to be pushed on

Model	TXS-871HT
Polar pattern	hypercardioid
System	dynamic
Carrier frequency range	863-865 MHz
Transmitting power	< 10 mW
Power supply	2 x 1.5 V batt. AA size
Operating time	> 30 h
Audio frequency range	50-16,000 Hz
Dimensions	Ø 50 mm x 260 mm
Weight	350 g

Replacement cartridge available:
MD-872: condenser cartridge with an even more brilliant sound, supercardioid polar pattern



Licence-free in the EU.

TXS-871HSE

Order No. 0253620

Multifrequency pocket transmitter, with UHF PLL technology.

- Suitable for combination with headband microphone or earband microphone with 3-pole mini XLR connector
- 15 selectable UHF frequencies (863-865 MHz)
- Adjustable sensitivity
- LCD for indicating frequency and battery status
- Transmitting power: < 10 mW (EIRP)
- Selectable lock mode
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied in a plastic case

Model	TXS-871HSE
Carrier frequency range	863-865 MHz
Audio frequency range	40-18,000 Hz
Operating time	> 30 h
Admiss. ambient temp.	0-40 °C
Transmitting power	< 10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	78 x 190 x 34 mm
Weight transmitter	160 g
Connections transmitter	1 x 3-pole mini XLR



Licence-free in the EU.

TXS-875

Order No. 0255320

Multifrequency receiver unit, with UHF PLL technology.

- 193 selectable UHF frequencies (518-542 MHz)
- True diversity system with removable antennas (BNC connection)
- Auto-scan
- Pilot tone squelch, noise mute
- Selectable lock mode
- LCD for indicating frequency, antenna A/B, RF receiving level, AF audio level, battery status of the transmitter
- XLR output and 6.3 mm output
- Supplied with power supply
- Supplies operating voltage to TXS-875B

Model	TXS-875
Carrier frequency range	518-542 MHz
Audio frequency range	40-18,000 Hz
THD	< 0.6%
Dynamic range	> 105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	900 mW/1 kΩ (jack)
	150 mW/150 Ω (XLR, bal.)
Power supply receiver	via encl. power supply
Dimensions receiver	211 x 40 x 130 mm
Weight receiver	1.1 kg
Connections receiver	1 x XLR, bal., 1 x 6.3 mm jack, unbal.



TXS-875HT

Order No. 0255340

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Dynamic microphone cartridge, hypercardioid polar pattern
- Diecast aluminium body
- 193 selectable UHF frequencies (518-542 MHz)
- Adjustable sensitivity (0 dB, -10 dB, -20 dB, -30 dB)
- LCD for indicating frequency and battery status
- Transmitting power: 10 mW (EIRP)
- Selectable lock mode
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied with plastic case, microphone holder and 7 coloured caps to be pushed on

Model	TXS-875HT
Polar pattern	hypercardioid
System	dynamic
Carrier frequency range	518-542 MHz
Transmitting power	10 mW
Power supply	2 x 1.5 batt. AA size
Operating time	> 30 h
Audio frequency range	50-16,000 Hz
Dimensions	Ø 50 mm x 260 mm
Weight	350 g

Replacement cartridge available:
MD-872: condenser cartridge with an even more brilliant sound, supercardioid polar pattern



TXS-875HSE

Order No. 0255330

Multifrequency pocket transmitter, with UHF PLL technology.

- Suitable for combination with headband microphone or earband microphone with 3-pole mini XLR connector
- 193 selectable UHF frequencies (518-542 MHz)
- Adjustable sensitivity
- LCD for indicating frequency and battery status
- Transmitting power: 10 mW (EIRP)
- Selectable lock mode
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied in a plastic case

Model	TXS-875HSE
Carrier frequency range	518-542 MHz
Audio frequency range	40-18,000 Hz
Operating time	> 30 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	78 x 190 x 34 mm
Weight transmitter	160 g
Connections transmitter	1 x 3-pole mini XLR



There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!

Microphones

Wireless Transmission

TXS-891

Order No. 0255380



2-channel multifrequency receiver unit, with UHF PLL technology.

- Switching diversity system with removable antennas (BNC connection)
- 2 channels can be used simultaneously
- 16 selectable UHF frequencies for each channel (863-865 MHz)
- Pilot tone squelch and noise squelch
- Volume and squelch controls for each channel
- Selectable lock mode
- LCD for indicating channel, antenna A/B, RF receiving level and AF audio level
- XLR output for each channel, bal.
- 6.3 mm output for mixed signal
- Supplies operating voltage to TXS-875B
- Supplied with power supply
- 482 mm (19") rack installation possible with supplied mounting brackets

Model	TXS-891
Carrier frequency range	863-865 MHz
Audio frequency range	40-18,000 Hz
THD	< 0.6%
Dynamic range	> 105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	500 mW/1 kΩ (jack) 150 mV/150 Ω (XLR, bal.)
Power supply receiver	via encl. power supply
Dimensions receiver	420 x 55 x 230 mm
Weight receiver	2.1 kg
Connections receiver	2 x XLR, bal., 1 x 6.3 mm jack, unbal.

Licence-free in the EU.



TXS-891HT

Order No. 0255400

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Dynamic microphone cartridge, hypercardioid polar pattern
- Diecast aluminium body
- 16 selectable UHF channels (863-865 MHz)
- LCD for indicating channel and battery status
- Transmitting power: 10 mW (EIRP)
- Selectable sensitivity (0 dB, -10 dB, -20 dB, -30 dB)
- Selectable lock mode
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied with plastic case, microphone holder and 7 coloured caps to be pushed on

Model	TXS-891HT
Polar pattern	hypercardioid
System	dynamic
Carrier frequency range	863-865 MHz
Transmitting power	< 10 mW
Power supply	2 x 1.5 batt. AA size
Operating time	> 30 h
Audio frequency range	50-16,000 Hz
Dimensions	Ø 50 mm x 260 mm
Weight	350 g

Licence-free in the EU!

Replacement cartridge available:
MD-872: condenser cartridge with an even more brilliant sound, supercardioid polar pattern



TXS-891HSE

Order No. 0255390

Multifrequency pocket transmitter, with UHF PLL technology.

- Suitable for combination with headband microphone or earband microphone with 3-pole mini XLR connector
- 16 UHF channels (863-865 MHz), to be selected via rotary switch
- Transmitting power: 10 mW (EIRP)
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied with imitation leather bag

Model	TXS-891HSE
Carrier frequency range	863-865 MHz
Audio frequency range	40-18,000 Hz
Operating time	> 30 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	68 x 195 x 25 mm
Weight transmitter	130 g
Connections transmitter	1 x 3-pole mini XLR

Licence-free in the EU.



TXS-895

Order No. 0255350



2-channel multifrequency receiver unit, with UHF PLL technology.

- Switching diversity system with removable antennas (BNC connection)
- 2 channels can be used simultaneously
- 16 selectable UHF frequencies for each channel (518-542 MHz)
- Pilot tone squelch and noise squelch
- Volume and squelch controls for each channel
- Selectable lock mode
- LCD for indicating channel, antenna A/B, RF receiving level and AF audio level

Model	TXS-895
Carrier frequency range	518-542 MHz
Audio frequency range	40-18,000 Hz
THD	< 0.6%
Dynamic range	> 105 dB
Admiss. ambient temp.	0-40 °C
Audio signal receiver	500 mV/1 kΩ (jack) 150 mV/150 Ω (XLR, bal.)
Power supply receiver	via encl. power supply
Dimensions receiver	420 x 55 x 230 mm
Weight receiver	2.1 kg
Connections receiver	2 x XLR, bal., 1 x 6.3 mm jack, unbal.

- XLR output for each channel, bal.
- 6.3 mm output for mixed signal
- Supplies operating voltage to TXS-875B
- Supplied with power supply



TXS-895HT

Order No. 0255370

Hand-held microphone with integrated multifrequency transmitter, with UHF PLL technology.

- Dynamic microphone cartridge, hypercardioid polar pattern
- Diecast aluminium body
- 16 selectable UHF channels (518-542 MHz)
- LCD for indicating channel and battery status
- Transmitting power: 10 mW (EIRP)
- Selectable sensitivity (0 dB, -10 dB, -20 dB, -30 dB)
- Selectable lock mode
- Supplied with plastic case, microphone holder and 7 coloured caps to be pushed on

Model	TXS-895HT
Polar pattern	hypercardioid
System	dynamic
Carrier frequency range	518-542 MHz
Transmitting power	10 mW
Power supply	2 x 1.5 batt. AA size
Operating time	> 30 h
Audio frequency range	50-16,000 Hz
Dimensions	∅ 50 mm x 260 mm
Weight	350 g

Replacement cartridge available:
MD-872: condenser cartridge with an even more brilliant sound, supercardioid polar pattern



TXS-895HSE

Order No. 0255360

Multifrequency pocket transmitter, with UHF PLL technology.

- Suitable for combination with headband microphone or earband microphone with 3-pole mini XLR connector
- 16 UHF channels (518-542 MHz), adjustable via rotary switch
- Transmitting power: 10 mW (EIRP)
- Power supply via 2 x 1.5 V battery AA size (not supplied)
- Supplied with imitation leather bag

Model	TXS-895HSE
Carrier frequency range	518-542 MHz
Audio frequency range	40-18,000 Hz
Operating time	> 30 h
Admiss. ambient temp.	0-50 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	68 x 195 x 25 mm
Weight transmitter	130 g
Connections transmitter	1 x 3-pole mini XLR



MD-872

Order No. 0233440

Condenser microphone cartridge for TXS-872HT/ TXS-871HT/TXS-875HT

- Supercardioid polar pattern
- Ideally suited for vocals, especially for musicians and stage applications
- With extended frequency range, more precise bass frequencies and more brilliant high frequencies
- Frequency range: 50-18,000 Hz
- Impedance: 2.2 kΩ
- Sensitivity: 7 mV/Pa/1 kHz
- S/N ratio: 77 dB

Model	MD-872
Polar pattern	supercardioid
Frequency range	50-18,000 Hz
Sensitivity	7 mV/Pa
Output impedance	2.2 kΩ
S/N ratio	77 dB
Weight	92 g

Suitable as a replacement cartridge for hand-held microphone transmitters TXS-891HT, TXS-892HT and TXS-895HT.



There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!

Microphones

Wireless Transmission

TXS-611SET

Order No. 0253650

Multifrequency microphone system, with UHF PLL technology.

- 1 hand-held microphone transmitter (cardioid polar pattern), 1 receiver, 1 plug-in power supply
- True diversity system
- 80 selectable UHF channels
- ACT function for transmitting selected frequency to the hand-held microphone via infrared signal

Licence-free system in the EU.

Model	TXS-611SET
Carrier frequency range	863-865 MHz
Audio frequency range	50-18,000 Hz
THD	< 0.5%
Dynamic range	120 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Transmitting power	< 10 mW
Operating range	≈ 30 m
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	Ø 52 mm x 275 mm
Weight transmitter	235 g
Audio signal receiver	350 mV/10 kΩ (jack) 25 mV/10 kΩ (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	152 x 38 x 120 mm
Weight receiver	482 g
Connections receiver	1 x 6.3 mm jack, unbal. 1 x XLR, bal.



TXS-631SET

Order No. 0253660

Multifrequency microphone system, with UHF PLL technology.

- 1 pocket transmitter, 1 tie clip microphone, 1 receiver, 1 plug-in power supply
- True diversity system
- 80 selectable UHF channels
- ACT function for transmitting the selected frequency to the pocket transmitter via infrared signal

Licence-free in the EU.

Model	TXS-631SET
Carrier frequency range	863-865 MHz
Audio frequency range	50-18,000 Hz
THD	< 0.5%
Dynamic range	120 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Transmitting power	< 10 mW
Operating range	≈ 30 m
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	62 x 105 x 25 mm
Weight transmitter	88 g
Audio signal receiver	350 mV/10 kΩ (jack) 25 mV/10 kΩ (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	152 x 38 x 120 mm
Weight receiver	482 g
Connections receiver	1 x 6.3 mm jack, unbal. 1 x XLR, bal.



TXS-616SET

Order No. 0253490

Multifrequency microphone system, with UHF PLL technology.

- 1 hand-held microphone transmitter (cardioid polar pattern), 1 receiver, 1 plug-in power supply
- True diversity system
- 100 selectable UHF channels
- ACT function for transmitting the selected frequency to the hand-held microphone via infrared signal

Model	TXS-616SET
Carrier frequency range	672-697 MHz
Audio frequency range	50-18,000 Hz
THD	< 0.5%
Dynamic range	120 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Transmitting power	< 25 mW/2.5 mW (EIRP)
Operating range	≈ 50 m
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	Ø 52 mm x 275 mm
Weight transmitter	235 g
Audio signal receiver	350 mV/10 kΩ (jack) 25 mV/10 kΩ (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	152 x 38 x 120 mm
Weight receiver	482 g
Connections receiver	1 x 6.3 mm jack, unbal. 1 x XLR, bal.



TXS-636SET

Order No. 0253500

Multifrequency microphone system, with UHF PLL technology.

- 1 pocket transmitter, 1 tie clip microphone, 1 receiver, 1 plug-in power supply
- True diversity system
- 100 selectable UHF channels
- ACT function for transmitting the selected frequency to the hand-held microphone via infrared signal

Model	TXS-636SET
Carrier frequency range	672-697 MHz
Audio frequency range	50-18,000 Hz
THD	< 0.5%
Dynamic range	120 dB
RF S/N ratio	105 dB
Admiss. ambient temp.	0-40 °C
Transmitting power	< 10 mW
Operating range	≈ 30 m
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	62 x 105 x 25 mm
Weight transmitter	88 g
Audio signal receiver	350 mV/10 kΩ (jack) 25 mV/10 kΩ (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	152 x 38 x 120 mm
Weight receiver	482 g
Connections receiver	1 x 6.3 mm jack, unbal. 1 x XLR, bal.



TXS-2402SET

Order No. 0254090

Digital wireless 2-channel PLL microphone system, 2.4 GHz

- 2 microphone transmitters, 1 receiver, 1 plug-in power supply
- High resistance to interference due to digital transmission
- 2 systems can be used in parallel
- 16 frequencies for each channel can be selected at the transmitter
- Wireless auto-configuration of the receiver
- Volume control for each channel
- 6.3 mm output for mixed signal

Licence-free in the EU.



Model	TXS-2402SET
Carrier frequency range	2,404-2,476 MHz
Audio frequency range	80-12,000 Hz
THD	< 0.1%
Dynamic range	87 dB
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Operating range	approx. 30 m (free field) approx. 20 m (indoors)
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	Ø 54 mm x 225 mm
Weight transmitter	120 g
Audio signal receiver	100 mV/600 Ω
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	220 x 45 x 150 mm
Weight receiver	550 g
Connections receiver	1 x 6.3 mm jack, unbal.

TXS-2401SX

Order No. 0254680

Digital wireless pocket transmitter, 2.4 GHz, matching the 2-channel PLL microphone system TXS-2402SET.

- High resistance to interference due to digital transmission
- 16 selectable frequencies (2,404-2,476 MHz)
- Volume control
- Power LED
- Belt clip
- Headband microphone and tie clip microphone, each with latchable 3.5 mm plug
- Power supply via 2 x 1.5 V battery AA size (not supplied)

Licence-free in the EU.



Model	TXS-2401SX
Carrier frequency range	2,404-2,476 MHz
Audio frequency range	80-12,000 Hz
Operating time	> 20 h
Admiss. ambient temp.	0-40 °C
Transmitting power	10 mW
Power supply transmitter	2 x 1.5 V batt. AA size
Dimensions transmitter	62 x 90 x 28 mm
Weight transmitter	105 g
Connections transmitter	1 x 3.5 mm jack

There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!

Microphones

Wireless Transmission

TXS-812SET

Order No. 0252600



Wireless 2-channel microphone system

- 2 microphone transmitters, 1 receiver, 1 plug-in power supply
- Two-channel UHF version (non-diversity) with channel mixing function which can additionally be selected
- Volume and squelch controls for each channel
- Each channel with LEDs for indicating RF signal and audio signal

Licence-free in the EU.

Model	TXS-812SET
Carrier frequency range	863.80 MHz , 864.20 MHz
Audio frequency range	40-15,000 Hz
THD	< 0.5%
Dynamic range	> 90 dB
RF S/N ratio	> 80 dB
Admiss. ambient temp.	0-40 °C
Transmitting power	< 10 mW
Operating range	approx. 30 m
Power supply transmitter	2 x 1.5 V batt. AA size (not supplied)
Dimensions transmitter	Ø 52 mm x 260 mm
Weight transmitter	240 g
Audio signal receiver	0-200 mV/10 kΩ (jack)
	0-400 mV/10 kΩ (XLR, bal.)
Power supply receiver	via encl. plug-in power supply
Dimensions receiver	210 x 46 x 190 mm
Weight receiver	560 g
Connections receiver	2 x XLR, bal. 1 x 6.3 mm jack, unbal.



TXS-100BNC

Order No. 0247770



Mounting brackets, for offset antenna mounting.

- Aluminium, black lacquered
- Fixed BNC jack, 100 cm antenna cable with BNC plug



TXS-70BNC

Order No. 0021490



Adapter cable set, for offset antenna mounting.

- 2 x 35 cm antenna cable with BNC plug
- 2 x BNC bushing



TXS-35BNC

Order No. 0247760



Mounting brackets, for offset antenna mounting.

- For 482 mm (19") rack installation
- Aluminium, black lacquered
- Fixed BNC jack, 35 cm antenna cable with BNC plug



TXS-875B

Order No. 0150840



Pair of antenna amplifiers, 470-960 MHz, as RF signal amplification for multifrequency receiver units with matching supply voltage at the antenna terminals.

- Power supply via the receiver units
- DC feed-through output for cascading up to 2 x TXS-875B max.
- Supplied with mounting brackets

- Ideal for mobile applications: mounting facility for microphone stand with 16 mm (5/8") thread



TXS-875DS

Order No. 0150850



4-way antenna splitter, for operating up to four multifrequency receiver units with removable antennas (BNC) in the respective frequency range with one pair of antennas.

With this device, it is no longer necessary to use respective antennas and plug-in power supplies of the individual devices. The power is supplied via four available low-voltage outputs. Supplied with matching connection cables. Each antenna connection via BNC jack.

- Frequency range: 470-960 MHz
- 2-way RF output for easily cascading several antenna splitters TXS-875DS
- Dimensions: 482 x 45 x 250 mm, 1 RS
- Weight: 2.2 kg



- Power supply: ~ 230 V/50 Hz/60 VA
- Low-voltage outputs for power supply of 4 x = 12 V/1 A max.
- Supplies operating voltage for TXS-875B

TXS-85ANT

Order No. 0255270

Replacement rod antenna, particularly suitable for multifrequency receiver units TXS-875, TXS-895 and antenna amplifier TXS-875B.

- Perfect reception due to half-wave length tuning ($\lambda/2$)
- Folding 90°, with 45° locking
- Flexible, with insulating plastic sheathing

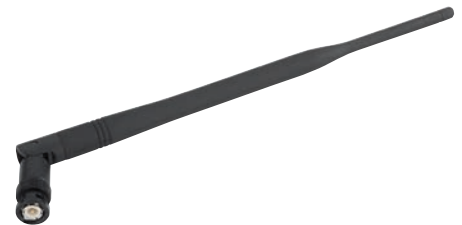


TXS-82ANT

Order No. 0253180

Replacement rod antenna, particularly suitable for multifrequency receiver units TXS-872, TXS-892 and antenna amplifier TXS-875B.

- Perfect reception due to half-wave length tuning ($\lambda/2$)
- Folding 90°, with 45° locking
- Flexible, with insulating plastic sheathing

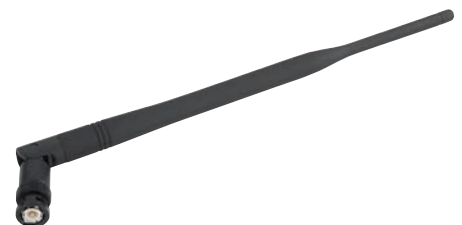


TXS-81ANT

Order No. 0253730

Replacement rod antenna, for UHF frequency receiver unit TXS-871.

- Perfect reception due to half-wave length tuning ($\lambda/2$)
- Folding 90°, with 45° locking
- Flexible, with insulating plastic sheathing



TXS-1BNC

Order No. 0247750

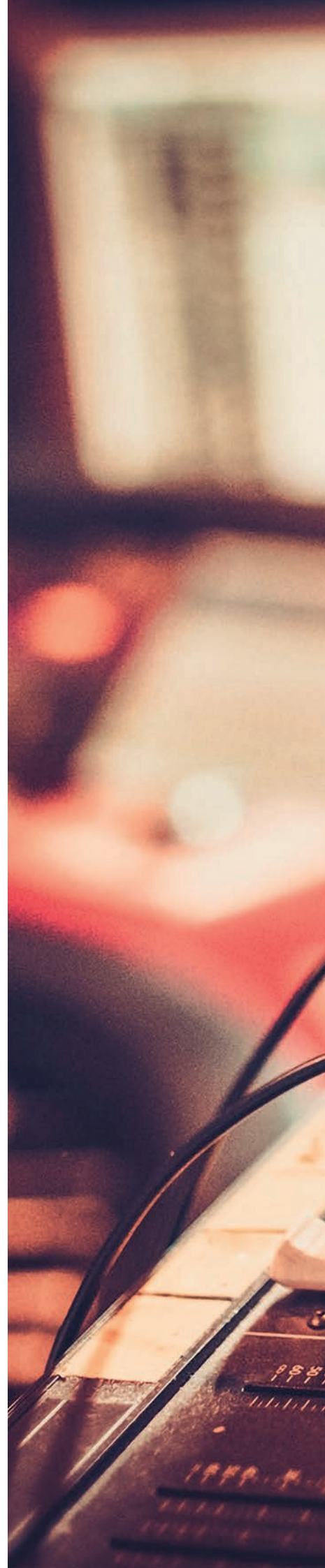
Replacement telescopic antenna

- For VHF 175-225 MHz
- BNC connection



MIXERS

A mixer must impress with a reliable performance and a simple operating concept. Just like mixers from IMG STAGELINE do every day with DJ sets, on stage or in home studios. Our portfolio meets a wide range of requirements and includes simple DJ mixers as well as professional 20-channel digital mixers. The best thing about it is that we are not only providing everything for a an impressive performance, we also make it available at an extremely attractive price.





MIXING



DELTA-160

Order No. 0203190



16-channel digital audio mixer

- 12 mono input channels (comb. inputs XLR/6.3 mm jack)
- 2 stereo input channels
- 1 S/PDIF input
- 1 USB audio channel
- USB recording (stereo master) and playback with 192 kHz/24 bits max.
- Integrated DSP (2 x reverb, 2 x modulation, 2 x delay, 2 x 31-band graphic equalizer)
- 8 XLR outputs
- 1 monitor output (6.3 mm jack)
- 1 AES/EBU output
- 1 S/PDIF output
- Can be remote-controlled via app (iOS)
- +48 V phantom power, can be activated as required for each mono input channel
- 1 adjustable headphone output
- 17.8 cm (7") colour LCD touch screen for display and settings
- Supplied with power supply

Model	DELTA-160
Mic input	0.4 mV/3 mV, bal. (comb. jack)
Line input	8 mV, bal. (stereo)
Master output	700 mV, bal. (XLR)
Monitor output	700 mV, bal. (6.3 mm jack)
Headphones	> 8 Ω
Frequency range	20-20,000 Hz
THD	< 0.01%
Crosstalk	> 69 dB
Equalizer bass	DSP (4-band equalizer)
Equalizer midrange	DSP (4-band equalizer)
Equalizer treble	DSP (4-band equalizer)
Power supply	vie encl. power supply
Dimensions	335 x 140 x 410 mm
Weight	5.55 kg



RM/DELTA-160

Order No. 0203230



482 mm mounting bracket set

- For rack installation of 16-channel digital audio mixer DELTA-160
- 2 mounting brackets
- Black lacquered metal version





DELTA-160R

Order No. 0203180

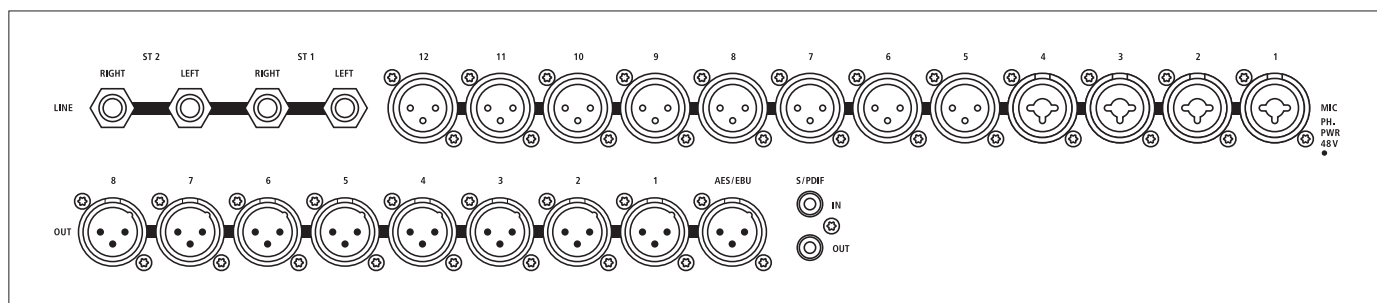


16-channel digital audio mixer

- 12 mono input channels (8 XLR inputs, 4 comb. inputs XLR/6.3 mm jack)
- 2 stereo input channels
- 1 S/PDIF input
- 1 USB audio channel
- USB recording (stereo master) and playback with 192 kHz/24 bits max.
- Integrated DSP (2 x reverb, 2 x modulation, 2 x delay, 2 x 31-band graphic equalizer)
- 8 XLR outputs
- 1 AES/EBU output
- 1 S/PDIF output
- Can be remote-controlled via app (iOS)
- +48 V phantom power, can be activated as required for each mono input channel
- 1 adjustable headphone output
- 17.8 cm (7") colour LCD touch screen for display and settings
- 482 mm (19") rack installation, 4 RS



Model	DELTA-160R
Mic input	0.4 mV, bal. (XLR), 0.4 mV/3 mV, bal. (comb. jack)
Line input	8 mV, bal. (stereo)
Master output	700 mV, bal. (XLR)
Headphones	> 8 Ω
Frequency range	20-20,000 Hz
THD	< 0.01%
Crosstalk	> 69 dB
Equalizer bass	DSP (4-band equalizer)
Equalizer midrange	DSP (4-band equalizer)
Equalizer treble	DSP (4-band equalizer)
Power supply	~ 100-240 V/50-60 Hz/45 VA
Dimensions	482 x 180 x 155 mm
Weight	4.62 kg





DMIX-20/2

Order No. 0203200



20-channel digital audio mixer, with touch screen, 2 DSP effect units and USB interface.

- 16 mono input channels with assignable controls
- 8 channel inserts
- 2 stereo input channels
- 1 USB audio channel
- Full duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 2 integrated DSPs as well as equalizer, noise gate, compressor/limiter and delay
- 4 aux send outputs and 4 subgroup outputs or 8 aux outputs
- 6 DCA groups
- Control room function
- 100 mm motor-driven fader
- Sampling rate: 24 bits/48 kHz
- Settings can be stored
- Remote control possible via iPad (when connected to external router)
- RJ45 network connection for remote control

- +48 V phantom power
- 2 adjustable headphone outputs
- 17.8 cm colour LCD touch screen (7") for display and settings
- Mounting facility for extension modules available at option
- 482 mm (19") rack installation, 8 RS, with supplied mounting brackets

Model	DMIX-20/2
Mic input	3 mV, bal. (combo jack)
Line input	750 mV, bal. (stereo), 100 mV (mono),
Insert input	800 mV
Master output	750 mV, bal. (XLR) 750 mV (jack)
Aux output	8 V
Insert output	800 mV
Control room	2.3 V
Headphones	> 8 Ω
Frequency range	20-20,000 Hz
THD	< 0.01%
S/N ratio	> 104 dB
Crosstalk	> 80 dB
Equalizer bass	±24 dB/21-19,200 Hz (dep. on filter)
Equalizer midrange	±24 dB/21-19,200 Hz (dep. on filter) ±24 dB/21-19,200 Hz (dep. on filter)
Equalizer treble	±24 dB/21-19,200 Hz (dep. on filter)
Power supply	~ 230 V/50 Hz/60 VA
Dimensions	442 x 355 x 130 mm
Weight	7.3 kg



MR-DMIX20

Order No. 0257720

Flight case, for transporting one digital audio mixer DMIX-20.

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks, recessed drop handles
- Dimensions: 505 x 230 x 495 mm
- Weight: 8.4 kg

Supplied w/o devices.



DMIX-20DTM/2

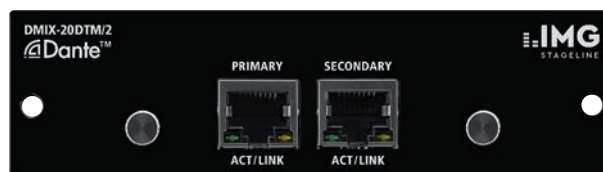
Order No. 0203210

Module, for inserting digital mixer DMIX-20/2 into a Dante® network.

- Audio transmission via Ethernet using Dante® protocol
- Parallel transmission of 32 x 32 audio channels
- Easy signal control via network technology
- Mini PCI plug-in board
- Connections: 2 x RJ45

System requirements: Windows* 7/8/10 or MacOS X

The brand Dante® as well as the Dante® software which may have been integrated into these products are licenced by Audinate Pty Ltd.



DMIX-20IO/2

Order No. 0203220

32-channel input/output module, for digital mixer DMIX-20/2.

- Digital audio interface for recording audio data
- Recording and reproduction of 32 channels via the PC (32 input channels, 32 output channels)
- Sampling rate: 48 kHz/24 bits
- Mini PCI plug-in board
- Connections: USB Type-B jack (USB 2.0, 380 Mbps)



DMIX-20WIFI

Order No. 0202920



Module, for remote control of digital mixer DMIX-20 and DMIX-20/2 with app for iPads without external router.

- Portable WLAN router for wireless signal transmission
- Free app available from Apple App Store
- Integrated Wi-Fi antenna (2.4 GHz)
- Connections: USB Type-B jack



Mixers

Analogue Mixers

MXR-120PRO

Order No. 0200620



Professional 12-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 8 mono input channels with gain control, 3-way equalizer and pan pot
- 2 stereo input channels with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- 16 different DSP effects
- Adjustable aux return input and FX send output
- +48 V phantom power, can be activated as required
- Adjustable headphone output
- Stereo LED level display



Model	MXR-120PRO
Mic input	0.6 mV, bal. 8 x XLR
Line input	80 mV (stereo), 2 x 6.3 mm jack L/R 7 mV (mono), 8 x 6.3 mm jack
Aux input	340 mV, 1 x 6.3 mm jack L/R
Master output	760 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 75 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/30 VA
Dimensions	484 x 93 x 320 mm
Weight	4.4 kg

MXR-80PRO

Order No. 0200530



Professional 8-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 4 mono input channels with gain control, 3-way equalizer and pan pot
- 2 stereo input channels with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- 16 different DSP effects
- Adjustable aux return input and FX send output
- +48 V phantom power, can be activated as required
- Adjustable headphone output
- Stereo LED level display



Model	MXR-80PRO
Mic input	0.6 mV, bal. 4 x XLR
Line input	80 mV (stereo), 2 x 6.3 mm jack L/R 7 mV (mono), 4 x 6.3 mm jack
Aux input	340 mV, 1 x 6.3 mm jack L/R
Master output	760 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 75 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/25 VA
Dimensions	364 x 93 x 320 mm
Weight	3.4 kg

MXR-60PRO

Order No. 0200500



Professional 6-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 4 mono input channels with gain control, 3-way equalizer and pan pot
- 1 stereo input channel with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- 16 different DSP effects
- Adjustable aux return input and FX send output
- +48 V phantom power, can be activated as required
- Adjustable headphone output
- Stereo LED level display



Model	MXR-60PRO
Mic input	0.6 mV, bal. 4 x XLR
Line input	80 mV (stereo), 2 x 6.3 mm jack L/R 7 mV (mono), 4 x 6.3 mm jack
Aux input	340 mV, 1 x 6.3 mm jack L/R
Master output	760 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 75 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/20 VA
Dimensions	334 x 93 x 320 mm
Weight	3.2 kg

MXR-40PRO

Order No. 0200490



Professional 4-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 2 mono input channels with gain control, 3-way equalizer and pan pot
- 1 stereo input channel with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- 16 different DSP effects
- Adjustable aux return input and FX send output
- +48 V phantom power, can be activated as required
- Adjustable headphone output
- Stereo LED level display



Model	MXR-40PRO
Mic input	0.6 mV, bal. 2 x XLR
Line input	80 mV (stereo), 1 x 6.3 mm jack L/R 7 mV (mono), 2 x 6.3 mm jack
Aux input	340 mV, 1 x 6.3 mm jack L/R
Master output	760 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 75 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/15 VA
Dimensions	282 x 93 x 320 mm
Weight	2.7 kg

Mixers

Analogue Mixers

MXR-160

Order No. 0200150



16-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 14 mono input channels with gain control, 3-way equalizer and pan pot
- 1 stereo input channel with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- DSP delay, adjustable
- Adjustable aux return input and FX send output
- Tape record/play connections
- 5-band stereo graphic equalizer
- +48 V phantom power, can be activated as required
- Pre-fader listening (PFL) to the stereo input channels via adjustable headphone output
- Stereo LED level display



Model	MXR-160
Mic input	2.2 mV, bal. 14 x XLR
Line input	50 mV (stereo), 1 x 6.3 mm jack L/R 30 mV (mono), 14 x 6.3 mm jack
Tape (play)	290 mV, 1 x RCA L/R
Aux input	420 mV, 1 x 6.3 mm jack L/R
Master output	880 mV, bal. 1 x XLR L/R 880 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Tape (rec)	400 mV, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 82 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/35 VA
Dimensions	614 x 53 x 340 mm
Weight	5.4 kg

MXR-120

Order No. 0200100



12-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 10 mono input channels with gain control, 3-way equalizer and pan pot
- 1 stereo input channel with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- DSP delay, adjustable
- Adjustable aux return input and FX send output
- Tape record/play connections
- 5-band stereo graphic equalizer
- +48 V phantom power, can be activated as required
- Pre-fader listening (PFL) to the stereo input channels via adjustable headphone output
- Stereo LED level display



Model	MXR-120
Mic input	2.2 mV, bal. 10 x XLR
Line input	50 mV (stereo), 1 x 6.3 mm jack L/R 30 mV (mono), 10 x 6.3 mm jack
Tape (play)	290 mV, 1 x RCA L/R
Aux input	420 mV, 1 x 6.3 mm jack L/R
Master output	880 mV, bal. 1 x XLR L/R 880 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Tape (rec)	400 mV, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 82 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/30 VA
Dimensions	498 x 53 x 340 mm
Weight	4.4 kg

MXR-80

Order No. 0200080



8-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 6 mono input channels with gain control, 3-way equalizer and pan pot
- 1 stereo input channel with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- DSP delay, adjustable
- Adjustable aux return input and FX send output
- Tape record/play connections
- 5-band stereo graphic equalizer
- +48 V phantom power, can be activated as required
- Pre-fader listening (PFL) to the stereo input channels via adjustable headphone output
- Stereo LED level display



Model	MXR-80
Mic input	2.2 mV, bal. 8 x XLR
Line input	50 mV (stereo), 1 x 6.3 mm jack L/R 30 mV (mono), 8 x 6.3 mm jack
Tape (play)	290 mV, 1 x RCA L/R
Aux input	420 mV, 1 x 6.3 mm jack L/R
Master output	880 mV, bal. 1 x XLR L/R 880 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Tape (rec)	400 mV, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 82 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/25 VA
Dimensions	382 x 53 x 340 mm
Weight	3.4 kg

MXR-60

Order No. 0200630



6-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 4 mono input channels with gain control, 3-way equalizer and pan pot
- 1 stereo input channel with 3-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- DSP delay, adjustable
- Adjustable aux return input and FX send output
- Tape record/play connections
- 5-band stereo graphic equalizer
- +48 V phantom power, can be activated as required
- Pre-fader listening (PFL) to the stereo input channels via adjustable headphone output
- Stereo LED level display



Model	MXR-60
Mic input	2.2 mV, bal. 4 x XLR
Line input	50 mV (stereo), 1 x 6.3 mm jack L/R 30 mV (mono), 4 x 6.3 mm jack
Tape (play)	290 mV, 1 x RCA L/R
Aux input	420 mV, 1 x 6.3 mm jack L/R
Master output	880 mV, bal. 1 x XLR L/R 880 mV, 1 x 6.3 mm jack L/R
Effect send	9 V, 1 x 6.3 mm jack
Tape (rec)	400 mV, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 82 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/2.5 kHz
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/20 VA
Dimensions	324 x 53 x 340 mm
Weight	2.9 kg

Mixers

Analogue Mixers

MXR-6

Order No. 0200280



6-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 4 mono input channels with gain control, 2-way equalizer and pan pot
- 2 stereo input channels with 2-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- 16 different DSP effects
- Adjustable aux return input and FX send output
- +48 V phantom power, can be activated as required
- Adjustable headphone output
- Stereo LED level display
- Power is provided via USB or enclosed power supply



Model	MXR-6
Mic input	2 mV, bal. 4 x XLR
Line input	100 mV (stereo), 2 x 6.3 mm jack L/R 60 mV (mono), 2 x 6.3 mm jack
Aux input	400 mV, 1 x 6.3 mm jack L/R
Master output	500 mV, 1 x 6.3 mm jack L/R
Effect send	4.4 V, 1 x 6.3 mm jack
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 83 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer treble	±15 dB/12 kHz
Power supply	USB or encl. power supply
Dimensions	308 x 53 x 205 mm
Weight	1.9 kg

MXR-4

Order No. 0200250



4-channel audio mixer, with DSP effect unit, integrated MP3 player and Bluetooth receiver.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 2 mono input channels with gain control, 2-way equalizer and pan pot
- 1 stereo input channel with 2-way equalizer and balance control
- MP3 player
- USB interface
- Bluetooth receiver
- 16 different DSP effects
- Adjustable aux return input and FX send output
- +48 V phantom power, can be activated as required
- Adjustable headphone output
- Stereo LED level display
- Power is provided via USB or supplied power supply



Model	MXR-4
Mic input	2 mV, bal. 2 x XLR
Line input	100 mV (stereo), 2 x 6.3 mm jack L/R 60 mV (mono), 2 x 6.3 mm jack
Aux input	400 mV, 1 x 6.3 mm jack L/R
Master output	500 mV, 1 x 6.3 mm jack L/R
Effect send	4.4 V, 1 x 6.3 mm jack
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.03%
S/N ratio	> 83 dBA
Equalizer bass	±15 dB/80 Hz
Equalizer treble	±15 dB/12 kHz
Power supply	USB or encl. power supply
Dimensions	228 x 53 x 205 mm
Weight	1.4 kg

MMX-11USB

Order No. 0202840



2-channel miniature audio mixer, with 3 inputs and USB interface.

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 1 mono input channel with gain control, 2-way equalizer and pan pot, peak LED
- 1 stereo input channel with level control, 2-way equalizer and balance control
- Tape record/play connections
- 1 x 3.5 mm stereo output (master)
- Adjustable headphone output
- +20 V phantom power, permanent
- Clip LED
- Robust metal housing of compact size



Model	MMX-11USB
Mic input	0.5 mV, 1 x 3-pole XLR
Line input	150 mV (stereo), 1 x RCA L/R 2 mV (mono), 6.3 mm jack
Tape (play)	420 mV, 1 x RCA L/R
Master output	6 V max., 1 x 3.5 mm jack
Booth output	6 V max., 1 x 3.5 mm jack
Tape (rec)	1 x RCA L/R
Frequency range	20-20,000 Hz
THD	< 0.05%
S/N ratio	81 dB, weighted
Equalizer bass	±15 dB/80 Hz
Equalizer treble	±15 dB/12 kHz
Power supply	via USB interface or via encl. power supply
Dimensions	102 x 45 x 140 mm
Weight	430 g



MPX-410DMP

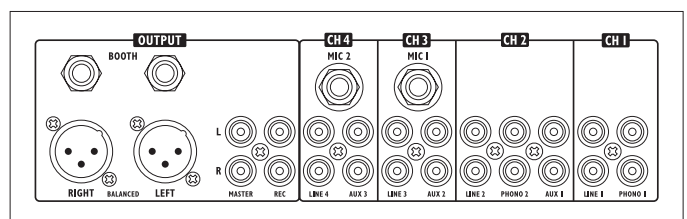
Order No. 0202850



Stereo DJ mixer with integrated MP3 player and Bluetooth receiver

Mixer:

- 4 stereo input channels, switchable MP3/phono/line (channel 1), aux/phono/line (channel 2) and aux/mic/line (channels 3-4)
 - Input channels, each with gain control and 2-way tone control
 - 1 DJ microphone channel, adjustable, with 2-way tone control
 - Adjustable headphone output with pre-fader listening (PFL) to the stereo input channels and the master output
 - Crossfader with assignment switches
 - Master output with stereo LED level display
 - Additional outputs booth and record
- MP3 player with Bluetooth receiver, USB interface and SD/MMC card slot:
- Bluetooth receiver for wireless connection of laptops, smartphones or tablet PCs
 - USB storage media can be connected directly (e.g. USB flash drive)
 - For SD/MMC cards up to 32 GB (FAT16/FAT32), available at option
 - Alphanumeric display
 - Repeat function
 - Blue backlit display



Model	MPX-410DMP
Mic input	1.5 mV, 3 x 6.3 mm jack
Line input	200 mV, 4 x RCA L/R
Phono input	2 mV, 2 x RCA L/R
Aux input	200 mV, 3 x RCA L/R
Master output	1 V, 1 x 3-pole XLR (bal.) 1 x RCA L/R
Record output	400 mV, 1 x RCA L/R
Booth output	1 V, 1 x 6.3 mm jack L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Bluetooth	yes
Frequency range	20-20,000 Hz
THD	< 0.15%
S/N ratio	> 60 dB, unweighted
Equalizer bass	±15 dB/50 Hz (channels 1-4) ±12 dB/100 Hz (DJ mic)
Equalizer treble	±15 dB/10 kHz (channels 1-4) ±12 dB/7 kHz (DJ mic)
Power supply	~ 230 V/50 Hz/15 VA
Dimensions	482 x 88 x 125 mm, 2 RS
Weight	2.9 kg

Mixers

Analogue Mixers

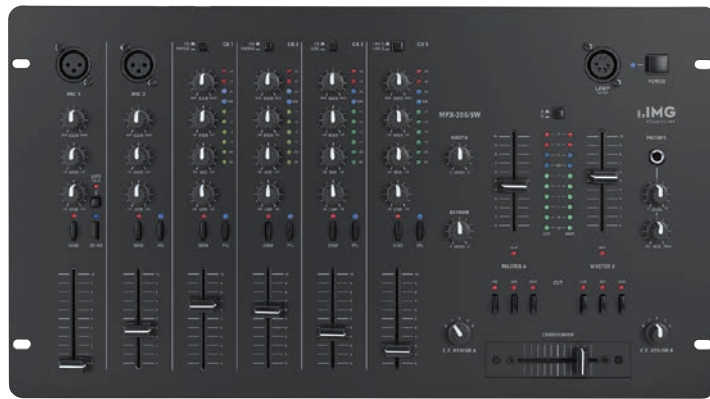
MPX-206/SW

Order No. 0202480



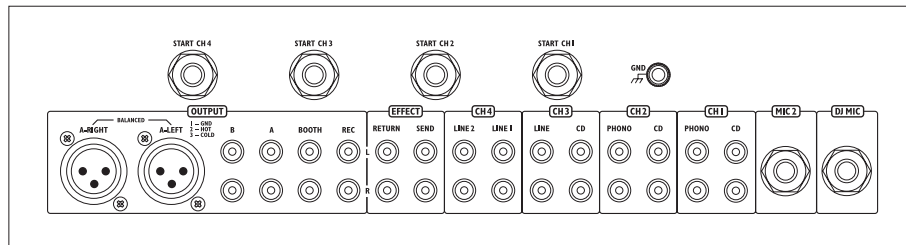
6-channel stereo mixer

- 4 stereo input channels, each with separate LED level display, switchable line/phono (channels 1-2) and line/line (channels 3-4), gain control, 3-way equalizer with cut function
- 1 DJ microphone channel with switchable automatic talkover and 1 guest microphone channel, both channels with gain control as well as 2-way tone control
- 1 stereo effect way (send/return)
- 2 master outputs, each with beat LED and 1 booth output
- 1 record output
- LED level display, switchable between both master outputs
- Crossfader with assignment switches for channels 1-4 and cut switch function to suppress high frequencies, midrange and bass frequencies



- Adjustable headphone output
- Fader start for the stereo inputs (channels 1-4)
- Connection for gooseneck light GNL-404

Model	MPX-206/SW
Mic input	1.5 mV, 2 x 6.3 mm jack
Line input	150 mV, 3 x RCA L/R
CD input	150 mV, 3 x RCA L/R
Phono input	3 mV, 2 x RCA L/R
Effect return	135 mV, 1 x RCA L/R
Master output	1 V/600 Ω, 1 x 3-pole XLR L/R
Record output	300 mV/600 Ω, 1 x RCA L/R
Monitor output	1 V/600 Ω, 1 x RCA L/R
Effect send	300 mV/600 Ω, 1 x RCA L/R
Headphones	≥ 8 Ω, 6.3 mm jack
Gooseneck lamp	12 V/5 W, 4-pole XLR
Frequency range	20-20,000 Hz
THD	0.05%
S/N ratio	> 50 dB
Equalizer bass	+15 dB, -30 dB/50 Hz
Equalizer midrange	+15 dB, -30 dB/1 kHz
Equalizer treble	+15 dB, -30 dB/10 kHz
Talkover	-12 dB, switchable
Power supply	~ 230 V/50 Hz/14 VA
Dimensions	482 x 266 x 110 mm, 6 RS
Weight	6.48 kg



MPX-205/SW

Order No. 0202190

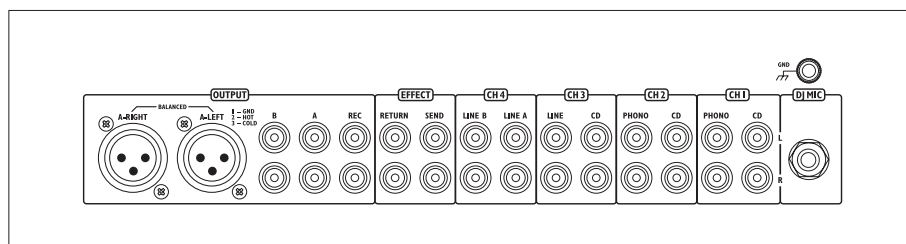


Stereo DJ mixer

- 1 DJ mic, 4 stereo channels, switchable line/phono (1+2) and line/line (3+4)
- Stereo effect send/return
- 2 master outputs
- Automatic talkover and on-air switch for DJ mic
- LED level display, can be switched between the two master outputs and PFL
- 3-way equalizer with cut function for stereo channels
- 2-way tone control for DJ mic
- Gain control for each input
- Pre-fader listening (PFL) to the stereo inputs and outputs via adjustable headphone output
- Crossfader with assignment switches
- Connection for gooseneck light GNL-404



Model	MPX-205/SW
Mic input	1.5 mV, 1 x 6.3 mm jack
Line input	150 mV, 3 x RCA L/R
CD input	150 mV, 3 x RCA L/R
Phono input	3 mV, 2 x RCA L/R
Effect return	135 mV, 1 x RCA L/R
Master output	1 V/600 Ω, 1 x 3-pole XLR L/R
Record output	330 mV/600 Ω, 1 x RCA L/R
Monitor output	300 mV/600 Ω, 1 x RCA L/R
Effect send	1.2 V/600 Ω, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Gooseneck lamp	12 V/5 W, 1 x 4-pole XLR
Frequency range	20-20,000 Hz
THD	0.05%
S/N ratio	> 50 dB
Equalizer bass	+15 dB, -30 dB/50 Hz
Equalizer midrange	+15 dB, -30 dB/1 kHz
Equalizer treble	+15 dB, -30 dB/10 kHz
Talkover	-12 dB, automatic
Power supply	~ 230 V/50 Hz/14 VA
Dimensions	482 x 222 x 110 mm, 5 RS
Weight	4.3 kg



MPX-30DMP

Order No. 0202760

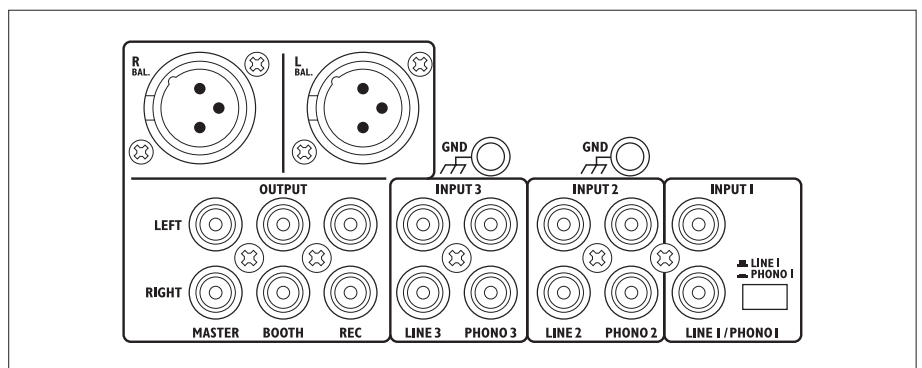


Stereo DJ mixer with integrated MP3 player

Mixer:

- 3 input channels (5 stereo ways, 1 DJ microphone way)
 - Input channels, each with gain control, 3-way equalizer and cue button, with LED level display of the stereo master
 - Talkover function
 - Adjustable headphone output with pre-fader listening to the stereo input channels and the master output
 - Crossfader with switchable characteristic and reverse switch
 - Master output with stereo LED level display
 - Additional outputs booth and record
- MP3 player with USB interface and SD/MMC card slot:
- USB storage media can be connected directly (e.g. USB flash drive)
 - For SD/MMC cards up to 32 GB (FAT 6/FAT 32), available at option
 - Alphanumeric display
 - Repeat function
 - Blue backlit display

Model	MPX-30DMP
Mic input	1 mV, 1 x 3-pole XLR/6.3 mm jack
Line input	70 mV (line 1), 1 x RCA L/R 50 mV (line 2-3), 2 x RCA L/R
Phono input	2 mV (phono 1), 1 x RCA L/R 1 mV (phono 2-3), 2 x RCA L/R
Master output	1 V, 1 x 3-pole XLR L/R, bal. 580 mV, 1 x RCA L/R
Record output	200 mV, 1 x RCA L/R
Booth output	500 mV, 1 x RCA L/R
Headphones	≥ 8 Ω, stereo
Frequency range	20-20,000 Hz
THD	< 0.15%
S/N ratio	> 60 dB, unweighted
Equalizer bass	+12 dB, -32 dB/50 Hz
Equalizer midrange	+12 dB, -32 dB/1.2 kHz
Equalizer treble	+12 dB, -32 dB/10 kHz
Talkover	-16 dB
Power supply	~ 230 V/50 Hz/20 VA
Dimensions	245 x 315 x 120 mm
Weight	3 kg



MPX-44/SW

Order No. 0202420



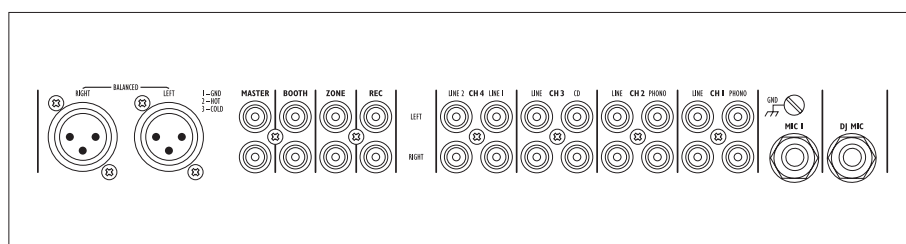
6-channel stereo DJ mixer, with black brushed aluminium front panel.

- 6 input channels (4 stereo ways, 2 microphone ways)
- Stereo input channels, switchable 2 x phono/line and 2 x line/line, with LED level display of the stereo master
- Input channels, each with gain control and 3-way equalizer, stereo input channels with cut function
- DJ mic with automatic talkover, PAD switch and on-air switch
- Mic with PAD switch and on-air switch
- Switches illuminate blue when activated
- Adjustable, crossfader-controlled headphone output with pre-fader listening (PFL) to the stereo input channels and mic
- Replaceable crossfader with assignment switches
- Especially easy-sliding high-quality faders
- Master output with stereo LED level display

- Additional outputs booth and zone
- Connection for gooseneck light GNL-204



Model	MPX-44/SW
Mic input	1.5 mV, 2 x 6.3 mm jack
Line input	150 mV, 5 x RCA L/R
CD input	150 mV, 1 x RCA L/R
Phono input	3 mV, 2 x RCA L/R
Master output	1 V/600 Ω, 1 x 3-pole XLR, 1 x RCA L/R
Record output	0.5 V/600 Ω, 1 x RCA L/R
Monitor output	1 V/600 Ω (zone), 1 x RCA L/R
Booth output	1 V/600Ω, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Gooseneck lamp	12 V/0.75 W, 1 x BNC
Frequency range	20-20,000 Hz
THD	0.1%
S/N ratio	61 dB, unweighted
Equalizer bass	+12 dB, -12 dB/50 Hz (mic) +15 dB, -30 dB/50 Hz (channels 1-4)
Equalizer midrange	+12 dB, -12 dB/1 kHz (mic) +15 dB, -30 dB/1 kHz (channels 1-4)
Equalizer treble	+12 dB, -12 dB/10 kHz (mic) +15 dB, -30 dB/10 kHz (channels 1-4)
Talkover	-16 dB, automatic
Power supply	~ 230 V/50 Hz/20 VA
Dimensions	482 x 177 x 105 mm, 4 RS
Weight	3.6 kg



Mixers

Analogue Mixers

MPX-622/SW

Order No. 0202210



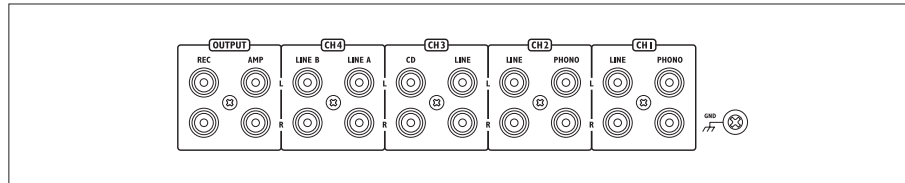
6-channel stereo audio mixer, particularly suitable for PA and DJ applications.

- 2 mono microphone channels with talkover switch and 2-way tone control
- 4 stereo input channels, switchable phono/line (channels 1 and 2) or line/line (channels 3 and 4)
- 1 stereo master output
- 1 stereo record output, independent of the master
- 3-way equalizer with centre click for master output and record output

- Pre-fader listening to each stereo input channel and the master output via adjustable stereo headphone output
- Switchable crossfader for crossfading between channels 1-4, any assignment possible
- Stereo LED level display



Model	MPX-622/SW
Mic input	1 mV, 2 x 6.3 mm jack
Line input	150 mV, 5 x RCA L/R
CD input	150 mV, 1 x RCA L/R
Phono input	3 mV, 2 x RCA L/R
Master output	0.775 V/600 Ω, 1 x RCA L/R
Record output	0.775 V/600 Ω, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	0.1%
S/N ratio	65 dB
Equalizer bass	±10 dB/100 Hz
Equalizer midrange	±10 dB/1 kHz
Equalizer treble	±10 dB/10 kHz
Talkover	-15 dB
Power supply	~ 230 V/50 Hz/10 VA
Dimensions	482 x 89 x 95 mm, 2 RS
Weight	2.4 kg



MPX-1/BK

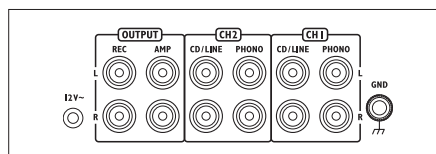
Order No. 0202170



Stereo DJ mixer

- 2 stereo input channels, each with gain control and 2-way equalizer, switchable phono/line
- DJ microphone channel with talkover, manually selectable
- Pre-fader listening (PFL) to the stereo input channels via adjustable headphone output
- Replaceable crossfader for crossfading between the two input channels
- Particularly easy-sliding high-quality faders with additional guides
- Stereo LED level display

Model	MPX-1/BK
Mic input	1.5 mV, 49 dB, 1 x 6.3 mm jack
Line input	150 mV, 61 dB, 2 x RCA L/R
Phono input	3 mV, 2 x RCA L/R
Master output	1 V/600 Ω, 1 x RCA L/R
Record output	0.5 V/600 Ω, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	0.1%
Equalizer bass	±12 dB/50 Hz
Equalizer treble	±12 dB/10 kHz
Talkover	-16 dB
Power supply	via encl. plug-in power supply
Dimensions	164 x 218 x 77 mm
Weight	1.2 kg



MPX-20USB

Order No. 0202860



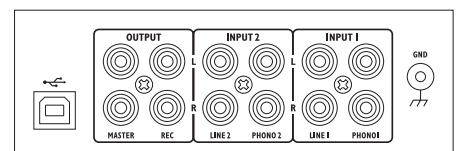
3-channel stereo DJ mixer, with USB interface.

Plug and mix!

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC as well as for recording mixings onto a PC
- 1 microphone input channel
- 2 stereo input channels, switchable line/phono and USB/line/phono
- 1 stereo output channel (master)
- 1 stereo record output
- Pre-fader listening (CUE) to the stereo input channels via adjustable headphone output
- Crossfader
- LED level display

Model	MPX-20USB
Mic input	1 mV, 1 x 6.3 mm jack
Line input	450 mV, 2 x RCA L/R
Phono input	9 mV, 2 x RCA L/R
Master output	1 V, 1 x RCA L/R
Record output	1 V, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 3.5 mm jack, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	0.1%
S/N ratio	63 dB, unweighted
Power supply	≈ 5 V/500 mA via USB interface
Dimensions	150 x 70 x 140 mm
Weight	700 g

- Robust metal housing of compact size
- Power supply via USB interface or optional power supply with USB port



MMX-602/SW

Order No. 0202230



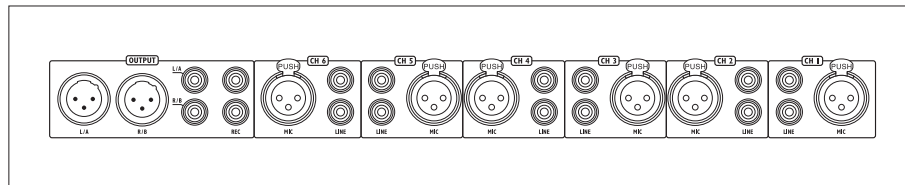
Microphone line mixer, 6 channels.

- 6 stereo line inputs, 6 balanced mono microphone inputs, switchable
- Adjustable automatic talkover (-12 dB), switchable for channel 1 or channels 1+2
- Balance control for each stereo input channel
- 3-way equalizer
- 12 V phantom power can be activated as required
- LED VU meter, peak LED
- Master output and record output

- Output can be switched stereo/mono
- Adjustable headphone output
- 482 mm (19") rack installation, 1 RS



Model	MMX-602/SW
Mic input	1 mV/6.6 k Ω , 6 x 3-pole XLR, bal.
Line input	100 mV/10 k Ω , 6 x RCA L/R
Master output	1 V/600 Ω , 1 x RCA L/R 1 x 3-pole XLR L/R, bal.
Record output	310 mV/600 Ω , 1 x RCA L/R
Headphones	> 8 Ω , 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	0.1%
S/N ratio	62 dB, unweighted
Equalizer bass	\pm 12 dB/50 Hz
Equalizer midrange	\pm 12 dB/1 kHz
Equalizer treble	\pm 12 dB/10 kHz
Talkover	-12 dB, manual
Power supply	\sim 230 V/50 Hz/12 VA
Dimensions	482 x 47 x 208 mm, 1 RS
Weight	2.8 kg



ULM-164/SW

Order No. 0202240



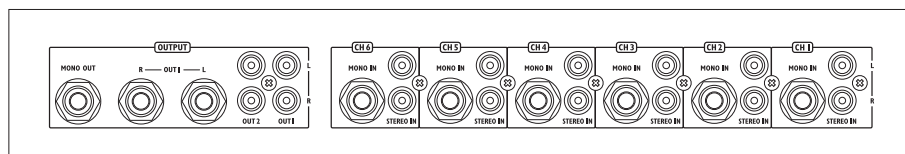
Universal line mixer, 6 channels.

- 6 stereo inputs/mono inputs
- 2 stereo outputs, independent of each other (master 1 via RCA and 6.3 mm jack), 1 mono output
- 3-way equalizer
- LED VU meter, switchable for both outputs
- Clip LED for each channel
- Balance controls with centre click for the stereo input channels

- Extended muting function
- Adjustable headphone output
- 482 mm (19") rack installation, 1 RS



Model	ULM-164/SW
Line input	150 mV/50 k Ω (stereo), 6 x RCA L/R 150 mV/25 k Ω (mono), 6 x 6.3 mm jack, unbal.
Master output	1 V/600 Ω (stereo), 2 x RCA (1 x 6.3 mm) L/R 2 V/600 Ω (mono), 1 x 6.3 mm jack
Headphones	\geq 8 Ω , 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	0.05%
S/N ratio	69 dB, unweighted
Equalizer bass	\pm 12 dB/80 Hz
Equalizer midrange	\pm 12 dB/1 kHz
Equalizer treble	\pm 12 dB/10 kHz
Power supply	\sim 230 V/50 Hz/10 VA
Dimensions	482 x 48 x 175 mm, 1 RS
Weight	2.3 kg



MMX-30

Order No. 0252540

Compact 3-channel stereo line mixer

- 3 stereo input channels with one level control each
- 1 stereo master output, adjustable
- RCA connections for input channels and output
- 2 stereo headphone outputs, common control
- Signal/peak LEDs for the input channels and peak LED for the output

Model	MMX-30
Line input	40 mV, 3 x RCA L/R
Master output	4 V, 1 x RCA L/R
Headphones	2 x 10 mW/2 x 32 Ω , 2 x 6.3 mm jack
Frequency range	5-30,000 Hz
THD	< 0.1%
S/N ratio	> 66 dB
Power supply	via encl. plug-in power supply
Dimensions	147 x 50 x 119 mm
Weight	693 g



MMX-31

Order No. 0244450

Microphone mixer

Quick method to mix three microphones to one microphone input and still allow for individual level adjustment.

- 3 mono microphone channels (6.3 mm jack) with separate level control each
- 1 mono output via 3 m connection cable with 6.3 mm plug

Model	MMX-31
Mic input	3 x 6.3 mm mono jack
Master output	1 x 6.3 mm mono jack
Power supply	not required
Dimensions	127 x 48 x 72 mm
Weight	200 g

- Passive operation, no power supply required
- Can also be used as an extension for microphone inputs which are difficult to access
- Dimensions: 127 x 48 x 72 mm
- Weight: 255 g





FREE RECORD

Your first recording studio

You have got an idea for the perfect sound, are playing the greatest session of your life, but no chance of recording this masterpiece? The new USB recording interfaces MX-110 and MX-210 are the perfect solution. Thanks to versatile connection facilities and individual settings, you can easily transform your PC or Mac into your own recording studio and achieve a great sound. No matter whether on tour or at home: you provide the inspiration, IMG STAGELINE takes care of the equipment.

MX-210

Order No. 0203170



2-channel USB recording interface

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 2 mono input channels with XLR input (mic) and 6.3 mm input (switchable mic/line)
- Selectable 20 dB attenuation and LED level display
- Input channels switchable mono/stereo
- 1 additional stereo input
- 1 x 6.3 mm jack output L/R
- 1 x 3.5 mm jack stereo output
- Adjustable headphone output
- +48 V phantom power, can be activated as required for each channel
- Stereo LED level display
- Robust metal housing of compact size



Model	MX-210
Mic input	2.5 mV, 2 x 3-pole XLR
Line input	45 mV, 1 x 6.3 mm jack
	11 k Ω (line)/460 k Ω (inst.)
Aux input	1.25 V, 1 x 3.5 mm jack
Master output	500 mV, 2 x 6.3 mm jack L/R
Aux output	500 mV, 1 x 3.5 mm jack
Headphones	\geq 16 Ω , 1 x 3.5 mm jack
Frequency range	20-20,000 Hz
THD	\leq 0.03%
Crosstalk	92 dB
Power supply	via USB interface \approx 5 V/500 mA
Dimensions	160 x 50 x 110 mm
Weight	634 g

MX-110

Order No. 0203160



1-channel USB recording interface

- Integrated USB audio interface (will be identified and addressed as an external sound card)
- Full-duplex USB port (allows for simultaneous recording and reproduction) for reproduction of digital audio data from a PC and for recording mixings onto a PC
- 1 mono input channel with XLR input (mic) and 6.3 mm input (switchable mic/line)
- Selectable 20 dB attenuation and LED level display
- 1 additional stereo input
- 1 x 6.3 mm jack output L/R
- 1 x 3.5 mm stereo jack output
- Adjustable headphone output
- +48 V phantom power, can be activated as required
- Stereo LED level display
- Robust metal housing of compact size



Model	MX-110
Mic input	2.5 mV, 1 x 3-pole XLR
Line input	45 mV, 1 x 6.3 mm jack
	11 k Ω (line)/460 k Ω (inst.)
Aux input	1.25 V, 1 x 3.5 mm jack
Master output	500 mV, 1 x 6.3 mm jack L/R
Aux output	500 mV, 1 x 3.5 mm jack
Headphones	\geq 16 Ω , 1 x 3.5 mm jack
Frequency range	20-20,000 Hz
THD	\leq 0.03%
Crosstalk	92 dB
Power supply	via USB interface \approx 5 V/500 mA
Dimensions	120 x 50 x 110 mm
Weight	498 g



SONGWRITER-1

Order No. 0230654

NEW

Recording bundle for songwriters, consisting of:

- 1 x large diaphragm condenser microphone ECMS-70 for vocal recordings
- 1 x compact large diaphragm condenser microphone ECMS-60 for recordings of e.g. acoustic guitars
- 1 x microphone pop filter KM-23956
- 2 x microphone floor stand MS-20/SW
- 2 x XLR cable MECN-600/SW, 6 m, NEUTRIK connectors
- 1 x 2-channel USB recording interface MX-210

For additional specifications, please refer to individual items.



PODCASTER-1

Order No. 0230653

NEW

Recording bundle for podcasters, consisting of:

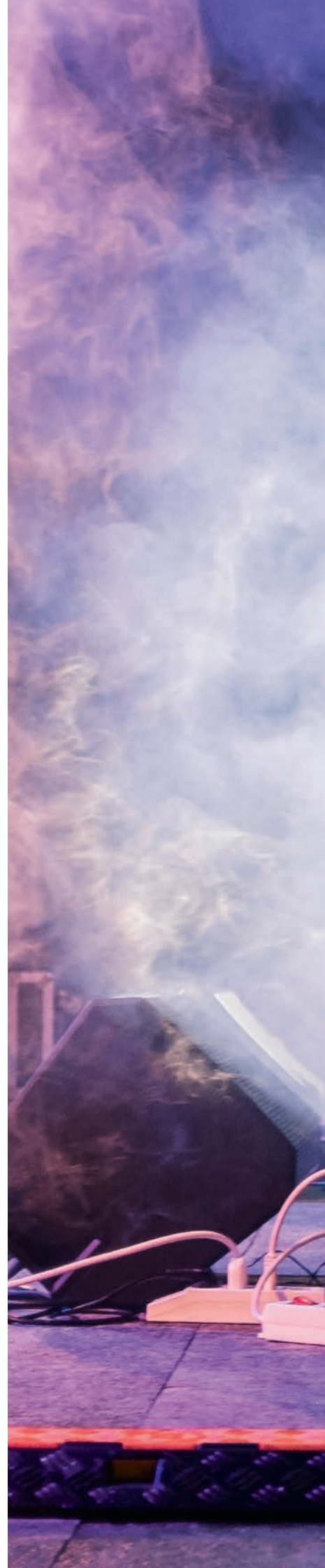
- 1 x large diaphragm condenser microphone ECMS-70
- 1 x microphone pop filter KM-23956
- 1 x microphone floor stand MS-12
- 1 x XLR cable MECN-200/SW, 2 m, NEUTRIK connectors
- 1 x 1-channel USB recording interface MX-110

For additional specifications, please refer to individual items.



AUDIO TOOLS

Sometimes it is those little helpers and practical tools that make the difference between an undefined sound mush and a crystal clear sound. Our audio tools not only give you maximum flexibility on stage, in the studio or rehearsal room, you will also get the best out of your setup.





TOOLS

DIB-100

Order No. 0241140

DI box

- 3-fold attenuation switch (0/-20/-40 dB)
- Ground lift switch
- Instrument feed-through output
- Wideband balancing transformer
- Robust metal housing

Model	DIB-100
Frequency range	15-30,000 Hz
Input impedance	50 k Ω
Output impedance	600 Ω (bal.), 50 k Ω (unbal.)
Gain	0/-20/-40 dB
Transmission ratio	10:1
Dimensions	74 x 45 x 130 mm
Weight	560 g
Inputs	1 x 6.3 mm jack, unbal.
Outputs	1 x 6.3 mm jack, unbal., par. out XLR, bal.



DIB-102

Order No. 0247060

2-channel DI box

- 3-fold attenuation switch (0/-20/-40 dB) for each channel
- 1 ground lift switch for each channel
- 1 instrument feed-through output for each channel
- Wideband balancing transformer
- Robust metal housing

Model	DIB-102
Frequency range	15-30,000 Hz
Input impedance	50 k Ω
Output impedance	600 Ω , XLR 50 k Ω , jack
Transmission ratio	10:1
Dimensions	148 x 50 x 130 mm
Weight	755 g
Inputs	2 x 6.3 mm jack, unbal.
Outputs	2 x 6.3 mm jack, unbal., par. out 2 x XLR, bal.



FGA-102

Order No. 0251650

Professional stereo line transformer

- Prevents hum loops
- Galvanically isolated inputs and outputs
- Gold-plated RCA connections (600 Ω)
- Frequency range: 20-20,000 Hz
- Robust metal housing with very good shielding qualities, suitable for stage applications
- Dimensions: 125 x 55 x 75 mm
- Weight: 650 g



FGA-202

Order No. 0251660

Professional 2-channel line transformer

- Prevents hum loops
- 2 inputs via balanced comb. jacks XLR/6.3 mm (600 Ω)
- 2 galvanically isolated XLR outputs (600 Ω) with ground lift switch
- Frequency range: 20-20,000 Hz

- Robust metal housing with very good shielding qualities, suitable for stage applications
- Dimensions: 125 x 55 x 75 mm
- Weight: 650 g



LTR-102

Order No. 0241800

Line transformer

- Balanced and unbalanced inputs and outputs
- Output impedance can be switched from 1:1/600 Ω to 2:1/150 Ω
- Phase can be switched from 0° to 180°
- Ground lift switch
- Wideband balancing transformer
- Robust metal housing

Model	LTR-102
Frequency range	20-25,000 Hz
Input signal	5 V
Input impedance	600 Ω
Output impedance	600 Ω /150 Ω
Transmission ratio	1:1/2:1
Dimensions	120 x 44 x 90 mm
Weight	545 g
Inputs	1 x 6.3 mm jack, bal. 1 x XLR, bal.
Outputs	1 x 6.3 mm jack, bal. 1 x XLR, bal.



LC-31

Order No. 0251670

2-channel 2-way line combiner,

(4 inputs/2 outputs), e.g. for connecting 2 mixers to one amplifier.

- 1 galvanically isolated, balanced XLR input (600 Ω) with ground lift switch for each channel
- 1 balanced XLR direct input for each channel
- 1 balanced XLR output (600 Ω) for each channel

- Frequency range: 20-20,000 Hz
- Robust metal housing with very good shielding qualities, suitable for stage applications
- Dimensions: 160 x 55 x 85 mm
- Weight: 761 g



MC-31

Order No. 0251690

3-way microphone combiner, (3 inputs/1 output), for connecting 3 microphones to e.g. one microphone input of a mixer.

- Balanced XLR connections (200 Ω)
- Frequency range: 20-20,000 Hz



MPS-1

Order No. 0243790

Microphone splitter, for distributing one input signal to two outputs, e.g. monitor mixer and main mixer.

- Galvanically isolated output with ground lift switch and feed-through output



LSP-102

Order No. 0251680

2-channel 3-way line splitter, (2 inputs/6 outputs), e.g. for connecting one mixer to several amplifiers.

- 1 balanced XLR input (600 Ω) for each channel
- 2 galvanically isolated, balanced XLR outputs (600 Ω) with ground lift switch for each channel
- 1 balanced XLR direct output for each channel
- Frequency range: 20-20,000 Hz

- Robust metal housing with very good shielding qualities, suitable for stage applications
- Dimensions: 160 x 55 x 105 mm
- Weight: 909 g



LS-280/SW

Order No. 0202220

482 mm
19"

8-way line splitter

- 2 separate inputs
- Selectable operating modes:
 - 1. input A to 4 outputs,
 - input B to 4 outputs
 - 2. input A to 8 outputs

- XLR connection and gain control for each input and output
- Dual LED for indicating signal and peak for the inputs



LMS-808

Order No. 0202160

482 mm
19"

Microphone line mixer/line splitter

- Multifunctional device with three selectable operating modes:
 - Mixer operation
 - Line splitter operation
 - Level matching amplifier operation

- 6 mono input channels, each with switchable 12 V phantom power, pan pot, signal/clip LED and individual selection of the operating mode
- 2 mono line input channels, each with level control and signal/clip LED



SPR-6

Order No. 0210640

Stereo phono anti-distortion preamplifier acc. to RIAA, for connecting a turntable to the aux input or line input of a hi-fi system, a mixer or an amplifier, etc. Low hum effect due to metal case and supplied plug-in power supply.

Model	SPR-6
Frequency range	20-20,000 Hz
Input signal	5 mV/47 kΩ
Output signal	450 mV/100 kΩ
S/N ratio	> 50 dB
Power supply	via encl. plug-in power supply
Dimensions	67 x 37 x 121 mm
Weight	200 g



MPA-102

Order No. 0320650

1-channel low-noise microphone preamplifier, for mains operation or battery operation.

- 1 microphone input, XLR, bal.
- Gain control, 11 steps, 20-70 dB
- LED green/red for indicating operation/peak
- Phantom power +24 V, can be activated as required
- Switchable microphone phase
- Low cut: 100 Hz, high cut: 12 kHz, 12 dB/oct., switchable
- 1 preamplifier output
- 1 stereo line input
- 1 stereo line output
- Level control and pan pot for mixing the microphone signal to the stereo line channel

Model	MPA-102
Frequency range	20-20,000 Hz
Input sensitivity	0.3-150 mV, switchable
Input impedance	2.2 kΩ (mic) 10 kΩ (line)
Output signal	1-12 V (line, bal.) 1-6 V (line, stereo)
Output impedance	100 Ω
Gain	20-70 dB (mic) 0 dB (line)
Crossover frequency	100 Hz/-3 dB, 12 dB/oct. (low cut) 12 kHz/-3 dB, 12 dB/oct. (high cut)
Low cut	100 Hz
S/N ratio	> 66 dB, unweighted (mic) 80 dB, unweighted (line)
THD	< 0.01%
Power supply	via encl. plug-in power supply; alternatively 4 x 9 V battery
Dimensions	116 x 55 x 125 mm
Weight	978 g



MPA-202

Order No. 0320710

2-channel low-noise microphone preamplifier

- 2 microphone inputs, XLR, bal.
- Gain control, 11 steps, 20-70 dB
- 2 level controls ±5 dB
- LED green/red for indicating operation/peak
- Phantom power +12 V, can be activated as required
- Microphone phase, switchable for each channel
- Low cut: 15-240 Hz, continuously adjustable
- Subsonic filter 15 Hz, 18 dB/oct.
- 2 line outputs, XLR bal.
- 2 line outputs, RCA unbal.

Model	MPA-202
Frequency range	20-20,000 Hz
Input sensitivity	0.16-150 mV, switchable
Input impedance	4.4 kΩ (bal.) 2.2 kΩ (unbal.)
Output signal	1-14 V (line, bal.) 1-7 V (line, stereo)
Output impedance	100 Ω/600 Ω
Gain	15-75 dB
Crossover frequency	15-240 Hz, 6 dB/oct. (low cut), 15 Hz, 18 dB/oct. (subsonic)
Low cut	100 Hz
S/N ratio	> 68 dB, unweighted > 87 dB, weighted
THD	< 0.01%
Power supply	via encl. plug-in power supply
Dimensions	116 x 55 x 135 mm
Weight	980 g



MPR-1

Order No. 0212010

1-channel microphone preamplifier, with switchable phantom power.

- 1 microphone input, XLR, bal. or 6.3 mm jack, bal.
- Gain control: up to 50 dB max.
- Clip LED
- 30 V phantom power, can be activated as required

Model	MPR-1
Frequency range	10-30,000 Hz
Input signal	3.5 mV (XLR, bal.) 16 mV (jack, bal.)
Input impedance	10 kΩ
Output signal	1 V
Gain	50 dB (with bal. connection) 44 dB (with unbal. connection)
S/N ratio	58 dB
THD	0.1%
Power supply	via encl. plug-in power supply
Dimensions	113 x 92 x 40 mm
Weight	345 g



MPR-6

Order No. 0210680

Microphone preamplifier, for connecting up to 2 microphones to a line input of a hi-fi system, an amplifier or a mixer.

- Stereo or 2 x mono
- Wide frequency range
- Black metal case
- Supplied with plug-in power supply

Model	MPR-6
Frequency range	5-40,000 Hz
Input signal	2 mV/1 V output
Input impedance	10 kΩ
Output signal	max. 3.2 V/47 kΩ
Gain	53 dB
S/N ratio	63 dB
THD	0.05%
Power supply	via encl. plug-in power supply
Dimensions	67 x 37 x 121 mm
Weight	215 g



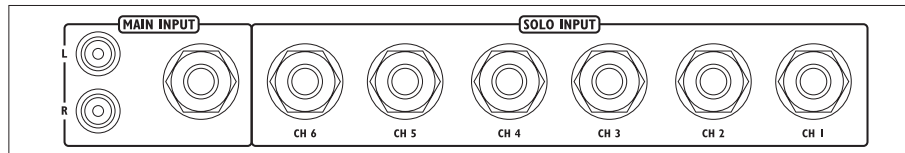
PPA-100/SW

Order No. 0244190



Stereo headphone amplifier

- 6 separate headphone amplifiers, each with 1 level control and 1 signal/clip LED as well as main/solo switching
- 1 input (solo) per amplifier, switchable to common main input (main)
- Main input with low/high selector switch for matching the input signal
- Inputs: solo (stereo) 6 x 6.3 mm jack, main (stereo) 2 x 6.3 mm jack, 2 x RCA L/R
- Outputs: headphones (stereo) 6 x 6.3 mm jack



Model	PPA-100/SW
Frequency range	5-30,000 Hz
Input signal	250 mV/50 kΩ (solo) 250 mV/50 kΩ (main low) 2.2 V/60 kΩ (main high)
Output signal	2 x 16 mW/8 Ω 2 x 45 mW/32 Ω 2 x 75 mW/600 Ω
S/N ratio	> 60 dB
Channel separation	50 dB
THD	0.02%
Power supply	~ 230 V/50 Hz/11 VA
Dimensions	482 x 44 x 185 mm, 1 RS
Weight	2.3 kg

PPA-4

Order No. 0243770

Stereo headphone amplifier

- 4 separate headphone amplifiers in one housing
- 1 level control each per amplifier
- 6.3 mm stereo input
- 6.3 mm stereo outputs

Model	PPA-4
Frequency range	20-20,000 Hz
Input signal	300 mV
Output signal	2 x 16 mW/8 Ω, 2 x 35 mW/32 Ω, 2 x 15 mW/600 Ω (per headphone)
S/N ratio	64 dB
THD	0.1%
Power supply	via encl. plug-in power supply
Dimensions	117 x 93 x 40 mm
Weight	560 g
Inputs	1 x 6.3 mm jack
Outputs	4 x 6.3 mm jack



HPR-6

Order No. 0244210

Efficient stereo headphone amplifier, can also be used as a small power amplifier for 4-8 Ω speaker systems

- Robust metal housing
- Stereo RCA input
- 6.3 mm stereo output
- Volume control and balance control

Model	HPR-6
Frequency range	19-40,000 Hz
Input signal	110 mV-4 V
Output signal	2 x 525 mW/2 x 1,500 mW/4 Ω, 2 x 330 mW/2 x 750 mW/8 Ω, 2 x 114 mW/2 x 200 mW/32 Ω
S/N ratio	69 dB
THD	1%
Power supply	via encl. plug-in power supply
Weight	288 g
Inputs	2 x RCA L/R
Outputs	1 x 6.3 mm jack



MD-6000

Order No. 0221260

DJ stereo headphones

- Closed system
- Turnable folding earpieces
- Padded ear cushions and headband
- 3 m helix cable with single-sided cable inlet
- Gold-plated 3.5 mm plug with 6.3 mm adapter

Model	MD-6000
Headphone driver	neodymium, Ø 50 mm
Type of transducer	dynamic
Max. input power	100 mW
Transmission range, headphones	20-22,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	110 dB/mW
Cable	3 m, single-sided cable inlet
Plug	3.5 mm plug, gold-plated
Adapter	6.3 mm plug, gold-plated
Weight w/o cable	280 g



MD-5000DR

Order No. 0220860

Stereo headphones, for applications with drums and in the studio.

- Perfectly closed system for suppressing ambient noise
- Good bass reproduction
- Extra secure fit
- Padded ear cushions

- 3 m helix cable with single-sided cable inlet
- Right-angle 3.5 mm plug, gold-plated, with thread for a secure connection to supplied 6.3 mm adapter

Model	MD-5000DR
Headphone driver	neodymium, Ø 40 mm
Type of transducer	dynamic
Max. input power	500 mW
Transmission range, headphones	10-20,000 Hz
Nominal impedance, headphones	32 Ω
Headphone sensitivity	105 dB/mW
Cable	3 m, single-sided cable inlet
Plug	3.5 mm plug, gold-plated
Adapter	6.3 mm plug, gold-plated
Weight w/o cable	365 g



MDH-6300

Order No. 0221090

Mono hand-held DJ headphone

- Powerful neodymium magnet driver Ø 50 mm
- Closed system
- Movable earpiece
- Padded ear cushion
- Ergonomic padded handle

- Removable helix connection cable (1.3-2.8 m) with latchable XLR inline jack and right-angle 6.3 mm stereo plug
- Supplied with transport bag

Model	MDH-6300
Headphone driver	neodymium, Ø 50 mm
Type of transducer	dynamic
Max. input power	3,500 mW
Transmission range, headphones	10-22,000 Hz
Nominal impedance, headphones	46 Ω
Headphone sensitivity	96 dB/mW
Cable	1.3-2.8 m
Plug	6.3 mm plug
Weight w/o cable	152 g



FLY-16R

Order No. 0259570

16-channel wireless PA audio receiver, with UHF PLL technology.

- For analogue wireless transmission of line audio signals in PA systems
- Frequency range: 823-832 MHz
- 16 pre-programmed channels, selectable
- Up to 8 intermodulation-free channels

- Multiple receivers FLY-16R can be operated via one transmitter FLY-16T
- Indication for channel and battery status
- Supplied with USB cable

Model	FLY-16R
Description	16-channel wireless PA audio receiver
Carrier frequency range	823-832 MHz
Audio frequency range	30-17,000 Hz
THD	0.3%
Power supply receiver	1 x 1.5 V batt. AA size, = 5 V/150 mA via micro USB jack
Dimensions receiver	22 x 23 x 102 mm
Weight receiver	25 g
Connections receiver	3-pole XLR plug



FLY-16T

Order No. 0259580

16-channel wireless PA audio transmitter, with UHF PLL technology.

- For analogue wireless transmission of line audio signals in PA systems
- Frequency range: 823-832 MHz
- 16 pre-programmed channels, selectable
- Up to 8 intermodulation-free channels

- Indication for channel and battery status
- Supplied with USB cable

Model	FLY-16T
Description	16-channel wireless PA audio transmitter
Carrier frequency range	823-832 MHz
Audio frequency range	30-17,000 Hz
THD	0.3%
Transmitting power	10 mW
Operating range	approx. 90 m
Power supply transmitter	1 x 1.5 V batt. AA size, = 5 V/150 mA via micro USB jack
Dimensions transmitter	22 x 23 x 116 mm
Weight transmitter	54 g
Connections transmitter	3-pole XLR jack



FLY-16SET

Order No. 0259854

16-channel wireless PA audio transmission set, with UHF PLL technology.

- Consisting of 16-channel wireless PA audio transmitter FLY-16T and 16-channel wireless PA audio receiver FLY-16R
- For analogue wireless transmission of line audio signals in PA systems
- Frequency range: 823-832 MHz
- 16 pre-programmed channels, selectable
- Up to 8 intermodulation-free channels
- Audio transmission range: 30-17,000 Hz
- Compact size
- For further specifications, please refer to individual items



There are restrictions or requirements in the EU!
Please read the notes on wireless systems in the section "IMPORTANT INFORMATION"!



DSP-26

Order No. 0255780



Digital speaker management system

- 2 analogue inputs and 6 analogue outputs (XLR, balanced)
- 64-bit DSP, sampling rate: 96 kHz
- Dynamic range: > 114 dB
- Latency: < 1 ms
- Routing fader for user-defined routing of the inputs to the outputs
- Graphic user interface, PC editing software
- 50 user presets can be stored
- Remote control via USB
- Dot matrix display with 2 x 16 characters
- VU meter with 8 LEDs for each channel, level display and peak
- 482 mm (19") rack installation, 1 RS

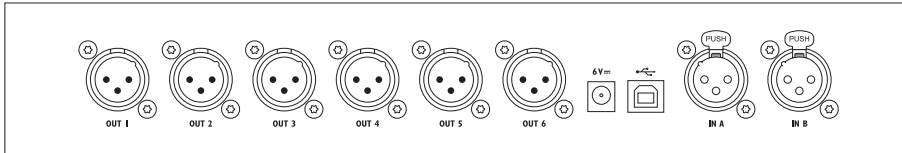
Input (data for each channel):

- Gain control: -48 dB to +12 dB

Output (data for each channel):

- Gain control: -48 dB to +12 dB
- 10 parametric equalizers with 8 types of filters each
- 2 crossover networks with Butterworth, Linkwitz-Riley and Bessel filters as well as individually adjustable types of filters from 6 to 24 dB/oct.
- Delay to be switched between time (ms) and distance (m): 5 ms max. in steps of 10 µsec or 1.71 m max in steps of 3.4 mm
- Limiter, threshold: from -48 dBu to +9 dBu
- Mute
- Routing mix for level adjustment via routing fader
- Selectable phase (invert, 180°)

Model	DSP-26
Frequency range	10-30,000 Hz
Input signal	≤ 10 V
Output signal	≤ 2 V
Crossover frequency	70 Hz-1 kHz, 12 dB/oct., 910 Hz-8 kHz, 12 dB/oct., subwoofer 80/120 Hz, 24 dB/oct.
S/N ratio	> 110 dB
THD	< 0.005%
Power supply	via encl. plug-in power supply
Dimensions	482 x 44 x 175 mm, 1 RS
Weight	1.56 kg



MFE-212

Order No. 0254520

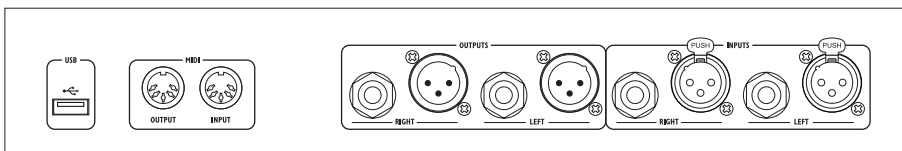


Stereo DSP feedback controller

- Prevents acoustic feedback appearing in PA systems
- 12 steep-edged precision notch filters for each stereo channel
- Editable filter parameters (supplied with software)
- 4 factory presets, 16 user presets
- Mono operation or 2-channel operation possible
- AD/DA resolution: 24 bits
- 45 dB attenuation (with gradual reduction in variable mode)
- Optionally continuous signal monitoring (auto notch) or manual setting of the required filters (manual notch)
- Backlit 2 x 20 dot matrix display

- Adjustable input level and output level
- Bypass function
- Clip LED
- Balanced inputs and outputs: XLR and 6.3 mm jack
- USB port (Type-A)
- MIDI input and output
- 482 mm (19") rack installation, 1 RS

Model	MFE-212
Frequency range	20-20,000 Hz
Input signal	2.2 V max.
Output signal	2.2 V max.
S/N ratio	> 90 dB
THD	< 0.01%
Power supply	~ 230 V/50 Hz/20 VA
Dimensions	482 x 44 x 193 mm, 1 RS
Weight	2 kg





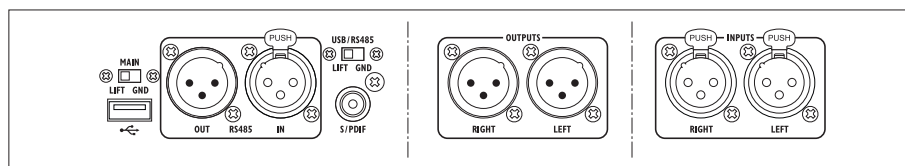
DEQ-230

Order No. 0254500



Digital parametric/graphic 2 x 30 band stereo equalizer

- 2 inputs and 2 outputs (XLR, balanced)
- S/PDIF digital input, stereo
- Dynamic range: > 110 dB
- User-defined routing of the inputs to the outputs
- Graphic user interface, PC editing software
- 24 user presets can be stored
- Remote control via USB, RS-485
- Dot matrix display with 2 x 20 characters
- VU meter with 7 LEDs for each channel, optionally for level display or limiter



Model	DEQ-230
Frequency range	20-20,000 Hz
S/N ratio	> 110 dB
THD	< 0.005%
Power supply	~ 230 V/50 Hz/42 VA
Dimensions	482 x 44 x 230 mm, 1 RS
Weight	2.84 kg



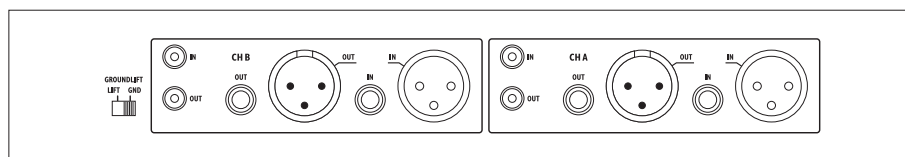
MEQ-115/SW

Order No. 0244350



Graphic equalizer

- 2-channel version, 2 x 15 frequency controls in 2/3 octave steps
- Switchable control range $\pm 6/\pm 12$ dB
- Peak LED
- Switchable low cut filter
- Master volume control
- Bypass switch and ground lift switch
- Frequency controls with centre click
- Inputs and outputs each via 2 x XLR and 2 x 6.3 mm jack



Model	MEQ-115/SW
Frequency range	20-20,000 Hz
Control range	switchable $\pm 6/\pm 12$ dB
Control frequencies	2 x 25/40/63/100/160/250/400/630 Hz/ 1/1.6/2.5/4/6.3/10/16 kHz
Input signal	0.775 V
Input impedance	50 k Ω
Output signal	0.775 V
Output impedance	600 Ω
Low cut	20 Hz/-3 dB
S/N ratio	66 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/10 VA
Dimensions	482 x 44.5 x 165 mm, 1 RS
Weight	2.5 kg



VU-800/SW

Order No. 0202250



Audio dB display

- 3-colour LED display with 40 LEDs
- Switchable display mode (dot display or bar graph display)
- Input level control for each channel
- 482 mm (19") rack installation, 1 RS
- Power is provided via enclosed power supply

Model	VU-800/SW
Display	-45 dB to +12 dB
Power supply	via encl. power supply
Dimensions	482 x 45 x 50 mm
Weight	795 g
Power supply	1 x low-voltage jack
Input, stereo	1 x RCA L/R
Output, stereo	1 x RCA L/R

Audio Tools

CD and MP3 Players

CD-292USB

Order No. 0212790



Professional dual DJ CD and MP3 player, with USB 2.0 interface and CDA technology.

- CDA technology allows for both drives to access the same medium
- USB storage media can be connected directly (e.g. USB hard disk, USB flash drive)
- Capable of multi-partition (NTFS, FAT, HFS+)
- Supports ID3 tags and CD text
- Supports play lists (M3U, XML, WPL)
- Anti-shock system (CDDA and MP3 CD)
- Pitch control: $\pm 8/\pm 16/\pm 100\%$
- Master tempo
- Pitch bending
- Seamless loop/reloop function
- Autoloop
- Loop editing and autoloop editing
- Scratch effect
- Automatic beat counter (switchable to manual)
- Speed search for tracks and folders

- Repeat folder
- Relay play
- Cue function
- 2-way hot cue
- Automatic cue
- Fader start
- Track programming, 99 tracks
- Folder navigation
- Jog dial
- Sleep mode
- Switchable display of the running time of one track as well as the remaining running time of one or all tracks
- 482 mm (19") rack installation
- Audio CD/CD-R/MP3 CD



Model	CD-292USB
Media	CD, MP3, USB
Frequency range	20-20,000 Hz
THD	< 0.1%
Channel separation	> 80 dB
Dynamic range	> 80 dB
S/N ratio	> 80 dB
Output, analogue	2 V
Power supply	~ 230 V/50 Hz/40 VA
Dim., player mech.	482 x 90 x 260 mm, 2 RS
Dim., control panel	482 x 90 x 85 mm, 2 RS
Weight	6.5 kg
Connections	2 x RCA L/R, 2 x 3.5 mm jack (fader start), 2 x cable, 8-pole mini DIN, length: 1.2 m (control connection)

CD-230USB

Order No. 0212990



Dual DJ CD and MP3 player, with USB 2.0 interface and SD/MMC card slot.

- USB flash drives can be connected directly
- For SD/MMC cards up to 32 GB (FAT16/FAT32), available at option
- Anti-shock system
- Seamless loop
- Supports ID3 tags (track display)
- Safe operation due to illuminated rubber buttons
- Pitch control: $\pm 4/\pm 8/\pm 16\%$
- Pitch bending
- Search for file/track
- Search function via jog dial
- Scratch function
- Repeat function (repeat 1, repeat all)
- 20 tracks can be programmed
- Smallest search step: 1 frame

- Switchable display of the running time of one track as well as the remaining running time of one or all tracks
- Bar graph display
- Quick start (automatic cue)
- 482 mm (19") rack installation
- Audio CD/CD-R/MP3 CD



Model	CD-230USB
Description	Dual DJ CD and MP3 player
Media	CD, MP3, USB, SD, MMC
Frequency range	20-20,000 Hz
THD	< 0.1%
Channel separation	> 80 dB
Dynamic range	> 90 dB
S/N ratio	> 80 dB
Output, analogue	2 V
Power supply	~ 230 V/50 Hz/30 VA
Dim., player mech.	482 x 90 x 270 mm, 2 RS
Dim., control panel	482 x 90 x 100 mm, 2 RS
Weight	5.9 kg
Connections	2 x RCA L/R, 2 x cable, 13-pole mini DIN, length: 1 m (control connection)

CD-196USB

Order No. 0212890



Professional DJ CD and MP3 player, with USB 2.0 interface, anti-shock system and remote control.

- USB storage media can be connected directly (e.g. USB hard disk, USB flash drive)
- Supports multi-partitions FAT16/FAT32, NTFS, HFS+
- Folder navigation
- ID3 tag analysis
- Supports playlists
- Pitch control: $\pm 8/\pm 16/\pm 100\%$
- Pitch bending
- Master tempo
- Search function via jog dial
- Scratch function
- Title programming for 99 tracks
- Smallest search step: 1 frame

- Automatic or manual beat counter, switchable
- Switchable display of the running time of one track as well as the remaining running time of one or all tracks
- Bar graph display
- Quick start (automatic cue)
- Fader start
- Digital output, coaxial
- 482 mm (19") rack installation
- Supplied with infrared remote control
- Audio CD/CD-R/MP3 CD



Model	CD-196USB
Media	CD, MP3, USB
Frequency range	20-20,000 Hz
THD	< 0.1%
Channel separation	> 75 dB
Dynamic range	> 80 dB
S/N ratio	> 75 dB
Output, analogue	2 V
Output, digital, U _{pp}	0.5 V (S/PDIF)
Power supply	~ 230 V/50 Hz/15 VA
Dimensions	482 x 90 x 270 mm, 2 RS
Weight	4.4 kg
Connections	1 x RCA L/R, 1 x RCA (S/PDIF), 1 x 3.5 mm jack (fader start)

DJP-200USB

Order No. 0211460



Stereo hi-fi turntable with USB port and integrated phono preamplifier

- USB port (Type-B) for high-quality and convenient digitalisation of analogue vinyl records via PC
- Stereo line output via RCA jacks
- Belt drive
- Magnet system
- Metal pick-up arm and diecast aluminium turntable platter with rubber slipmat
- 2 speeds
- Auto-stop function, switchable
- Smoked acrylic glass cover, removable



Model	DJP-200USB
Turntable platter	Ø 332 mm, diecast aluminium
Speeds	33 $\frac{1}{3}$ /45 rpm
Starting torque	0.3 kg/cm
Wow and flutter	< 0.3%
Power supply	~ 230 V/50 Hz/20 VA
Dimensions	450 x 152 x 352 mm
Weight	3.2 kg
Outputs	1 x RCA L/R USB Type-B jack

DJP-104USB

Order No. 0212160



Stereo hi-fi turntable with USB port and integrated phono preamplifier

- USB port (Type-B) for high-quality and convenient digitalisation of analogue vinyl records via PC, adjustable USB audio level
- Stereo output via RCA jacks, switchable line/phono
- Belt drive with quick start system
- Magnet system
- 2 speeds
- Pitch control: $\pm 16\%$
- Metal pick-up arm and plastic turntable platter with felt slipmat
- Smoked acrylic glass cover, removable



Model	DJP-104USB
Turntable platter	Ø 298 mm, plastic
Speeds	33 $\frac{1}{3}$ /45 rpm
Pitch control	$\pm 16\%$
Starting torque	0.3 kg/cm
Starting time	< 0.8 s
Wow and flutter	< 0.15%
Rumble	-40 dB unweighted, -55 dB weighted
Power supply	~ 230 V/50 Hz/15 VA
Dimensions	430 x 115 x 350 mm
Weight	2.9 kg
Outputs	1 x RCA L/R USB Type-B jack

DJP-106SD

Order No. 0212520



Stereo hi-fi turntable with USB port, SD card slot and integrated phono preamplifier

Simply insert USB storage device or SD card and save track of an album as MP3 file, no PC required.

- USB port (Type-A) for convenient digitalisation of analogue vinyl records
- Recording and reproduction in MP3 format via optional USB storage medium (e.g. USB hard disk, USB flash drive) or SD card
- Automatic level adjustment during recording onto a USB medium
- Supports SD/SDHC cards up to 16 GB, available at option
- Stereo line output via RCA jacks
- Manual track split function
- Belt drive

- Magnet system
- 2 speeds
- Metal pick-up arm and plastic turntable platter with rubber slipmat
- LCD
- Smoked acrylic glass cover, removable



Model	DJP-106SD
Turntable platter	Ø 298 mm, plastic
Speeds	33 $\frac{1}{3}$ /45 rpm
Starting torque	0.3 kg/cm
Wow and flutter	< 0.25%
Power supply	~ 230 V/50 Hz/10 VA
Dimensions	420 x 115 x 355 mm
Weight	3.3 kg
Outputs	1 x RCA L/R USB Type-A jack

PA SYSTEMS

With a PA system from IMG STAGELINE, you can rely on tried and tested event technology which provides an impressive performance and reliability. No matter whether you are performing with your band, hosting a show or playing as a DJ, our PA systems are always designed to meet the highest requirements. We provide everything for your music system, so that your event is filled with a perfect sound.





KEY ELEMENTS OF A SPEAKER

PA Amplifiers

Analogue Amplifiers

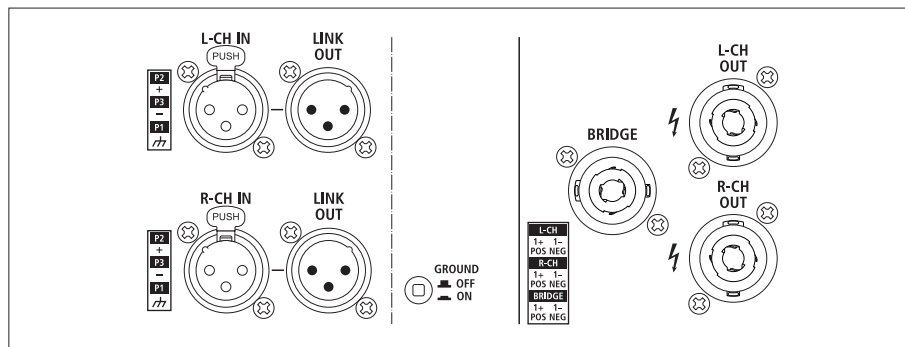
STA-2200DSP

Order No. 0259520



Stereo PA amplifier, with DSP technology.

- Operating mode (stereo, parallel or bridged), crossover network, delay, compressor and limiter adjustable via DSP
- DSP can be programmed via USB
- Temperature-controlled fans
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, signal and limiter



Model	STA-2200DSP
Peak output power	4,000 W
Power rating	2,200 W
Power rating at 4 Ω	2 x 1,200 W
Power rating at 8 Ω	2 x 750 W
Power rating with 8 Ω bridged operation	1 x 2,200 W
Inputs	1 V/20 kΩ (bal.) 1 V/10 kΩ (unbal.)
Frequency range	20-20,000 Hz
S/N ratio	≥ 90 dB
Crosstalk attenuation	> 55 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/3,400 VA
Dimensions	483 x 88 x 496 mm, 2 RS
Weight	21 kg

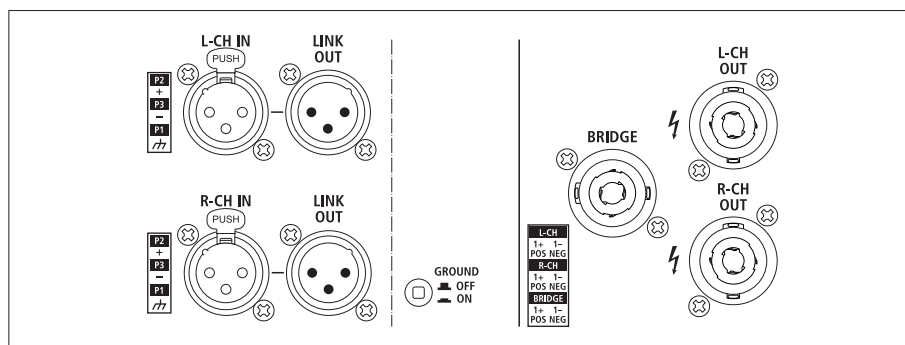
STA-1600DSP

Order No. 0259510



Stereo PA amplifier, with DSP technology.

- Operating mode (stereo, parallel or bridged), crossover network, delay, compressor and limiter adjustable via DSP
- DSP can be programmed via USB
- Temperature-controlled fans
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, signal and limiter



Model	STA-1600DSP
Peak output power	2,700 W
Power rating	1,600 W
Power rating at 4 Ω	2 x 800 W
Power rating at 8 Ω	2 x 500 W
Power rating with 8 Ω bridged operation	1 x 1,600 W
Inputs	1 V/20 kΩ (bal.) 1 V/10 kΩ (unbal.)
Frequency range	20-20,000 Hz
S/N ratio	≥ 90 dB
Crosstalk attenuation	> 55 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/2,600 VA
Dimensions	483 x 88 x 430 mm, 2 RS
Weight	16 kg

STA-3000

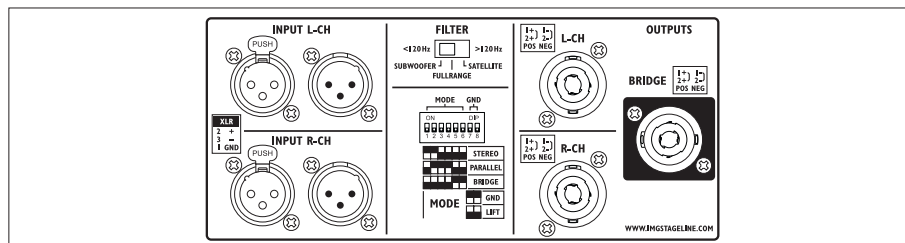
Order No. 0250500



Professional stereo PA amplifier, with integrated crossover network and limiter.

- 2 Ω stable
- Class H technology with performance-optimised power supply technology
- LCD for indicating temperature, operating mode, protective function
- Integrated crossover network: 120 Hz, 24 dB/oct., switchable subwoofer, full range or satellite operation
- 3 operating modes can be selected (stereo, parallel or bridged)
- Temperature-controlled fans
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs

- Each channel with LEDs for indicating operating voltage, level and limiter
- NEUTRIK SPEAKON connections
- Supplied with mains cable



Model	STA-3000
Peak output power	5,500 W
Power rating at 2 Ω	2 x 1,250 W
Power rating at 4 Ω	2 x 1,500 W
Power rating at 8 Ω	2 x 1,000 W
Power rating with 4 Ω bridged operation	1 x 2,500 W
Power rating with 8 Ω bridged operation	1 x 3,000 W
Inputs	1 V/20 kΩ
Frequency range	20-20,000 Hz
Crossover frequency	120 Hz
S/N ratio	> 100 dB
Crosstalk attenuation	> 60 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/5,000 VA
Dimensions	482 x 132 x 519 mm, 3 RS
Weight	32 kg

STA-2200

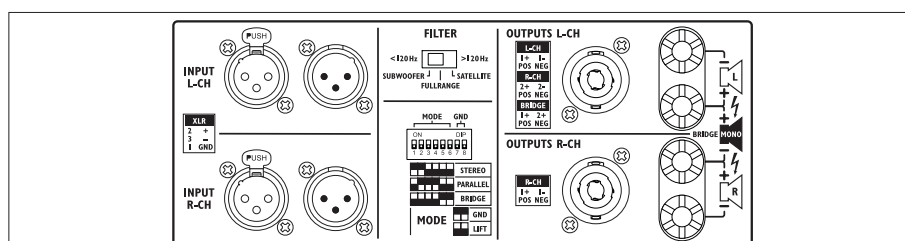
Order No. 0250490



Professional stereo PA amplifier, with integrated crossover network and limiter.

- 2 Ω stable
- Class H technology with performance-optimised power supply technology
- LCD for indicating temperature, operating mode, protective function
- Integrated crossover network: 120 Hz, 24 dB/oct., selectable: subwoofer, full range or satellite operation
- 3 operating modes can be selected (stereo, parallel or bridged)
- Temperature-controlled fans
- 2 level controls
- Ground lift function
- Speaker switch-on delay

- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, level and limiter
- NEUTRIK SPEAKON connections



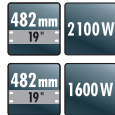
STA-2200 is equipped with a POWERCON jack and supplied with suitable mains cable AAC-115P. The amplifier can be operated at a 2 Ω load, the protective circuits are designed accordingly. The stated 2 Ω performance values must not be exceeded, otherwise the thermal protective circuit will be activated.

Model	STA-2200
Peak output power	4,000 W
Power rating at 2 Ω	2 x 750 W
Power rating at 4 Ω	2 x 1,100 W
Power rating at 8 Ω	2 x 700 W
Power rating with 4 Ω bridged operation	1 x 1,500 W
Power rating with 8 Ω bridged operation	1 x 2,000 W
Inputs	1 V/20 kΩ
Frequency range	20-20,000 Hz
Crossover frequency	120 Hz
S/N ratio	> 100 dB
Crosstalk attenuation	> 60 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/3,600 VA
Dimensions	482 x 88 x 479 mm, 2 RS
Weight	22.5 kg



STA-1400

Order No. 0250480



STA-1000

Order No. 0250470



STA-600

Order No. 0250460

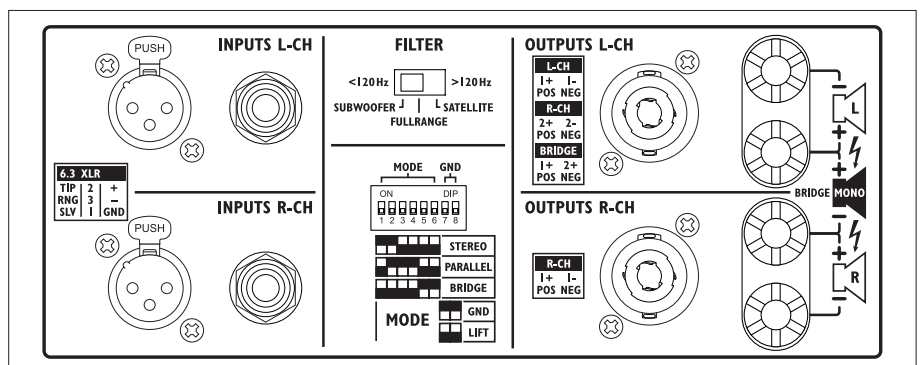


Professional stereo PA amplifiers, with integrated crossover network and limiter.

- LCD for indicating temperature, operating mode, protective function
- Integrated crossover network: 120 Hz, 24 dB/oct., selectable: subwoofer, full range or satellite operation
- 3 operating modes can be selected (stereo, parallel or bridged)
- Temperature-controlled fans
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, level and limiter
- NEUTRIK SPEAKON connections

STA-1400, STA-1000 and STA-600 are supplied with 3-pin IEC panel plugs and suitable mains cables.

Model	STA-1400	STA-1000	STA-600
Peak output power	2,100 W	1,600 W	1,000 W
Power rating at 4 Ω	2 x 700 W	2 x 500 W	2 x 300 W
Power rating at 8 Ω	2 x 450 W	2 x 350 W	2 x 200 W
Power rating with 8 Ω bridged operation	1 x 1,400 W	1 x 1,000 W	1 x 550 W
Inputs	1 V/20 kΩ	1 V/20 kΩ	1 V/20 kΩ
Frequency range	20-20,000 Hz	20-20,000 Hz	20-20,000 Hz
Crossover frequency	120 Hz	120 Hz	120 Hz
S/N ratio	> 95 dB	> 95 dB	> 95 dB
Crosstalk attenuation	> 60 dB	> 60 dB	> 60 dB
THD	< 0.1%	< 0.1%	< 0.1%
Power supply	~ 230 V/50 Hz/2,300 VA	~ 230 V/50 Hz/1,600 VA	~ 230 V/50 Hz/1,000 VA
Dimensions	482 x 88 x 418 mm, 2 RS	482 x 88 x 418 mm, 2 RS	482 x 88 x 418 mm, 2 RS
Weight	20 kg	15 kg	12.5 kg



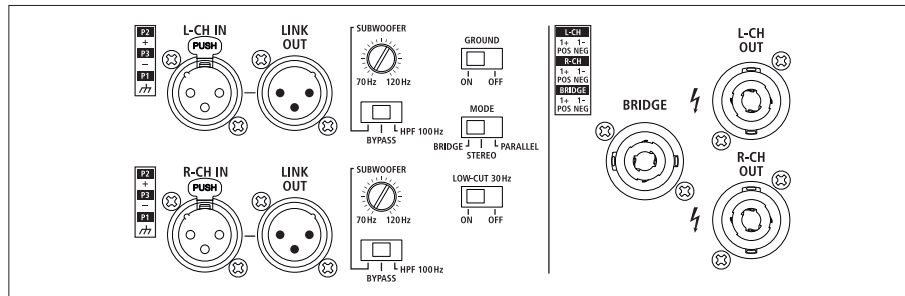
STA-1500A

Order No. 0259120



Stereo PA amplifier, with integrated limiter.

- 3 operating modes can be selected (stereo, parallel or bridged)
- Limiter function can be activated as required
- Temperature-controlled fan
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, signal and limiter
- NEUTRIK SPEAKON connections



Model	STA-1500A
Peak output power	2,100 W
Power rating at 4 Ω	2 x 700 W
Power rating at 8 Ω	2 x 550 W
Power rating with 8 Ω bridged operation	1 x 1,500 W
Inputs	1 V/10 kΩ
Frequency range	20-20,000 Hz
S/N ratio	77 dB
Crosstalk attenuation	> 60 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/2,725 VA
Dimensions	482 x 88 x 430 mm, 2 RS
Weight	15.5 kg

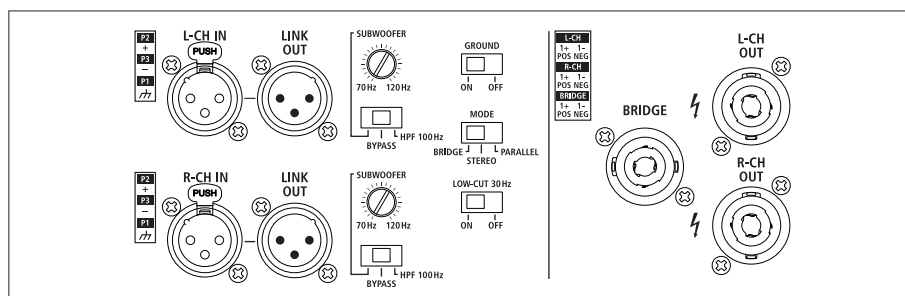
STA-900A

Order No. 0259110



Stereo PA amplifier, with integrated limiter.

- 3 operating modes can be selected (stereo, parallel or bridged)
- Limiter function can be activated as required
- Temperature-controlled fan
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, signal and limiter
- NEUTRIK SPEAKON connections



Model	STA-900A
Peak output power	1,300 W
Power rating at 4 Ω	2 x 450 W
Power rating at 8 Ω	2 x 330 W
Power rating with 8 Ω bridged operation	1 x 900 W
Inputs	1 V/10 kΩ
Frequency range	20-20,000 Hz
S/N ratio	84 dB
Crosstalk attenuation	> 60 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/1,850 VA
Dimensions	482 x 88 x 430 mm, 2 RS
Weight	13 kg

PA Amplifiers

Analogue Amplifiers

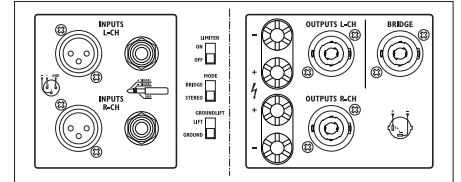
STA-235

Order No. 0253210



- Stereo PA amplifier**, with integrated limiter.
- LCD for indicating temperature, operating mode, power
 - 2 operating modes can be selected (stereo or bridged)
 - Limiter function can be activated as required
 - Temperature-controlled fans
 - 2 level controls
 - Ground lift function
 - Speaker switch-on delay
 - Protective circuit with LED indication for protection against short circuit and overheating
 - Each channel with LEDs for indicating overload, level and signal

Model	STA-235
Peak output power	1,400 W
Power rating at 4 Ω	2 x 500 W
Power rating at 8 Ω	2 x 400 W
Power rating with 8 Ω bridged operation	1 x 1,000 W
Inputs	1.2 V/10 kΩ
Frequency range	10-50,000 Hz
S/N ratio	> 80 dB
Crosstalk attenuation	> 50 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/2,000 VA
Dimensions	482 x 100 x 330 mm, 2 RS
Weight	11.5 kg



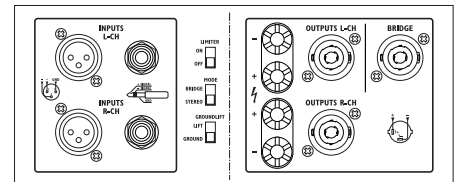
STA-225

Order No. 0253340



- Stereo PA amplifier, 1,000 W**, with integrated limiter.
- LCD for indicating temperature, operating mode, power
 - 2 operating modes can be selected (stereo or bridged)
 - Limiter function can be activated as required
 - Temperature-controlled fan
 - 2 level controls
 - Ground lift function
 - Speaker switch-on delay
 - Protective circuit with LED indication for protection against short circuit and overheating
 - Each channel with LEDs for indicating limiter, level and signal

Model	STA-225
Peak output power	1,000 W
Power rating at 4 Ω	2 x 350 W
Power rating at 8 Ω	2 x 250 W
Power rating with 8 Ω bridged operation	1 x 700 W
Inputs	1.3 V/10 kΩ
Frequency range	10-50,000 Hz
S/N ratio	> 80 dB
Crosstalk attenuation	> 50 dB
THD	< 0.1%
Power supply	~ 230 V/50 Hz/1,500 VA
Dimensions	482 x 100 x 330 mm, 2 RS
Weight	10.3 kg



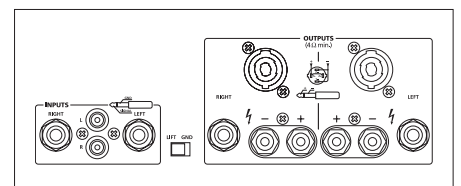
STA-700

Order No. 0244120



- Stereo PA amplifier**, for general applications.
- Fan cooling
 - 2 level controls
 - Ground lift switch
 - Speaker switch-on delay
 - Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
 - 1 LED per channel for indicating overload (clip)

Model	STA-700
Peak output power	800 W
Power rating at 4 Ω	2 x 275 W
Power rating at 8 Ω	2 x 200 W
Inputs	0.85 V/55 kΩ
Frequency range	10-20,000 Hz
S/N ratio	85 dB
Crosstalk attenuation	> 43 dB
THD	< 0.05%
Power supply	~ 230 V/50 Hz/1,100 VA
Dimensions	482 x 98 x 296 mm, 2 RS
Weight	9.4 kg



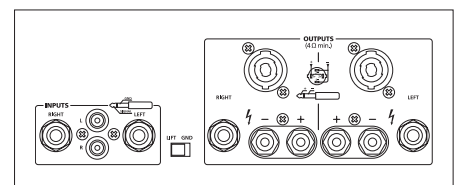
STA-500

Order No. 0243970



- Stereo PA amplifier**, for general applications.
- Fan cooling
 - 2 level controls
 - Ground lift switch
 - Speaker switch-on delay
 - Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
 - 1 LED per channel for indicating overload (clip)

Model	STA-500
Peak output power	600 W
Power rating at 4 Ω	2 x 200 W
Power rating at 8 Ω	2 x 125 W
Inputs	1.3 V/55 kΩ
Frequency range	10-20,000 Hz
S/N ratio	64 dB
Crosstalk attenuation	> 55 dB
THD	< 0.05%
Power supply	~ 230 V/50 Hz/730 VA
Dimensions	482 x 95 x 300 mm, 2 RS
Weight	6.6 kg



STA-2000D

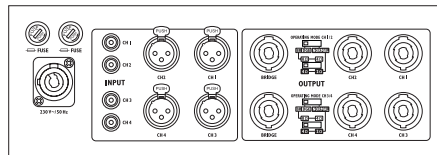
Order No. 0255220



4-channel class D PA amplifier, 2,400 W

- Class D concept with power amplifier modules from PASCAL
- Excellent acoustic performance
- Extra wide dynamic range with very low THD
- Excellent pulse response also in the bass range
- 482 mm (19") rack installation, 2 RS
- 2 or 4 channels in bridged mode
- 100 V line technique possible in bridged operation
- Silent operation due to temperature-controlled fans, only activated if temperature rises above 85 °C
- Lightweight design due to compact switch-mode power supply

- Energy-efficient concept due to a high efficiency
- 4 level controls
- Protected against short circuit, overtemperature, DC voltage at the output and overload



Model	STA-2000D
Peak output power	2,400 W
Power rating at 4 Ω	4 x 500 W
Power rating at 8 Ω	4 x 280 W
Power rating with 4 Ω bridged operation	2 x 1,000 W
Power rating with 8 Ω bridged operation	2 x 1,000 W
Inputs	1 V/10 kΩ (XLR, bal.), 1 V/5 kΩ (RCA)
Frequency range	20-20,000 Hz
S/N ratio	> 119 dBA
THD	< 0.05%
Power supply	~ 85-265 V/50 Hz/2,320 VA
Dimensions	482 x 89 x 335 mm, 2 RS
Weight	6.4 kg

STA-1000D

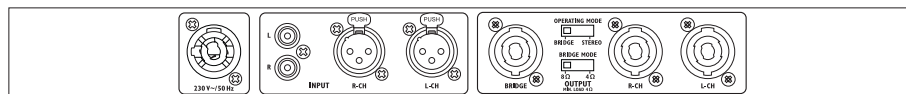
Order No. 0255210



Stereo class D PA amplifier, 1,200 W

- Class D concept with power amplifier modules from PASCAL
- Excellent acoustic performance
- Extra wide dynamic range with very low THD
- Excellent pulse response also in the bass range
- 482 mm (19") rack installation, 2 RS
- Silent operation due to temperature-controlled fans, only activated if temperature rises above 85 °C
- Lightweight design due to compact switch-mode power supply
- Energy-efficient concept due to a high efficiency
- 2 level controls
- Protected against short circuit, overtemperature, DC voltage at the output and overload

- LEDs for indicating power, signal, bridge, overload (clip), overheating and protect
- Bridged operation
- 100 V line technique possible in bridged operation
- Wide mains voltage range: ~ 85-265 V
- NEUTRIK POWERCON and SPEAKON connections



Model	STA-1000D
Peak output power	1,200 W
Power rating at 4 Ω	2 x 500 W
Power rating at 8 Ω	2 x 280 W
Power rating with 4 Ω bridged operation	1 x 1,000 W
Power rating with 8 Ω bridged operation	1 x 1,000 W
Inputs	1 V/10 kΩ (XLR, bal.), 1 V/5 kΩ (RCA)
Frequency range	20-20,000 Hz
S/N ratio	> 119 dBA
THD	< 0.05%
Power supply	~ 230 V/50 Hz/1,160 VA
Dimensions	482 x 89 x 335 mm, 2 RS
Weight	5 kg

STA-800D

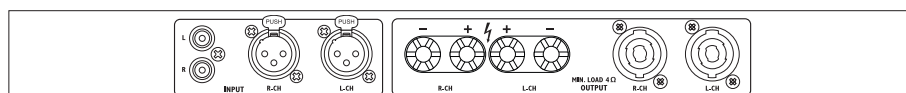
Order No. 0255200



Stereo class D PA amplifier

- Class D concept with power amplifier modules from HYPEx
- Silent operation due to temperature-controlled fans
- Lightweight design due to compact switch-mode power supply
- Energy-efficient concept due to a high efficiency
- High power reserves due to the application of two switch-mode power supplies

- Powerful bass reproduction due to large buffer capacitors (high power reserves)
- 2 level controls
- Protected against short circuit and overtemperature
- LEDs for indicating power, overload (clip) and protect
- Super slimline design
- NEUTRIK SPEAKON connections



Model	STA-800D
Peak output power	1,000 W
Power rating at 4 Ω	2 x 400 W
Power rating at 8 Ω	2 x 210 W
Inputs	1 V/10 kΩ (XLR, bal.), 1 V/4.7 kΩ (RCA)
Frequency range	20-20,000 Hz
S/N ratio	> 110 dBA
THD	< 0.004%
Power supply	~ 230 V/50 Hz/920 VA
Dimensions	482 x 52 x 298 mm, 1 RS
Weight	4 kg

PA Amplifiers

Class D PA Amplifiers

STA-400D

Order No. 0255190

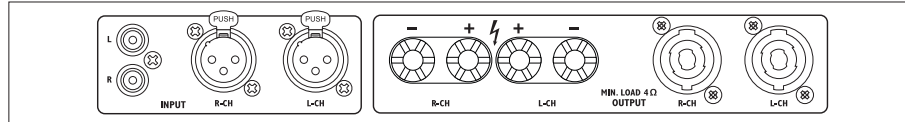
482mm
19"

700W



Stereo class D PA amplifier

- Class D concept with power amp. modules from HYPEX
- Silent operation due to temperature-controlled fans
- Energy-efficient concept due to a high efficiency
- Powerful bass reproduction due to large buffer capacitors (high power reserves)
- 2 level controls
- Protected against short circuit and overtemperature
- LEDs for indicating power, overload (clip) and protect
- NEUTRIK SPEAKON connections



Model	STA-400D
Peak output power	700 W
Power rating at 4 Ω	2 x 270 W
Power rating at 8 Ω	2 x 180 W
Inputs	1 V/10 kΩ (XLR, bal.), 1 V/4.7 kΩ (RCA)
Frequency range	20-20,000 Hz
S/N ratio	> 110 dBA
THD	< 0.02%
Power supply	~ 230 V/50 Hz/600 VA
Dimensions	482 x 52 x 277 mm, 1 RS
Weight	3.5 kg

STA-300D

Order No. 0257330

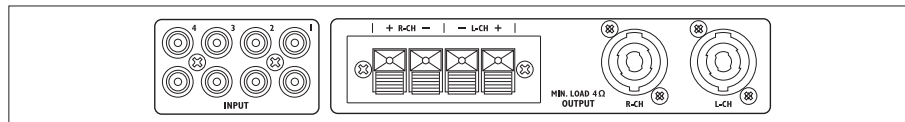
482mm
19"

350W



Stereo class D PA amplifier

- 2 operating modes can be selected (stereo or bridged)
- Limiter function can be activated as required
- 2 level controls
- Temperature-controlled fan
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating overload (clip) and signal



Model	STA-300D
Peak output power	350 W
Power rating at 4 Ω	2 x 150 W
Power rating at 8 Ω	2 x 100 W
Power rating with 8 Ω bridged operation	1 x 300 W
Inputs	1 V/12 kΩ
Frequency range	20-20,000 Hz
S/N ratio	> 96 dB
Crosstalk attenuation	> 70 dB
THD	< 0.05%
Power supply	~ 230 V/50 Hz/510 VA
Dimensions	482 x 52 x 290 mm, 1 RS
Weight	3.7 kg

STA-553D

Order No. 0257350

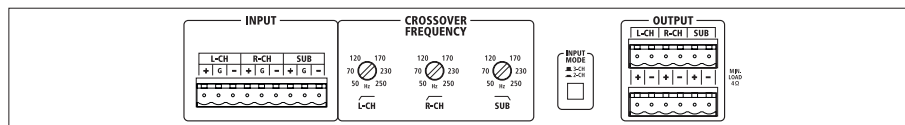
482mm
19"

600W



3-channel class D PA amplifier

- Adjustable crossover frequency for sat and sub
- 3 level controls
- Temperature-controlled fan
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating overload (clip) and signal



Model	STA-553D
Peak output power	600 W
Power rating at 4 Ω	2 x 150 W (satellite) 1 x 250 W (subwoofer)
Power rating at 8 Ω	2 x 100 W (satellite) 1 x 160 W (subwoofer)
Inputs	1.5 V/14 kΩ
Frequency range	20-20,000 Hz
Crossover frequency	50-250 Hz
S/N ratio	> 96 dB
Crosstalk attenuation	> 70 dB
THD	< 0.05%
Power supply	~ 230 V/50 Hz/800 VA
Dimensions	482 x 52 x 290 mm, 1 RS
Weight	4.5 kg

STA-500D

Order No. 0257340

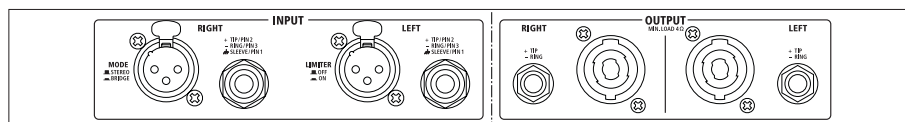
482mm
19"

600W



Stereo class D PA amplifier

- 2 operating modes can be selected (stereo or bridged)
- Limiter function can be activated as required
- 2 level controls
- Temperature-controlled fan
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating overload (clip) and signal



Model	STA-500D
Peak output power	600 W
Power rating at 4 Ω	2 x 250 W
Power rating at 8 Ω	2 x 150 W
Power rating with 8 Ω bridged operation	1 x 500 W
Inputs	1 V/12 kΩ
Frequency range	20-20,000 Hz
S/N ratio	> 96 dB
Crosstalk attenuation	> 70 dB
THD	< 0.05%
Power supply	~ 230 V/50 Hz/840 VA
Dimensions	482 x 52 x 290 mm, 1 RS
Weight	4.4 kg



PMX-122FX

Order No. 0202870



Powered mixer, 2 x 475 W, 4 Ω, with digital amplifier and 2 DSP effect units.

- Audio mixer and digital amplifier in a metal housing
- 12 mono input channels, each with gain control, 3-way equalizer with semiparametric midrange, low cut and pan pot
- 2 stereo input channels, each with gain control, 4-way equalizer and balance control
- 2 x DSP, each with 100 different effects, e.g. reverb, hall, echo and multi-effects
- Integrated, adjustable compressor/limiter
- Adjustable stereo aux return inputs and FX send outputs

- Control room function
- Inserts for mono input channels
- Tape record/play connections
- +48 V phantom power, can be activated as required for each input channel group
- Adjustable headphone output
- 7-band graphic equalizer
- Stereo LED level display
- Connection for gooseneck light GNL-304, GNL-305 or GNL-314

Model	PMX-122FX
Mic input	0.5 mV, bal., 12 x 3-pole XLR
Line input	8 mV, bal. (stereo), 2 x 6.3 mm jack L/R 2 mV, bal. (mono), 12 x 6.3 mm jack
Tape (play)	60 mV, 1 x RCA L/R
Aux input	60 mV, bal., 2 x 6.3 mm jack L/R
Insert input	80 mV, 12 x 6.3 mm jack
Master output	1.5 V, bal., 1 x 3-pole XLR L/R
Aux output	10 V, 4 x 6.3 mm jack
Control room	10 V, stereo, 1 x 6.3 mm jack
Tape (rec)	680 mV, 1 x RCA L/R
Headphones	≥ 8 Ω, 1 x 6.3 mm jack
Frequency range	20-20,000 Hz
THD	< 0.04%
S/N ratio	89 dB
Crosstalk	-63 dB
Equalizer bass	±15 dB/80 Hz
Equalizer midrange	±15 dB/100-8,000 Hz (mono channels) ±15 dB/500 Hz (stereo channels) ±15 dB/3 kHz (stereo channels)
Equalizer treble	±15 dB/12 kHz
Power supply	~ 230 V/50 Hz/1,250 VA
Dimensions	545 x 145 x 465 mm
Weight	10.5 kg



PMX-164

Order No. 0203150



Powered mixer, 70 W, 4 Ω

- Audio mixer and audio amplifier built into a wooden housing with black felt covering
- 5 mono input channels, each with gain control, 2-way tone control and effect control

- 1 mono input channel (stereo input) with gain control, 2-way tone control and effect control
- Integrated Bluetooth receiver
- Integrated MP3 player with USB port, SD card slot and illuminated LCD

Model	PMX-164
Mic input	1.5 mV, bal., 6 x 3-pole XLR
Line input	15 mV, bal., 5 x 6.3 mm jack, 85 mV, 1 x RCA L/R, 550 mV, 1 x 6.3 mm jack
Tape (play)	200 mV, 1 x RCA L/R
Monitor output	7.5 V, 1 x 6.3 mm jack (sub out)
Tape (rec)	550 mV, 1 x RCA L/R
Frequency range	20-20,000 Hz
THD	0.1%
S/N ratio	> 65 dBA
Equalizer bass	± 15 dB/80 Hz
Equalizer treble	± 15 dB/10 kHz
Power supply	~ 230 V/50 Hz/210 VA
Dimensions	400 x 220 x 230 mm
Weight	7 kg

- Adjustable digital delay
- Tape record and CD/tape play connections
- 5-band graphic equalizer
- Low-pass filter: 200 Hz, 6 dB/oct.
- Sub-out output for connecting an active subwoofer

C-RAY/8

Order No. 0255630



Active column PA speaker system with DSP, 800 W

- Compact full range system with bass-reflex subwoofer and two column modules
- 2 x 20 cm (8") bass speaker, 12 x 7.6 cm (3") full range speaker and 2 x 2.5 cm (1") tweeter in a closed cabinet
- 2-channel class D amplifier system with 2 x 400 W
- DSP-controlled functions for crossover network, equalizer and limiter
- Sound pressure at nominal power: 115 dB, music: 118 dB, peak: 122 dB
- 4-channel mixer
- Continuously adjustable sound characteristics
- Mono selector switch
- Indication of signal, limiter and clip
- Feed-through outputs, rec out and mix output
- High-quality wooden cabinet with protective metal grille
- No cables, components attached via twist-and-lock mechanism
- Supplied w/o protective cover set C-RAY/8BAG, available at option

Model	C-RAY/8
Total output power	800 W
Power rating (RMS)	DSP-controlled 400 W (200+200) bass: 200 W mid-high range: 200 W
Frequency range	50-20,000 Hz
THD	< 0.1%
S/N ratio	80 dB
Input signal	750 mV/22 kΩ (line), 20 mV/2 kΩ (mic, bal.), 40 mV/2 kΩ (comb.), 200 mV/22 kΩ (aux)
Number of speakers	16
Sensitivity	95 dB/W/m
Beam angle	hor. 120°, vert. 30°-90° var.
Power supply	~ 230 V/50 Hz/510 VA
Dimensions	250 x 1,730 x 400 mm
Weight	23 kg
Inputs	2 x comb. XLR/6.3 mm (line L/R) 1 x comb. XLR/6.3 mm (mic) 1 x comb. XLR/6.3 mm (combo) 1 x RCA (aux L/R) 1 x 3.5 mm jack (aux L/R)
Outputs	1 x RCA (rec out, L/R) 1 x XLR, par. out 1 x XLR, MIX out



C-RAY/8BAG

Order No. 0255690

Protective cover set, for C-RAY/8, consisting of a bag for the satellites and a bag for the subwoofer. With carrying handles and shoulder strap.



C-RAY/8EXT

Order No. 0255700

Intermediate piece, for C-RAY/8.

- Increases mounting height of column satellite modules by 57 cm
- No cables, components attached via twist-and-lock mechanism
- Dimensions: 85 x 605 x 107 mm
- Weight: 1.34 kg



PROTON-18NEO

Order No. 0250050



Compact professional active PA system, 2,300 W

- Subwoofer/satellite system with integrated 3-channel amplifier
- Lightweight due to the application of neodymium speakers and class D amplifier
- High-quality cabinets made of birch plywood (multiplex)
- Durable two-component PU coating
- High-performance bass-reflex subwoofer system with 46 cm (18", Faital) bass speaker
- 25 cm (10", Faital) midrange speaker providing a powerful sound and 25 mm (1") CD horn tweeter, constant directivity

- Adjustable volume balance between subwoofer and satellites
- Balanced (comb. XLR) and unbalanced (RCA) inputs and parallel outputs
- Limiter
- Stereo/mono selection, surround effect circuit
- Satellites can be stored in the subwoofer cabinet
- Supplied with speaker cables with NEUTRIK SPEAKON plugs
- Stand sleeve in the satellites

- Subwoofer with M20 mounting plate (recommended distance tube: KM-21367, available at option)
- 75 mm castors with brakes
- Protective cover

Supplied w/o stands.

Model	PROTON-18NEO
Total output power	2,300 W
Power rating (RMS)	800 W (SUB), 2 x 250 W (SAT)
Frequency range	30-20,000 Hz
S/N ratio	> 80 dB
Input signal	260 mV-7 V (line), 280 mV-7 V (line)
Number of speakers	5
Power supply	~ 230 V/50 Hz/2,750 VA
Dimensions	279 x 465 x 229 mm (satellite), 516 x 642 x 718 mm (subwoofer)
Weight	8 kg (satellite), 41 kg (subwoofer), 57 kg (system)
Inputs	2 x comb. XLR/6.3 mm (line), 1 x RCA L/R (Line)
Outputs	2 x XLR (bal), 1 x RCA L/R (unbal.), 2 x NEUTRIK SPEAKON, 8 Ω



PROTON-15MK2

Order No. 0250040



Compact professional active PA system, 1,200 W

- Subwoofer/satellite system with integrated 3-channel amplifier
- High-quality cabinets made of birch plywood (multiplex)
- Durable two-component PU coating
- High-performance bass-reflex subwoofer system with 38 cm (15") bass speaker
- 20 cm (8") midrange speaker providing a powerful sound and 25 mm (1") CD horn tweeter, constant directivity
- Adjustable volume balance between subwoofer and satellites

- Limiter and surround effect circuit
 - Satellites can be stored in the subwoofer cabinet
 - Supplied with speaker cables with NEUTRIK SPEAKON plugs (2 x 8 m)
 - Subwoofer with M20 mounting plate (recommended distance tube: KM-21367, available at option)
 - 75 mm castors with brakes, protective cover
- Supplied w/o stands.

Model	PROTON-15MK2
Total output power	1,200 W
Power rating (RMS)	400 W (SUB), 2 x 100 W (SAT)
Frequency range	34-20,000 Hz
S/N ratio	> 80 dB
Input signal	260 mV-7 V (line), 280 mV-7 V (line)
Number of speakers	5
Power supply	~ 230 V/50 Hz/1,270 VA
Dimensions	220 x 370 x 175 mm (satellite), 420 x 535 x 600 mm (subwoofer)
Weight	6 kg (satellite), 32 kg (subwoofer), 44 kg (system)
Inputs	2 x comb. XLR/6.3 mm jack (line), 1 x RCA L/R (line)
Outputs	2 x XLR (bal), 1 x RCA L/R (unbal.), 2 x NEUTRIK SPEAKON, 8 Ω



PA Speaker Systems and Speaker Systems

PA Speaker Systems

L-RAY/1000

Order No. 0252090



Professional PA speaker array (controlled by DSP software), active, 1,000 W

Compact array of high power capability with 4 mid-high range speaker units and a dual bass module, each section with its own 350 W power amplifier and controlling software (the configuration of the system is supported by a PC, but it operates as a stand-alone unit). Supplied with extensive and variable equipment for suspended mounting systems (Flyware). The mid-high range systems are each equipped with 2 x 10 cm (4") high-performance speakers and a magnetostatic speaker for a perfect reproduction rich in detail. The dynamic characteristics are absolutely convincing, at the same time the tonality at the basic setting is very pleasant. Despite its compact size, the bass module with 2 x 20 cm (8") bass speaker provides an amazingly deep bass reproduction and a high level stability which is only possible by using special bass speakers of very high power capability and the comprehensive DSP optimisation. The software allows the following adjustments (min. system requirement is a Windows PC only, WIN98 or higher, with CD drive and interface):

- Parametric equalizer (6 bands)
- Filters (high-pass or low-pass up to 36 dB/oct. with various characteristics)
- Level
- Compression and limiting
- Delay

Up to 10 L-RAY systems can be addressed via one RS-485 data bus. With the optional USB/RS-485 converter DA-70157, it is possible to connect a PC or laptop with USB interface to the serial RS-485 interface.

On delivery, the software of the system is matched to a perfect base linearity and can be used immediately. Otherwise, the software adjustments are extremely easy to do and sound engineers can even operate it intuitively.

The system is supplied with a robust mounting frame which is both suitable for suspended installation and for floor and stage applications. The array elements can be curved in 1° steps. The individual components are locked via quick-release pins. The mounting frame also allows for suspended installation of the array elements only, without the subwoofer.

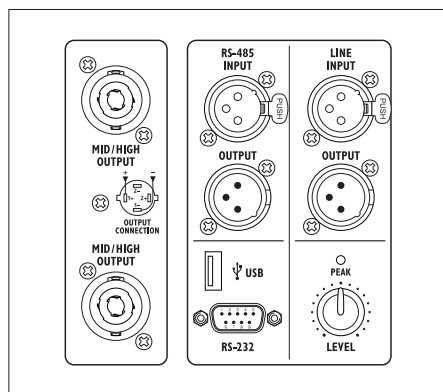
Furthermore, the array elements feature a connecting plate for a bracket for mounting it onto a stand. With the accessories LR-1000U and KM-21367, which are both available at option, the system also allows for a ground-stacked configuration. For this purpose, the subwoofer cabinet features a recessed M20 mounting plate.

The speaker cables with NEUTRIK SPEAKON connectors are in the scope of delivery and allow to connect the parts with each other and with the subwoofer.



Connection to the mains is done via a POWERCON jack, suitable mains cable AAC-115P is included in the delivery.

The robust wooden cabinets feature grilles and a durable structured coating. The L-RAY/1000 systems are a very high-quality solution for every PA application where both perfect tonality and perfect radiation across the room are required. The advantages of the system particularly take effect with fixed installations in clubs and discotheques as well as mobile stage applications of medium size. For larger PA applications, the use of several L-RAY in a cluster is recommended.



Model	L-RAY/1000
Total output power	1,000 W
Power rating (RMS)	700 W (350 W + 350 W)
Frequency range	50-25,000 Hz
THD	< 0.1%
S/N ratio	80 dB
Input signal	1-10 V/30 kΩ
Sensitivity	98 dB/W/m
Beam angle	hor. 120°, vert. 30°-90° var.
Power supply	~ 230 V/50 Hz/1,400 VA
Weight	47.88 kg
Inputs	XLR jack (line), NEUTRIK SPEAKON (speaker) PowerCon (power supply)
Outputs	XLR par. out (line), NEUTRIK SPEAKON par. out (speaker)

LR-1000U

Order No. 0254730

U-bracket

- This U-bracket allows for an upright installation (ground-stacked configuration) of the L-RAY/1000 system
- The mid-high range unit can be tilted by +/-15°

- Supplied with mounting and adjusting elements
- Ground-stacked configuration with L-RAY/1000 (recommended distance tube: KM-21367)
- To be mounted onto a stand



PAK-415

Order No. 0256050



Active power PA speaker system with 2-channel amplifier, 700 W

- Compact 15/2 full range system with robust plastic cabinet
- Modern amplifier system (bass: class D, tweeter: class A/B)
- Sound pressure at nominal power: 124 dB
- 4 selectable presets: normal, hi-fi, DJ and voice, switchable high-pass filter: 75 Hz
- MIC/LINE input, switchable

Model	PAK-415
Total output power	700 W
Power rating (RMS)	450 (350+100) W
Frequency range	40-20,000 Hz
Input signal	260 mV/10 kΩ (line), 2 mV/10 kΩ (mic)
Sensitivity	98 dB/W/m
Power supply	~ 230 V/50 Hz/550 VA
Dimensions	455 x 740 x 390 mm
Weight	18.7 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR, par. out



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PAK-412

Order No. 0256040



Active power PA speaker system with 2-channel amplifier, 700 W

- Compact 12/2 full range system with robust plastic cabinet
- Modern amplifier system (bass: class D, tweeter: class A/B)
- Sound pressure at nominal power: 124 dB
- 4 selectable presets: normal, hi-fi, DJ and voice, switchable high-pass filter: 75 Hz
- Mic/line input, switchable

Model	PAK-412
Total output power	700 W
Power rating (RMS)	450 (350+100) W
Frequency range	40-20,000 Hz
Input signal	260 mV/10 kΩ (line), 2 mV/10 kΩ (mic)
Sensitivity	98 dB/W/m
Power supply	~ 230 V/50 Hz/500 VA
Dimensions	405 x 670 x 340 mm
Weight	17.3 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR, par. out



PAK-410

Order No. 0256030



Active power PA speaker system with 2-channel amplifier, 500 W

- Compact 10/2 full range system with robust plastic cabinet
- Modern amplifier system (bass: class D, tweeter: class A/B)
- Sound pressure at nominal power: 121 dB
- 4 selectable presets: normal, hi-fi, DJ and voice, switchable high-pass filter: 75 Hz
- Mic/line input, switchable

Model	PAK-410
Total output power	500 W
Power rating (RMS)	300 (250+50) W
Frequency range	55-20,000 Hz
Input signal	260 mV/10 kΩ (line), 2 mV/10 kΩ (mic)
Sensitivity	97 dB/W/m
Power supply	~ 230 V/50 Hz/400 VA
Dimensions	340 x 560 x 290 mm
Weight	12 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR, par. out



PA Speaker Systems and Speaker Systems

PA Speaker Systems

WAVE-15A

Order No. 0259012



Active full range speaker system, 400 W

- Compact 15/2 full range bass-reflex system with plastic cabinet
- 38 cm (15") bass speaker and 25 mm (1") horn tweeter
- Integrated MP3 player with USB/SD slot
- Integrated 5-band equalizer for tone control
- Bluetooth receiver
- Balanced mic input via XLR jack or 6.3 mm jack
- Line input via RCA jack or XLR jack
- 2-way tone control for treble and bass

Model	WAVE-15A
Transmission method	wireless/cable
Total output power	400 W
Power rating (RMS)	250 W
Frequency range	50-20,000 Hz
Input signal	250 mV/7 kΩ (line, XLR, bal.), 150 mV/16 kΩ (line, RCA), 9.5 mV/0.8 kΩ (mic, XLR, bal.), 9.5 mV/0.8 kΩ (mic, 6.3 mm jack)
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Power supply	~ 230 V/50 Hz/410 VA
Dimensions	460 x 710 x 370 mm
Weight	18.5 kg



WAVE-12A

Order No. 0259011



Active full range speaker system, 350 W

- Compact 12/2 full range bass-reflex system with plastic cabinet
- 30 cm (12") bass speaker and 25 mm (1") horn tweeter
- Integrated MP3 player with USB/SD slot
- Integrated 5-band equalizer for tone control
- Bluetooth receiver
- Balanced mic input via XLR jack or 6.3 mm jack
- Line input via RCA jack or XLR jack
- 2-way tone control for treble and bass

Model	WAVE-12A
Transmission method	wireless/cable
Total output power	350 W
Power rating (RMS)	200 W
Frequency range	55-20,000 Hz
Input signal	250 mV/7 kΩ (line, XLR, bal.), 150 mV/16 kΩ (line, RCA), 9.5 mV/0.8 kΩ (mic, XLR, bal.), 9.5 mV/0.8 kΩ (mic, 6.3 mm jack)
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Power supply	~ 230 V/50 Hz/370 VA
Dimensions	390 x 610 x 340 mm
Weight	15 kg



WAVE-10A

Order No. 0259009



Active full range speaker system, 300 W

- Compact 10/2 full range bass-reflex system with plastic cabinet
- 25 cm (10") bass speaker and 25 mm (1") horn tweeter
- Integrated MP3 player with USB/SD slot
- Bluetooth receiver
- Balanced mic input via XLR jack or 6.3 mm jack
- Line input via RCA jack or XLR jack
- 2-way tone control for treble and bass

Model	WAVE-10A
Transmission method	wireless/cable
Total output power	300 W
Power rating (RMS)	150 W
Frequency range	60-20,000 Hz
Input signal	250 mV/7 kΩ (line, XLR, bal.), 150 mV/16 kΩ (line, RCA), 9.5 mV/0.8 kΩ (mic, XLR, bal.), 9.5 mV/0.8 kΩ (mic, 6.3 mm jack)
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Power supply	~ 230 V/50 Hz/270 VA
Dimensions	300 x 510 x 250 mm
Weight	9.5 kg



WAVE-08A

Order No. 0259008



Active full range speaker system, 150 W

- Compact 8/2 full range bass-reflex system with plastic cabinet
- 20 cm (8") bass speaker and 25 mm (1") horn tweeter
- Integrated MP3 player with USB/SD slot
- Bluetooth receiver
- Balanced mic input via XLR jack or 6.3 mm jack
- Line input via RCA jack or XLR jack
- 2-way tone control for treble and bass

Model	WAVE-08A
Transmission method	wireless/cable
Total output power	150 W
Power rating (RMS)	80 W
Frequency range	65-20,000 Hz
Input signal	250 mV/7 kΩ (line, XLR, bal.), 150 mV/16 kΩ (line, RCA), 9.5 mV/0.8 kΩ (mic, XLR, bal.), 9.5 mV/0.8 kΩ (mic, 6.3 mm jack)
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Power supply	~ 230 V/50 Hz/160 VA
Dimensions	260 x 420 x 210 mm
Weight	7 kg



WAVE-15P

Order No. 0259016



Passive full range speaker system, 500 W, 8 Ω

- Full range bass-reflex system
- Robust plastic cabinet
- 38 cm (15") bass speaker with steel basket
- 25 mm (1") horn tweeter, 34 mm (1 3/8") voice coil diameter
- PTC tweeter protection
- M8 threaded inserts at the top and bottom
- 2 x SPEAKER jack, in/out
- Stand sleeve

Model	WAVE-15P
Total power rating	500 W
Power rating (RMS)	250 W
Impedance	8 Ω
Frequency range	55-20,000 Hz
Sensitivity	96 dB/W/m
Beam angle	H: 90°/V: 60°
Dimensions	460 x 710 x 370 mm
Weight	16.5 kg



WAVE-12P

Order No. 0259015



Passive full range speaker system, 400 W, 8 Ω

- Full range bass-reflex system
- Robust plastic cabinet
- 30 cm (12") bass speaker with steel basket
- 25 mm (1") horn tweeter, 34 mm (1 3/8") voice coil diameter
- PTC tweeter protection
- M8 threaded inserts at the top and bottom
- 2 x SPEAKER jack, in/out
- Stand sleeve

Model	WAVE-12P
Total power rating	400 W
Power rating (RMS)	200 W
Impedance	8 Ω
Frequency range	55-20,000 Hz
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Dimensions	390 x 610 x 340 mm
Weight	12.5 kg



WAVE-10P

Order No. 0259014



Passive full range speaker system, 300 W, 8 Ω

- Full range bass-reflex system
- Robust plastic cabinet
- 25 cm (10") bass speaker with steel basket
- 25 mm (1") horn tweeter, 25 mm (1") voice coil diameter
- PTC tweeter protection
- M8 threaded inserts at the top and bottom
- 2 x SPEAKER jack, in/out
- Stand sleeve

Model	WAVE-10P
Total power rating	300 W
Power rating (RMS)	150 W
Impedance	8 Ω
Frequency range	60-20,000 Hz
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Dimensions	300 x 510 x 210 mm
Weight	8 kg



WAVE-08P

Order No. 0259013



Passive full range speaker system, 200 W, 8 Ω

- Full range bass-reflex system
- Robust plastic cabinet
- 20 cm (8") bass speaker with steel basket
- 25 mm (1") horn tweeter, 25 mm (1") voice coil diameter
- PTC tweeter protection
- M8 threaded inserts at the top and bottom
- 2 x SPEAKER jack, in/out
- Stand sleeve

Model	WAVE-08P
Total power rating	200 W
Power rating (RMS)	100 W
Impedance	8 Ω
Frequency range	65-20,000 Hz
Sensitivity	95 dB/W/m
Beam angle	H: 90°/V: 60°
Dimensions	260 x 420 x 210 mm
Weight	6 kg



PA Speaker Systems

PAB-515/BL

Order No. 0248250



Professional PA speaker system, 600 W, 8 Ω

- Full range system of high power capability and of very high efficiency
- Robust plastic cabinet
- 38 cm (15") bass speaker with diecast aluminium basket and coated cone
- 25 mm (1", 44 mm voice coil) horn tweeter
- Bass-reflex system
- High-quality crossover network
- Multi-purpose positioning and installation options
- M8 threaded inserts at the top and bottom
- 2 x NEUTRIK SPEAKON terminal, in/out
- Stand sleeve and ergonomic carrying handle

Model	PAB-515/BL
Total power rating	600 W
Power rating (RMS)	300 W
Impedance	8 Ω
Frequency range	45-18,500 Hz
Sensitivity	102 dB/W/m
Dimensions	450 x 670 x 345 mm
Weight	23 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON par. out



PAB-512/BL

Order No. 0248240



Professional PA speaker system, 500 W, 8 Ω

- Full range system of high power capability and of very high efficiency
- Robust plastic cabinet
- 30 cm (12") bass speaker with diecast aluminium basket and coated cone
- 25 mm (1", 44 mm voice coil) horn tweeter
- Bass-reflex system
- High-quality crossover network
- Multi-purpose positioning and installation options
- M8 threaded inserts at the top and bottom
- 2 x NEUTRIK SPEAKON terminal, in/out
- Stand sleeve and ergonomic carrying handle

Model	PAB-512/BL
Total power rating	500 W
Power rating (RMS)	250 W
Impedance	8 Ω
Frequency range	55-18,500 Hz
Sensitivity	102 dB/W/m
Dimensions	395 x 590 x 300 mm
Weight	18 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON, par. out



PAB-515BAG

Order No. 0251350

PAB-512BAG

Order No. 0251340

Protective covers for speaker systems

PAB-515BAG for professional speaker system

PAB-515/BL

PAB-512BAG for professional speaker system

PAB-512/BL

- Robust synthetic cloth on the outside with soft inner lining
- The cover can stay on during operation!
- Openings for cables, stand and handle; cover straps to be closed with hook and loop fastener or zip fastener
- Including plastic padding for the handle bar of the speaker system



PAB-215MK2

Order No. 0253850



High-power PA and DJ speaker system, 700 W, 8 Ω

- Full range system of a very high efficiency
- Cabinet made of a combination of MDF wood and plywood
- 38 cm (15") bass speaker with diecast aluminium basket
- 25 mm (1", 44 mm voice coil) horn tweeter
- Bass-reflex system
- High-quality crossover network
- Multi-purpose positioning and installation options
- M8 threaded inserts for suspended installation
- 2 x NEUTRIK SPEAKON terminal, in/out
- Stand sleeve and carrying handles

Model	PAB-215MK2
Total power rating	700 W
Power rating (RMS)	350 W
Impedance	8 Ω
Frequency range	45-20,000 Hz
Sensitivity	99 dB/W/m
Dimensions	470 x 770 x 440 mm
Weight	31.8 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON par. out



PAB-212MK2

Order No. 0253840



High-power PA and DJ speaker system, 500 W, 8 Ω

- Full range system of a very high efficiency
- Cabinet made of a combination of MDF wood and plywood
- 30 cm (12") bass speaker with diecast aluminium basket
- 25 mm (1", 44 mm voice coil) horn tweeter
- Bass-reflex system
- High-quality crossover network
- Multi-purpose positioning and installation options
- M8 threaded inserts for suspended installation
- 2 x NEUTRIK SPEAKON terminal, in/out
- Stand sleeve and carrying handles

Model	PAB-212MK2
Total power rating	500 W
Power rating (RMS)	250 W
Impedance	8 Ω
Frequency range	50-20,000 Hz
Sensitivity	98 dB/W/m
Dimensions	380 x 630 x 350 mm
Weight	22.4 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON par. out



PAB-210MK2

Order No. 0253830



High-power PA and DJ speaker system, 400 W, 8 Ω

- Full range system of a very high efficiency
- Cabinet made of a combination of MDF wood and plywood
- 25 cm (10") bass speaker with diecast aluminium basket
- 25 mm (1", 34 mm voice coil) horn tweeter
- Bass-reflex system
- High-quality crossover network
- Multi-purpose positioning and installation options
- M8 threaded inserts for suspended installation
- 2 x NEUTRIK SPEAKON terminal, in/out
- Stand sleeve

Model	PAB-210MK2
Total power rating	400 W
Power rating (RMS)	200 W
Impedance	8 Ω
Frequency range	65-20,000 Hz
Sensitivity	97 dB/W/m
Dimensions	330 x 520 x 300 mm
Weight	16.18 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON, par. out



PA Speaker Systems and Speaker Systems

PA Monitor Speaker Systems

FLAT-M200

Order No. 0259876



Active PA stage monitor speaker system, 300 W

- Flat and very compact full range system
- Fitted with 4 x 10 cm (FaitalPRO, 4 x 4") full range speaker with neodymium magnets
- Class D amplifier system
- Sound pressure at nominal power: 122 dB
- Indication of signal and limiter
- Volume control and tone control
- Balanced line/mic input and feed-through output
- High-quality multiplex wooden cabinet with protective metal grille
- 2 x M10 and 2 x M6 threaded inserts for stand adapter or mounting device
- Supplied with clamp for mounting, e.g. onto a microphone stand



Model	FLAT-M200
Total output power	300 W
Power rating (RMS)	200 W
Frequency range	70-20,000 Hz
Input signal	25 mV/28 kΩ (line, bal.), 6 mV/20 kΩ (mic, bal.)
Sensitivity	98 dB/W/m
Power supply	~ 230 V/50 Hz/356 VA
Dimensions	320 x 150 x 250 mm
Weight	4.11 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR link out



FLAT-M100

Order No. 0259590



Active PA stage monitor speaker system, 200 W

- Flat and very compact full range system
- Fitted with 2 x 10 cm (FaitalPRO, 2 x 4") full range speaker with neodymium magnets
- Class D amplifier system
- Sound pressure at nominal power: 116 dB
- Indication of signal and limiter
- Volume control and tone control
- Balanced line/mic input and feed-through output
- High-quality multiplex wooden cabinet with protective metal grille
- 2 x M10 and 2 x M6 threaded inserts for stand adapter or mounting device
- Supplied with clamp for mounting, e.g. onto a microphone stand



Model	FLAT-M100
Total output power	200 W
Power rating (RMS)	100 W
Frequency range	90-20,000 Hz
Input signal	16 mV/28 kΩ (line, bal.), 5 mV/20 kΩ (mic, bal.)
Sensitivity	97 dB/W/m
Power supply	~ 230 V/50 Hz/175 VA
Dimensions	265 x 120 x 192.5 mm
Weight	2.4 kg
Inputs	1 x comb. XLR/6.3 mm (line/mic)
Outputs	1 x XLR link out



FLAT-M200BAG

Order No. 0179260



Transport and protective bag

- Suitable for active PA stage monitor speaker system FLAT-M200
- Black, partly padded nylon version with zip fastener
- Carrying handle, rubber feet and lateral cable bag



FLAT-M100BAG

Order No. 0179030

Transport and protective bag

- Suitable for active PA stage monitor speaker system FLAT-M100
- Black, partly padded nylon version with zip fastener
- Carrying handle, rubber feet and lateral cable bag



PAK-312M/SW

Order No. 0257170



Universal active PA speaker system with DSP, 500 W

- Compact 12/2 full range bass-reflex system
- 30 cm (12") coaxial speaker system with 25 mm (1", 44 mm voice coil) horn tweeter
- DSP-controlled 2-channel amplifier system, bass: class D, tweeter: analogue
- 3 selectable presets: music, flat and low cut (120 Hz)
- High-quality cabinet made of multiplex wood with protective metal grille
- Integrated stand sleeve for multi-purpose positioning

Model	PAK-312M/SW
Power rating (RMS)	DSP-controlled, 370 W (300+70) bass: 300 W tweeter: 70 W
Frequency range	50-20,000 Hz
Input signal	500 mV/20 kΩ (line, bal), 7 mV/1 kΩ (mic, bal.)
Sensitivity	98 dB/W/m
Power supply	~ 230 V/50 Hz/510 VA
Dimensions	480 x 380 x 500 mm
Weight	19 kg
Inputs	2 x comb. XLR/6.3 mm (line/mic A, line B)
Outputs	2 x XLR, par. out, 1 x XLR MIX out



PAB-312M/SW

Order No. 0256020



High-power PA stage monitor, 500 W, 8 Ω

- High-performance 12/2 full range bass-reflex system
- 30 cm (12") coaxial speaker system with 25 mm (1", 44 mm voice coil) horn tweeter
- Consistent radiation pattern due to coaxial system
- Protective circuit for the tweeter
- High-quality cabinet made of MDF wood with robust protective metal grille
- Integrated stand sleeve and M10 threaded inserts

Model	PAB-312M/SW
Total power rating	500 W
Power rating (RMS)	250 W
Impedance	8 Ω
Frequency range	65-20,000 Hz
Sensitivity	98 dB/W/m
Dimensions	480 x 380 x 500 mm
Weight	18 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON, par. out



PAK-308M/SW

Order No. 0255110



Universal active PA speaker system with DSP, 500 W

- Compact 8/2 full range bass-reflex system
- 20 cm (8") coaxial speaker system with 25 mm (1", 44 mm voice coil) horn tweeter
- DSP-controlled 2-channel amplifier system, bass: class D, tweeter: analogue
- 3 selectable presets: music, flat and low cut
- High-quality cabinet made of multiplex wood with protective metal grille
- Supplied with mounting bracket and integrated stand sleeve

Model	PAK-308M/SW
Power rating (RMS)	DSP-controlled, 370 W (300+70) bass: 300 W tweeter: 70 W
Frequency range	60-20,000 Hz
Input signal	775 mV/20 kΩ (line, bal), 10 mV/20 kΩ (mic, bal.)
Sensitivity	97 dB/W/m
Power supply	~ 230 V/50 Hz/350 VA
Dimensions	340 x 303 x 379 mm
Weight	10.75 kg
Inputs	2 x comb. XLR/6.3 mm (line/mic A, line B)
Outputs	2 x XLR, par. out, 1 x XLR MIX out



PAB-308M/SW

Order No. 0255100



Universal PA speaker system, 300 W, 8 Ω

- Compact 8/2 full range bass-reflex system
- 20 cm (8") coaxial speaker system with 25 mm (1", 44 mm voice coil) horn tweeter
- High-quality cabinet made of birch plywood with metal protective grille
- Multi-purpose positioning and installation options, especially as a floor monitor
- Supplied with mounting bracket and integrated stand sleeve
- NEUTRIK SPEAKON terminal

Model	PAB-308M/SW
Total power rating	300 W
Power rating (RMS)	150 W
Impedance	8 Ω
Frequency range	80-20,000 Hz
Sensitivity	96 dB/W/m
Dimensions	340 x 303 x 379 mm
Weight	10 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON, par. out



PSUB-418AK

Order No. 0256060



Active power PA subwoofer, 1,000 W

- Compact and lightweight 46 cm (18") subwoofer with class D amplifier
- Cabinet made of birch plywood with stand sleeve, carrying handles and castors
- Bass-reflex system with sound pressure at nominal power: 127 dB
- Adjustable crossover frequency: 60-150 Hz, gain control, phase reversal switch
- Balanced inputs: comb. XLR/6.3 mm and parallel XLR outputs

Model	PSUB-418AK
Total output power	1,000 W
Power rating (RMS)	600 W
Frequency range	35-150 Hz
Input signal	1.5 V/55 kΩ
Sensitivity	97 dB/W/m
Power supply	~ 230 V/50 Hz/840 VA
Dimensions	560 x 660 x 600 mm (w/o castors)
Weight	38 kg
Inputs	comb. XLR/6.3 mm input (L/R)
Outputs	XLR: par. out (L/R)



PSUB-15AKA

Order No. 0254320



Active 2.1 PA subwoofer, 1,200 W

- Active bass-reflex subw. system with wooden cabinet
- Integrated 2.1 active module
- Power rating: SUB: 500 W, SAT: 2 x 150 W
- 38 cm (15") bass speaker of high power capability and long excursion
- Stereo line input and mic input with gain control
- Adjustable crossover frequency: 80-250 Hz
- 2-way tone control for bass and treble, balance
- Integrated limiter, clipping indication
- High-quality workmanship, integrated carrying handles

Model	PSUB-15AKA
Total output power	1,200 W
Power rating (RMS)	500 W (SUB), 2 x 150 W (SAT)
Frequency range	30-250 Hz
S/N ratio	> 74 dB
Input signal	880 mV-7 V (line) 30 mV (mic)
Power supply	~ 230 V/50 Hz/1,870 VA
Dimensions	600 x 500 x 580 mm
Weight	44 kg
Inputs	XLR L/R, bal. RCA L/R, unbal. 6.3 mm jack, unbal.
Outputs	RCA L/R NEUTRIK SPEAKON L/R (sat: > 150 Hz)

- Metal front grille, stand sleeve, rubber feet



PSUB-12AKA

Order No. 0254310



Active 2.1 PA subwoofer, 1,200 W

- Active bass-reflex subw. system with wooden cabinet
- Integrated 2.1 active module
- Power rating: SUB: 500 W, SAT: 2 x 150 W
- 30 cm (12") bass speaker of high power capability and long excursion
- Stereo line + mic input with gain control
- Adjustable crossover frequency: 80-250 Hz
- 2-way tone control for bass and treble, balance
- Integrated limiter, clipping display
- High-quality workmanship, incorporated carrying handles

Model	PSUB-12AKA
Total output power	1,200 W
Power rating (RMS)	500 W (SUB), 2 x 150 W (SAT)
Frequency range	30-250 Hz
S/N ratio	> 74 dB
Input signal	880 mV-7 V (line) 30 mV (mic)
Power supply	~ 230 V/50 Hz/1,870 VA
Dimensions	460 x 380 x 455 mm
Weight	28 kg
Inputs	XLR L/R, bal. RCA L/R, unbal. 6.3 mm jack, unbal.
Outputs	RCA L/R NEUTRIK SPEAKON L/R (sat: > 150 Hz)

- Metal front grille, stand sleeve, rubber feet



PSUB-18L

Order No. 0250420



Professional active subwoofer system, 800 W

- Professional high-performance subwoofer
- Band-pass cabinet with black textured coating
- Double ventilation
- 46 cm (18") bass speaker of long excursion
- High-power amplifier section with integrated limiter
- Fixed subsonic filter (25 Hz), gain control and variable active low-pass filter
- Phase reversal switch as well as various protective circuits
- Lateral carrying handles
- Stand sleeve at the top

Model	PSUB-18L
Total output power	800 W
Power rating (RMS)	400 W
Frequency range	35-150 Hz
Input signal	300 mV/20 kΩ (bal. line in)
Sensitivity	99 dB/W/m
Power supply	~ 230 V/50 Hz/1,000 VA
Dimensions	695 x 530 x 580 mm
Weight	46 kg
Inputs	input: XLR par. output: XLR

- Extra powerful sound with a good low limit frequency
- Excellent efficiency



MEGA-118SUBAK

Order No. 0090090



Premium professional active PA cabinet subwoofer, 1,500 W

- High-power active bass-reflex subwoofer system
- 46 cm (18", Faital) high-performance bass speaker
- Digital amplifier with high power reserves
- Cabinet made of high-quality and extensively reinforced premium birch plywood
- Durable two-component PU coating
- M20 mounting plate (recommended distance tube: KM-21367, available at option)

Model	MEGA-118SUBAK
Total output power	1,500 W
Power rating (RMS)	1,000 W
Frequency range	30-250 Hz
Input signal	480 mV/17 kΩ (XLR/6.3 mm, bal.)
Sensitivity	97 dB/W/m
Power supply	~ 230 V/50 Hz/3,050 VA
Dimensions	700 x 570 x 590 mm
Weight	51 kg
Inputs	comb. XLR/6.3 mm input L/R
Outputs	XLR: par. out L/R XLR: high-pass out L/R XLR: low-pass out NEUTRIK SPEAKON



MEGA-118SUB

Order No. 0090080



Premium professional PA cabinet subwoofer, 2,000 W, 8 Ω

- Subwoofer system
- Cabinet made of birch plywood
- Durable 2-component PU coating
- 46 cm (18", Faital) high-performance bass speaker with diecast aluminium basket
- Bass-reflex system
- 2 x NEUTRIK SPEAKON terminal, in/out
- Mounting holes for mounting optional castors

Model	MEGA-118SUB
Total power rating	2,000 W
Power rating (RMS)	1,000 W
Impedance	8 Ω
Frequency range	30-200 Hz
Sensitivity	97 dB/W/m
Dimensions	700 x 570 x 590 mm
Weight	46 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON

- M20 mounting plate (recommended distance tube: KM-21367, available at option)



MEGA-215DSP

Order No. 0090110



Premium professional active PA subwoofer with DSP, 2,400 W

- High-power active bass-reflex hybrid horn subwoofer system
- 2 x 38 cm (2 x 15", Faital) high-performance bass speaker
- 2 x PASCAL-S-PRO2 power amplifier module in bridge circuit
- 3-channel DSP, adjustments via Ethernet or USB, to be programmed as required via DSP control software or app

Model	MEGA-215DSP
Total output power	2,400 W
Power rating (RMS)	2,000 W
Frequency range	35-300 Hz
Input signal	XLR, bal. line, L/R
Sensitivity	98 dB/W/m
Power supply	~ 230 V/50 Hz/2,400 VA
Dimensions	1,050 x 500 x 650 mm
Weight	69 kg
Inputs	XLR: input L/R
Outputs	XLR: par. out L/R XLR: DSP out L/R



MEGA-215SUB

Order No. 0090100



Premium professional PA cabinet subwoofer, 4,000 W, 4 Ω

- High-power bass-reflex hybrid horn subwoofer system
- 2 x 38 cm (15", Faital) high-performance bass speaker
- Cabinet made of high-quality and extensively reinforced birch multiplex
- Durable and high-strength two-component PU coating
- Front grille with acoustic foam
- Transport cover for covering the front of the speaker cabinet

Model	MEGA-215SUB
Total power rating	4,000 W
Power rating (RMS)	2,000 W
Impedance	4 Ω
Frequency range	30-250 Hz
Sensitivity	98 dB/W/m
Dimensions	1,050 x 500 x 650 mm (w/o castors)
Weight	63 kg
Inputs	1 x NEUTRIK SPEAKON
Outputs	1 x NEUTRIK SPEAKON



COMPONENTS

The right cable, a suitable adapter, more storage space or simply useful helpers to make your everyday stage life easier: without the right accessories, your stage and audio setup is only worth half as much. That is why the components from MONACOR include really everything you need to optimise your equipment for your next performance.

The complete components portfolio can be found at: www.monacor.com





COMPLETE

HSE-310/SK

Order No. 0234120

Professional headband microphone, with cardioid polar pattern and a high-quality sound which is suitable for any vocal or speech application. Innovative design features ensure a maximum suppression of both the impact sound and structure-borne noise as well as an extra low acoustic feedback, very comfortable to wear. Beige version.

- Corrosion-resistant neckband, easy to clean
- Drip ring (protects cartridge from moisture)
- Unobtrusive and secure fit due to cable routing in neck area incl. strain relief and cable bending protection
- Stable positioning

Model	HSE-310/SK
Audio frequency range	50-18,000 Hz
Nominal impedance	2 k Ω
Sensitivity	2.3 mV/Pa
Max. sound pressure	120 dB
Power supply	1.5-9 V
Weight	18 g (w/o cable and plug)

- Microphone windshield
- External power supply, e.g. via phantom power supply adapter EMA-1 or EMA-300P
- 3-pole mini XLR inline jack, matches EMA-1 or pocket transmitters TXS-...HSE



HSE-200WP/BL

Order No. 0236370

Electret headband microphone, for fitness and aerobics.

- Splashproof
- Very comfortable to wear due to adjustable headband
- Secure fit even during strenuous applications, e.g. aerobics or spinning
- Back electret microphone cartridge with omnidirectional polar pattern
- Drip ring (additionally protects cartridge from moisture)
- Durable connection cable with textile sleeve

Model	HSE-200WP/BL
Audio frequency range	20-20,000 Hz
Nominal impedance	2 k Ω
Sensitivity	5.6 mV/Pa
Max. sound pressure	130 dB
Power supply	= 1.5-9 V
Weight	45 g

- 3-pole mini XLR inline jack for connection to an optional phantom power supply adapter (EMA-1, EMA-300P) or a pocket transmitter TXS-...HSE
- Rubber bushing for protecting the connector to be plugged into the pocket transmitter from moisture



HSE-140/SK

Order No. 0235530

Ultra-light headband microphone, for young artists.

- Small headband design, adjustable
- Omnidirectional polar pattern
- High-quality back electret cartridge
- 3-pole mini XLR connection
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Compatible with all TXS-...HSE pocket transmitters with 3-pole mini XLR connection

Model	HSE-140/SK
Audio frequency range	20-20,000 Hz
Nominal impedance	1 k Ω
Max. sound pressure	130 dB
Power supply	= 1.5-9 V
Weight	8 g

- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield



HSE-150A/SK

Order No. 0235160

Ultra-light headband microphone

- Omnidirectional polar pattern
- High-quality back electret cartridge
- Plug with latching device
- Supplied with adapters for the TXS-...HSE series (3-pole mini XLR) and pocket transmitters from JTS (4-pole mini XLR)
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Removable sweat-proof connection cable with 2.5 mm stereo plug (replacement connection cable: HSE-70C)
- Optional adapters allow application with devices from other manufacturers

Model	HSE-150A/SK
Audio frequency range	20-20,000 Hz
Nominal impedance	1 k Ω
Sensitivity	8 mV/Pa
Max. sound pressure	130 dB
Power supply	= 1.5-9 V
Weight	7 g

- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield



HSE-152A/SK

Order No. 0235170

Ultra-light headband microphone

- Cardioid polar pattern
- High-quality back electret cartridge
- Plug with latching device
- Supplied with adapters for the TXS-...HSE series (3-pole mini XLR) and pocket transmitters from JTS (4-pole mini XLR)
- Excellent feedback rejection
- Turning cartridge arm of adjustable length
- Drip ring (protects cartridge from moisture)
- Removable sweat-proof connection cable with 2.5 mm stereo plug (replacement connection cable: HSE-70C)

Model	HSE-152A/SK
Audio frequency range	20-20,000 Hz
Nominal impedance	1.5 k Ω
Sensitivity	1.8 mV/Pa
Max. sound pressure	130 dB
Power supply	\approx 1.5-9 V
Weight	7 g

- Optional adapters allow application with devices from other manufacturers
- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Microphone windshield



HSE-90

Order No. 0234070

Electret headband microphone

This microphone is the right choice for applications which require an excellent sound as well as an extra low acoustic feedback and a secure fit.

- Cardioid polar pattern for high back suppression
- Integrated and external windshield/pop noise head minimise noise from wind, breath and articulation
- Flexible cartridge support for reducing low impact sound
- Wide transmission range
- Extra stable positioning

Model	HSE-90
Audio frequency range	20-20,000 Hz
Nominal impedance	650 Ω
Sensitivity	10 mV/Pa
Max. sound pressure	120 dB
Power supply	\approx 1.5-9 V
Weight	25 g

- Movable gooseneck cartridge arm
- Temple rest
- Microphone windshield



HSE-110

Order No. 0232170

Headband microphones

- High-quality back electret cartridge
- Very linear frequency response, especially resistant to external sound due to its supercardioid polar pattern with high back suppression
- The power supply adapter EMA-1 or a respective power supply is required for operation

HSE-100: with stripped cable ends

HSE-110: with 3-pole mini XLR inline jack, matching

EMA-1 or a pocket transmitter TXS-...HSE

HSE-120: with 3.5 mm plug

Model	HSE-110
Audio frequency range	20-20,000 Hz
Nominal impedance	3 k Ω
Sensitivity	7 mV/Pa
Max. sound pressure	120 dB
Power supply	\approx 1.3-20 V
Weight	69 g



HSE-70A/SK

Order No. 0235190

Hyperlight miniature earband microphone

- Unobtrusive design with earlobe support
- Omnidirectional polar pattern
- Premium high-quality back electret cartridge
- Supplied with adapters for the TXS-...HSE series (3-pole mini XLR) and pocket transmitters from JTS (4-pole mini XLR)
- Removable sweat-proof connection cable with 2.5 mm stereo plug (replacement connection cable: HSE-70C)
- Drip ring (protects cartridge from moisture)
- Optional adapters allow the application with devices from other manufacturers

Model	HSE-70A/SK
Audio frequency range	20-20,000 Hz
Nominal impedance	2 k Ω
Sensitivity	5.6 mV/Pa
Max. sound pressure	140 dB
Power supply	\approx 0.8-5 V
Weight	6 g

- External power supply e.g. via phantom power supply adapter EMA-1 or EMA-300P
- Supplied with microphone windshield and bag



Components

Stage and Audio Accessories

ECM-501L/SK

Order No. 0233900

Electret tie clip microphone

- Unobtrusive fit due to beige miniature design
- High-quality microphone cartridge with omnidirectional polar pattern
- Removable clip
- 1.2 m connection cable with 3-pole mini XLR

Model	ECM-501L/SK
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	5.6 mV/Pa
Max. sound pressure	110 dB
Power supply	= 1.5-9 V
Dimensions	Ø 5 mm x 10 mm
Weight	5 g



ECM-500L/SK

Order No. 0233890

Electret tie clip microphone

- Unobtrusive fit due to beige miniature design
- High-quality microphone cartridge of omnidirectional characteristic
- Removable clip
- 1.2 m connection cable with 3.5 mm plug

Model	ECM-500L/SK
Audio frequency range	20-20,000 Hz
Nominal impedance	1 kΩ
Sensitivity	5.6 mV/Pa
Max. sound pressure	110 dB
Power supply	= 1.5-9 V
Dimensions	Ø 5 mm x 10 mm
Weight	5 g



ECM-402L

Order No. 0233520

Electret tie clip microphone, miniature version.

- Removable clip and 1.2 m connection cable
- 3-pole mini XLR inline jack for connection to an optional phantom power supply adapter (EMA-300P) or a pocket transmitter TXS-...HSE

Model	ECM-402L
Audio frequency range	70-15,000 Hz
Nominal impedance	1.5 kΩ
Sensitivity	7 mV/Pa
Max. sound pressure	120 dB
Power supply	via power supply adapter
Dimensions	Ø 7 mm x 22 mm
Weight	4 g



ECM-300L

Order No. 0232400

Electret lavalier microphone

- Extra compact version
- Phantom power via optional adapter EMA-300P
- With 6 m connection cable and tie clip

Model	ECM-300L
Audio frequency range	50-18,000 Hz
Nominal impedance	400 Ω
Sensitivity	4 mV/Pa
Max. sound pressure	120 dB
Power supply	via power supply adapter
Dimensions	Ø 9 mm x 21 mm
Weight	4 g



ECM-3003

Order No. 0230340

Electret tie clip microphone

- Excellent sound quality
- Microphone cartridge with omnidir. polar pattern
- Strong clip
- Power supply in the 3.5 mm plug
- 4 m connection cable
- Supplied w/o button cell battery LR-44

Model	ECM-3003
Audio frequency range	50-16,000 Hz
Nominal impedance	1 kΩ
Sensitivity	5.6 mV/Pa
S/N ratio	> 40 dB
Max. sound pressure	120 dB
Power supply	button cell 1.5 V (LR-44)
Dimensions	Ø 12 mm x 23 mm
Weight	70 g



ECM-821LT

Order No. 0235450

Electret tie clip microphone

- Microphone cartridge with cardioid polar pattern
- Removable clip
- 0.8 m connection cable with 3.5 mm plug, with latching device
- Microphone windshield

Model	ECM-821LT
Audio frequency range	50-16,000 Hz
Nominal impedance	680 Ω
Max. sound pressure	110 dB
Power supply	1.5-3 V
Dimensions	Ø 12 mm x 18 mm
Weight	20 g



LIGHT

Good sound is a must but only the right lighting makes your performance something special. With our spotlights, lighting effects and control units, you will always put your stage or event in the right light. Our new brand LEUCHTKRAFT stands for tried and tested technology on stage which is available at a moderate price, reliable and easy to operate.

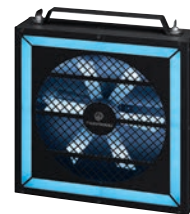
You can find the entire lighting range at:
www.monacor-webshop.com



FXBAR-5SET



PARC-100E/WWS



BLADE-116



RDMX-8

MS-92/SW

Order No. 0236160

Microphone floor stand, high-quality version. With movable boom of adjustable length and shock-absorbing folding feet. Thread: 9 mm (3/8").

- Mat black lacquered
- Adjustable boom length: 55-94 cm
- Adjustable height: 103-232 cm
- Storage dimensions: 10 x 105 cm
- Weight: 2.6 kg



MS-90/SW

Order No. 0233780

Microphone floor stand, high-quality version. With movable boom and shock-absorbing folding feet.

- Thread: 9 mm (3/8").
- Mat black lacquered
 - Boom length: 74 cm
 - Adjustable height: 105-213 cm
 - Storage dimensions: 11 x 98 cm
 - Weight: 2.58 kg



MS-60/SW

Order No. 0232930

Microphone floor stand, with movable boom of adjustable length and shock-absorbing folding feet.

- Thread: 16 mm (5/8") and 9 mm (3/8").
- Mat black lacquered
 - Adjustable boom length: 56-95 cm
 - Adjustable height: 106-242 cm
 - Storage dimensions: 10 x 98 cm
 - Weight: 2.5 kg



MS-50/SW

Order No. 0232920

Microphone floor stand, with movable boom and shock-absorbing folding feet. Thread: 16 mm (5/8") and 9 mm (3/8").

- Mat black lacquered
- Boom length: 72 cm
- Adjustable height: 99-225 cm
- Storage dimensions: 10 x 93 cm
- Weight: 2.4 kg



MS-40/SW

Order No. 0232900

Microphone floor stand, with pivoting boom and shock-absorbing folding feet. Thread: 16 mm (5/8") and 9 mm (3/8").

- Mat black lacquered
- Boom length: 72 cm
- Adjustable height: 95-210 cm
- Storage dimensions: 9 x 88 cm
- Weight: 1.88 kg



MS-20/SW

Order No. 0232870

Microphone floor stand, with movable boom of adjustable length and shock-absorbing folding feet. Thread: 9 mm (3/8").

- Mat black lacquered
- Adjustable boom length: 41-60 cm
- Height: 56 cm
- Storage dimensions: 10 x 56 cm
- Weight: 1.8 kg



KM-210/9

Order No. 0236240



- Microphone floor stand**, with movable boom of adjustable length and shock-absorbing folding feet.
Thread: 9 mm (3/8").
- Mat black lacquered
 - Adjustable boom length: 46-77 cm
 - Adjustable height: 90-160 cm
 - Weight: 3.1 kg



KM-259

Order No. 0236260



- Half-height microphone floor stand**, with movable boom of adjustable length and shock-absorbing folding feet.
Thread: 9 mm (3/8").
- Mat black lacquered
 - Adjustable boom length: 47-77 cm
 - Adjustable height: 43-64 cm
 - Weight: 2.05 kg



KM-26085

Order No. 0236270



- Microphone floor stand with one-hand height adjustment**, mat black lacquered, with shock-absorbing black diecast base (Ø 25 cm).
- Handle with soft-touch coating
 - Thread: 9 mm (3/8")
 - Adjustable height: 106-179 cm
 - Weight: 2.89 kg



MS-28

Order No. 0235440

- Microphone floor stand**, mat black lacquered, with shock-absorbing black diecast base (Ø 25 cm). Very robust and stable version.
- Thread: 9 mm (3/8")
 - Adjustable height: 88-156 cm
 - Weight: 4.5 kg



KM-101

Order No. 0254660



- Music stand**
- Black lacquered steel version
 - Folding for compact storage: 37 x 4.5 x 7 cm
 - Adjustable height: 65-122.5 cm
 - Music sheet holder: 44 x 21.5 cm
 - 2-fold telescopic tube combination
 - Tripod folding feet
 - Weight: 1.04 kg



MSS-20/SW

Order No. 0251530

- Professional music stand**
- Black lacquered stand and music sheet holder
 - Adjustable height: 102-153 cm
 - Tilttable music sheet holder, removable, dimensions: 49 x 34 cm
 - Total weight: 3.4 kg



PASSION

100



THE IMG MAGAZINE

Music is our passion and a good sound our craft. We love what we do and you should be able to participate. In our new magazine, you will therefore find exciting, interesting and curious things about life as a musician. We are reporting about obstacles and challenges experienced in day-to-day life on small and large stages all over the world, give helpful tips on technology, tools and equipment and particularly let those speak who it concerns most: the bands.

Come and experience our magazine at:
www.img-stageline.com/magazin

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KM-17515

Order No. 0259002



5 guitar stand, 'Guardian 5'.

- Multi-guitar stand for 5 acoustic guitars, electric guitars or electric bass guitars
- Flexible protective bars
- Translucent elastomer support elements are suitable for any guitar lacquer (including nitro lacquer)
- Guitars can be held from either side
- Integrated pick holder
- Space-saving design
- Can conveniently be carried due to folding mechanism



KM-17525

Order No. 0259001



5 guitar stand, 'Guardian 5'.

- Multi-guitar stand for 5 electric guitars or electric bass guitars
- Flexible protective bars
- Translucent elastomer support elements are suitable for any guitar lacquer (including nitro lacquer)
- Guitars can be held from either side
- Integrated pick holder
- Can conveniently be carried due to folding mechanism



KM-17650

Order No. 0259003



Guitar stand, 'Carlos'.

- Lightweight plastic construction for acoustic guitars or electric guitars
- Felt pads to protect guitars
- Neck lock (security lock) for securely holding the guitar
- Flat folding for easy transport
- Suitable for any guitar lacquer (including nitro lacquer)



KM-12190

Order No. 0259007



Laptop stand

- Easily assembled and disassembled
- High stability
- Lightweight
- Individually adjustable for laptops, mixers or CD players
- Horizontal application height: 320 mm, 3-step tilt
- Supplied with support pads to protect the devices



KM-12225

Order No. 0259004



Tray

- For mixers, controllers, tablet PCs, percussion instruments and music accessories
- Locking clip (tube diameter: up to 30 mm)
- Usable tray space: 250 x 330 mm
- Robust steel plate with cable routing
- Vibration-reducing foam insert
- Distance to the stand and alignment of the tray can be adjusted



KM-12180

Order No. 0255930



Desktop stand

- For accepting laptops, DJ systems and multimedia devices
- Tilting with 5 locking positions (0-33°)
- Robust steel version
- Dimensions: 300 x 300 x 350 mm
- Weight: 2.05 kg



KM-18990

Order No. 0257710



Keyboard stand

- Double brace steel version
- Height adjustable in steps of 5°, with quick-acting tension lever
- 4 slip-resistant foot caps, one of which is adjustable in height to compensate for uneven ground
- Load capacity: 50 kg
- Support: 327-789 x 350 mm
- Height: 594-946 mm
- Weight: 5.64 kg



KS-85/SW

Order No. 0251980

Universal stand

- Double brace steel version
- Lock-in with 7 locking positions, to be easily adjusted via lever at the upper side of the stand
- Feet can be adjusted in height to compensate floor unevenness
- Load capacity: 50 kg
- Support: 40 x 82 cm
- Max. height: 98 cm
- Tube: Ø 28 mm



KM-214/6

Order No. 0112070



Speaker stand

- Lightweight aluminium version, mat black lacquered
- Height adjustable in 5 steps (137-218 cm), with locking pin, additionally secured via locking screw
- 35 mm spigot
- Max. load/centr. weight concentr.: 50 kg
- Weight: 4.3 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



KM-21435

Order No. 0112060



Speaker stand

- Robust steel version, mat black lacquered
- Height adjustable in 5 steps (132-202 cm), user-friendly locking due to push-button system, additionally secured via locking screw
- 35 mm spigot
- Max. load/centr. weight concentr.: 50 kg
- Weight: 5.5 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



PAST-250/SW

Order No. 0120420



Professional speaker stand

- Lightweight aluminium version
- Air-suspended centre column
- Height adjustable in 5 steps, with locking pin
- Aluminium, black



PAST-122/SW

Order No. 0118700

- **Speaker stand**, stable steel tube version, height adjustable in 5 steps, with locking pin.
- Steel, black



PAST-120/SW

Order No. 0121710

Speaker stand

- Robust steel tube version
- Height adjustable in 6 steps, with locking pin
- High stability due to magnesium joint sleeve
- Steel, black



PAST-164/SW

Order No. 0111960

Speaker stand

- Extra lightweight aluminium version
- Height adjustable in 6 steps, with locking pin
- Aluminium, black



PAST-200/SW

Order No. 0120380



Professional speaker stand

- Lightweight aluminium version
- Requires little floor space
- Air-suspended centre column
- Height adjustable in 4 steps, with locking pin
- Aluminium, black



PAST-125/SW

Order No. 0118870

Speaker stand

- Robust steel tube version
- Requires little floor space
- Height adjustable in 3 steps, with locking pin
- High stability due to magnesium joint sleeve
- Steel, black



Model	PAST-250/SW	PAST-122/SW	PAST-120/SW	PAST-164/SW	PAST-200/SW	PAST-125/SW
Features	air-suspended centre column	-	magnesium joint sleeve	-	air-suspended centre column	-
Material	aluminium	steel tube	steel tube	aluminium	aluminium	steel tube
Colour	black	black	black	black	black	black
Max. load/centr. weight concentr.	40 kg	30 kg	40 kg	30 kg	30 kg	40 kg
Tube diameter	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm
Adjustable height	147-218 cm	130-205 cm	130-200 cm	140-200 cm	107-157 cm	92-137 cm
Storage dimensions	106 x 15 cm	107 x 13 cm	110 x 15 cm	103 x 14 cm	95 x 14 cm	76 x 10 cm
Weight	2.8 kg	4.1 kg	4.6 kg	1.6 kg	2.18 kg	3.18 kg
Special feature	adjustable in 5 steps	adjustable in 5 steps	adjustable in 6 steps	adjustable in 6 steps	adjustable in 4 steps	adjustable in 3 steps

Full specifications can be found on our website www.img-stageline.com

KM-26735

Order No. 0112460



Speaker stand, with flat diecast base (Ø 450 mm).

- Decorative and space-saving design
- Robust steel version, mat black lacquered
- Height adjustable in 4 steps (110-178 cm), with locking pin, additionally secured via locking screw
- 35 mm spigot
- Max. load/central weight concentration: 20 kg
- Weight: 9.64 kg
- Delivery consists of 2 boxes



KM-21302

Order No. 0112030



Telescopic speaker stand

- Robust steel version, mat black lacquered
- Crank handle with push-button for unlocking and locking screw
- Adjustable height: 138-218 cm
- 35 mm spigot with integrated M10 threaded bushing
- Max. load/central weight concentration: 40 kg
- Weight: 7.5 kg
- Type approved by TÜV (Technical Inspection Authority, Germany)



PAST-280SET

Order No. 0111990

Speaker stand set, consisting of two aluminium stands PAST-280/SW with locking system and a nylon tripod bag. For specifications, please refer to the individual items.



PAST-164SET

Order No. 0111970

Speaker stand set, consisting of two aluminium stands PAST-164/SW and a nylon tripod bag. For specifications, please refer to the individual items.



PAST-125SET

Order No. 0118910

Speaker stand set, consisting of two steel stands PAST-125/SW and a nylon tripod bag. For specifications, please refer to the individual items.



PAST-122SET

Order No. 0118710

Speaker stand set, consisting of two steel stands PAST-122/SW and a nylon tripod bag. For specifications, please refer to the individual items.



KM-21367

Order No. 0112140



Distance tube, with patented expanding mandrels 'ring lock' for a secure and low-resonance connection via plastic expanding jaws at the top and M20 threaded bolt at the bottom.

- For stand inserts with standard diameter
- Mounting plate with M20 inside thread KM-24116 is available at option
- Black lacquered steel tube version
- Height adjustable in 3 steps (98-137 cm), with locking screw
- Weight: 2.56 kg



KM-21366

Order No. 0112040



Distance tube, with patented expanding mandrels on both sides ('ring lock') for a secure and low-resonance connection via movable plastic splints.

- For stand inserts with standard diameter
- Black lacquered steel tube version
- Height adjustable in 4 steps (95-137 cm), with locking screw
- Weight: 2.34 kg



PAST-28/SW

Order No. 0118900

Distance tube, for stand inserts with standard diameter.

- Black lacquered steel tube version
- Height adjustable in 3 steps (83-123 cm), with locking pin
- Load capacity: 30 kg
- Weight: 1.78 kg



PAST-25/SW

Order No. 0129870

Distance tube, for stand inserts with standard diameter.

- Black lacquered steel tube version
- Height adjustable in 5 steps (86-134 cm), with locking pin
- Load capacity: 30 kg
- Weight: 1.4 kg



NPL-302

Order No. 0259861

Music stand light with 2 x LED gooseneck light and clip

- 6 white COB LEDs each of high luminous intensity, 3 brightness levels
- Power is provided via enclosed power supply or 3 x 1.5 V battery AA size (not supplied)
- Clamp width: up to 30 mm
- Length of gooseneck: 30 cm each



RLED-111USB

Order No. 0259862



482 mm (19") rack light, 1 RS, with gooseneck light and USB port

- 6 white COB LEDs of high luminous intensity
- 3 brightness levels
- Length of gooseneck: 30 cm
- USB port (= 5 V/1.2 A)
- Power is provided via enclosed power supply



GNL-300USB

Order No. 0259856



LED gooseneck light

- 6 white COB LEDs of high luminous intensity
- = 5 V/60 mA
- 3 brightness levels
- USB Type-A plug
- Length of gooseneck: 30 cm



GNL-450BNC

Order No. 0259857

LED gooseneck light

- 6 white COB LEDs of high luminous intensity
- 12 V/60 mA
- 3 brightness levels
- BNC plug-in connector
- Length of gooseneck: 45 cm



GNL-453XLR

Order No. 0259858

LED gooseneck light

- 6 white COB LEDs of high luminous intensity
- 12 V/60 mA
- 3 brightness levels
- 3-pole XLR plug
- Length of gooseneck: 45 cm



GNL-454XLR

Order No. 0259859

LED gooseneck light

- 6 white COB LEDs of high luminous intensity
- 12 V/60 mA
- 3 brightness levels
- 4-pole XLR plug
- Length of gooseneck: 45 cm



KM-19740

Order No. 0255910



Holder for tablet PCs, with mounting clamp for stands.

- For accepting devices with a height of 120-220 mm
- Tension spring for easy insertion and removal
- Adjustable retaining clamp
- Can be rotated for portrait or landscape format, tiltable
- To be secured with clamp for mounting onto microphone stands (tube diameter: up to 30 mm)



Supplied w/o tablet PC and stand.

KM-19742

Order No. 0255920



Holder for tablet PCs, with threaded bolt for stands.

- For accepting devices with a height of 120-220 mm
- Tension spring for easy insertion and removal
- Adjustable retaining clamp
- Can be rotated for portrait or landscape format, tiltable
- 9 mm (3/8") threaded bolt for mounting onto microphone stands



Supplied w/o tablet PC and stand.

MCS-180

Order No. 0050002



Rack-mount power strip, with 8 earthed sockets.

- Sockets can be switched individually via illuminated switches
- Black sheet steel housing
- 1.8 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 89 x 110 mm, 2 RS



RCS-92/SW

Order No. 0111410



Rack-mount power strip, with 9 earthed sockets.

- Sockets turned by 45°
- Black aluminium housing
- Removable mounting brackets
- 2 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 44 x 45 mm, 1 RS



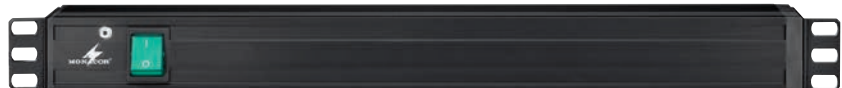
RCS-85/SW

Order No. 0111850



Rack-mount power strip, with an illuminated main switch on the front panel and 8 earthed sockets on the rear panel.

- Sockets turned by 45°
- Black aluminium housing
- Removable mounting brackets to allow for reversed mounting
- 2 m connection cable with earthed plug
- Cable specification: H05VV-F3G x 1.5mm², 3,600 V A max.
- Dimensions: 482 x 44 x 52 mm, 1 RS



RCS-18

Order No. 0111200



Rack-mount power strip, with 8 earthed sockets and overvoltage protection.

- Child safety sockets
- Sockets turned by 45°
- Illuminated main switch
- Black plastic housing
- 1 m connection cable with earthed plug, cable inlet can be turned by 90° via flexible joint
- Cable specification: H05VV-F3G x 1.5 mm², 3,600 VA max.
- Dimensions: 482 x 44 x 60 mm, 1 RS



MR-10LIGHT

Order No. 0250260

Rolling flight case, for transporting light effect units.

- 2 partitions and a storage tray, several positions possible
- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners
- Butterfly locks, recessed drop handles
- 4 castors
- Stackable due to indentations for the castors in the cover of the flight case
- Inside dimensions: 1,175 x 580 x 540 mm
- Outside dimensions: 1,220 x 765 x 625 mm
- Weight: 54 kg



MR-42LIGHT

Order No. 0253060

Rolling flight case, for transporting light effect units.

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks, recessed drop handles
- 4 castors (two of which are provided with a brake)
- Carpet lining
- 2 inside partitions, several positions possible
- Inside dimensions: 582 x 592 x 554 mm
- Outside dimensions: 620 x 770 x 620 mm
- Weight: 31.4 kg



MR-6LIGHT

Order No. 0250820

Universal rolling flight case, for transporting e.g. stands, cables and accessories for stage applications, DJs or lighting equipment.

- Due to special design, flight case can easily be pulled like a trolley
- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners
- Butterfly locks, recessed drop handles
- 4 castors
- Foam-padded interior
- Inside dimensions: 980 x 345 x 345 mm
- Outside dimensions: 1,050 x 440 x 410 mm
- Weight: 19.2 kg



MR-3LIGHT

Order No. 0244420

MR-2LIGHT

Order No. 0244410

Universal flight cases, for transporting e.g. light effect units, cables, accessories.

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks, recessed drop handles

- Foam-padded interior
- Inside dimensions: 525 x 315 x 420 mm (MR-3LIGHT), 450 x 220 x 350 mm (MR-2LIGHT)
- Outside dimensions: 570 x 355 x 470 mm (MR-3LIGHT), 500 x 270 x 400 mm (MR-2LIGHT)
- Weight: 8.6 kg (MR-3LIGHT), 6.8 kg (MR-2LIGHT)



MR-108T

Order No. 0243270



Hard-sided flight case, 8 RS, for 482 mm (19") devices.

- Devices can be inserted from both sides (double door system)
- Scratch-proof and shock-proof, black ABS housing
- Fully closed 3 mm aluminium profile frames
- High stability despite low weight
- Stackable
- Robust carrying handles and additional telescopic handle
- Butterfly locks

- Castors
- Mounting depth behind front panel: 480 mm for 6 RS
Mounting depth behind front panel: 120 mm for 2 RS
- Supplied with cage nuts and recessed head screws
- Inside dimensions: 550 x 444 x 360 mm
- Outside dimensions: 580 x 560 x 450 mm
- Weight: 9 kg



Hard-Sided Flight Cases

For 482 mm (19") devices.



- Devices can be inserted from both sides (double door system)
- Scratch-proof and shock-proof black ABS housing
- Fully closed 3 mm aluminium profile frames
- High stability despite low weight
- Stackable
- Robust carrying handles
- Butterfly locks
- Mounting depth behind the front panel: 480 mm
- Supplied with mounting screws

Supplied w/o devices.



Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Usable depth	Outside dimensions	Weight	Position
MR-108	0247860	8	mounting screws	444 x 375 x 530 mm	480 mm	540 x 430 x 560 mm	7.38 kg	A
MR-106	0247850	6	mounting screws	444 x 285 x 530 mm	480 mm	540 x 340 x 560 mm	6.38 kg	B
MR-104	0247840	4	mounting screws	444 x 195 x 530 mm	480 mm	540 x 250 x 560 mm	5.46 kg	C
MR-102	0247830	2	mounting screws	444 x 110 x 530 mm	480 mm	540 x 160 x 560 mm	4.14 kg	D

Components

Stage and Audio Accessories

MR-162DESK

Order No. 0252180



Professional rolling case for 482 mm (19") devices, with 2 integrated desks.

Functional design allows for a secure transport and quick assembly and disassembly.

- 9 RS mounting facility for 482 mm top-operated devices (mixers or similar), upward tilting rack rails with click-stop hinges
- 16 RS mounting zone for devices which require horizontal mounting
- Suitable for devices with a maximum depth of 480 mm
- Front part and rear part with integrated folding feet (desk feature), effective surface: approx. 920 x 525 mm each, height: approx. 760 mm each
- 9 mm multiplex wood, moisture repellent, black, plastic-laminated (slightly structured)
- Robust bottom plate, 13 mm thick
- Aluminium profile edges
- Chromium-plated ball protection corners and closing angles
- 100 mm castors, 2 of which are provided with locking brakes
- Butterfly locks
- 2 recessed drop handles at each side ensure safe and convenient handling
- Inside dimensions: 500 x 715 x 520 mm



- Outside dimensions: 540 x 1,075 x 725 mm
- Weight: 45 kg
- Supplied with mounting accessories:
 - 70 cage nuts
 - 70 recessed head screws M6 x 15 mm
 - 70 plastic washers



MR-106PC

Order No. 0250190



Flight case, with integrated laptop rack.

- 6 RS: Vertical profile rails for inserting 482 mm (19") devices. Suitable for devices with a maximum depth of 480 mm
- 8 RS: Horizontal and slightly upward tilted mounting rails for 482 mm (19") top-operated devices, e.g. mixers
- Sliding top part with non-slip surface for laptops
- 9 mm multilayer multiplex wood, black laminated
- Aluminium profile edges

- Chromium-plated ball protection corners, reinforcing angles and connectors
- Butterfly locks and recessed drop handles
- Rear service cover with cable outlet
- Inside dimensions: 515 x 390 x 590 mm
- Outside dimensions: 570 x 445 x 630 mm
- Weight: 20 kg
- Supplied with 32 cage nuts

Supplied w/o devices.



MR-919DJ

Order No. 0244710



Flight case, 9 RS, for 482 mm (19") top-operated devices, e.g. mixers. Mounting rails with a fixed inclination angle of approx. 13°, thus the mounting depth varies between 100 and 185 mm.

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Butterfly locks and recessed drop handles
- Particularly suitable for variable installation of devices using castle nuts M6 x 7 mm; aluminium rails with non-slipping feature (guiding rubber prevents slipping of the castle nuts, thus easy mounting)

- Dimensions: 527 x 230 x 485 mm
- Weight: 8.2 kg
- Supplied with 4 castle nuts

Supplied w/o devices.



MR-246

Order No. 0250520



Professional DJ flight case,

with a low depth, for 482 mm (19") devices.

Consisting of 3 sections:

- Section 1 (top), e.g. for control panels of dual CD players
- Section 2 (middle), e.g. for mixers
- Section 3 (bottom), e.g. for CD player mechanisms or amplifiers

Features

- 10 mm multiplex wood, black laminated
- Aluminium profile edges, reinforcing angles
- Chromium-plated ball protection corners (stackable)
- Recessed drop handles and butterfly locks
- Aluminium rails with M6 cage nuts for variable installation of devices, no slipping of the cage nuts, thus easy mounting

- Removable cover (not shown)
- Service door at the rear side with cable inlet
- Max. inside depth behind the front panel: 330 mm
- Supplied with cage nuts

Sample configuration

- Section 1 (2 RS), e.g. with control panel of CD-292USB
- Section 2 (4 RS), e.g. with mixer MPX-44/SW
- Section 3 (6 RS), e.g. with player mechanism of CD-292USB, amplifier STA-102, STA-500 or STA-700, MP3 player DPR-110 and rack panel RCP-8701U

Should the existing rack spaces not be required, we recommend to use rack panels, e.g. RCP-8701U (1 RS) or RCP-8702U (2 RS).

Supplied w/o devices.



Model	MR-246
Size	482 mm (19")
Rack spaces, RS	2 RS (section 1), 4 RS (section 2), 6 RS (section 3)
Colour	black
Mounting accessories	20 cage nuts
Usable depth	330 mm
Outside dimensions	545 x 545 x 490 mm
Weight	16.5 kg

Series of Flight Cases

With vertical profile rails for inserting 482 mm (19") devices. Suitable for devices with a maximum depth of 480 mm.

Horizontal and slightly upward tilted mounting rails for 482 mm (19") top-operated devices, e.g. mixers.

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles
- Each case is equipped with butterfly locks and recessed drop handles
- The add-on DJ case MR-112DJ is supplied with 4 castors (2 of which are provided with a brake)
- Supplied with cage nuts



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Supplied w/o devices.

Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-112DJ	0246760	12 vertical, 10 horizontal	44 cage nuts	520 x 660 x 590 mm	560 x 850 x 640 mm	30.1 kg	A
MR-106DJ	0245980	6 vertical, 10 horizontal	32 cage nuts	520 x 390 x 590 mm	550 x 440 x 640 mm	16.82 kg	B
MR-104DJ	0243450	4 vertical, 10 horizontal	28 cage nuts	520 x 310 x 590 mm	560 x 350 x 640 mm	14.96 kg	C

MR-405TXS

Order No. 0244460



Flight case, 5 RS, particularly suitable for wireless microphone systems, e.g. 4 x receiver unit TXS-871/TXS-872/TXS-875 and 1 x antenna splitter TXS-870DS. Also suitable for other wireless microphone systems and 482 mm devices with a max. depth of 255 mm behind the front panel.

- Storage compartments with holding straps for transmitter and accessories
- Multilayer multiplex wood, black laminated, aluminium profile edges, butterfly locks, recessed drop handles
- Supplied with mounting screws
- Dimensions: 540 x 265 x 460 mm
- Weight: 9.4 kg



Rolling Flight Cases



With vertical profile rails at the front and rear for inserting 482 mm (19") devices. In addition, they are fitted with upward tilting mounting rails (10 RS) for 482 mm (19") top-operated devices (e.g. mixers). Suitable for devices with a maximum depth of 480 mm.

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Each case is equipped with butterfly locks and recessed drop handles
- There is a difference of 2 RS only between the models MR-182 and MR-162 which allows for an optimum working height, depending on the user's height
- Supplied with cage nuts



Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-182	0244990	18	56 cage nuts	500 x 1,080 x 680 mm	550 x 1,180 x 720 mm	42.62 kg	A
MR-162	0244980	16	52 cage nuts	500 x 910 x 680 mm	550 x 1,080 x 720 mm	41.08 kg	B
MR-122	0244970	12	44 cage nuts	500 x 740 x 680 mm	550 x 910 x 720 mm	35.12 kg	C

Series of Flight Cases



- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Profile rails at the front and rear
- Suitable for devices with a depth of approx. 480 mm and 20 RS max. Each case is equipped with butterfly locks and recessed drop handles. The cases from 10 RS to 20 RS are supplied with 4 castors, 2 of which are provided with brakes
- Supplied with cage nuts
- Max. inside depth behind the front panel: 480 mm, inside depth before the front panel: 90 mm



Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-720	0245060	20	40 cage nuts	500 x 900 x 680 mm	550 x 1,080 x 720 mm	36.72 kg	A
MR-716	0245050	16	32 cage nuts	500 x 725 x 680 mm	550 x 910 x 720 mm	32.47 kg	B
MR-712	0245040	12	24 cage nuts	500 x 545 x 680 mm	550 x 730 x 720 mm	27.06 kg	C
MR-710	0245030	10	20 cage nuts	500 x 455 x 680 mm	550 x 640 x 720 mm	25.64 kg	D
MR-708	0245020	8	16 cage nuts	500 x 370 x 680 mm	550 x 420 x 720 mm	15.7 kg	E
MR-706	0245010	6	24 cage nuts	500 x 280 x 680 mm	550 x 330 x 720 mm	13.98 kg	F
MR-704	0245000	4	8 cage nuts	500 x 190 x 680 mm	550 x 240 x 720 mm	11.98 kg	G

Series of Flight Cases

- Multilayer multiplex wood, black laminated
- Aluminium profile edges
- Chromium-plated ball protection corners, reinforcing angles and connectors
- Aluminium rails at the front and rear with M6 cage nuts for variable installation of devices, no slipping of the cage nuts, thus easy mounting

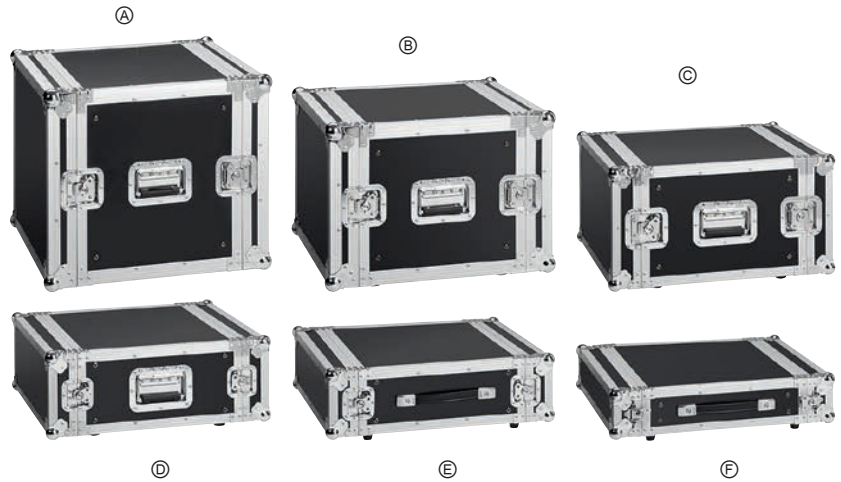


Standard series:

For devices with a depth of approx. 420 mm and 10 RS max., 5 layers of multiplex, 6 mm thick. Equipped with butterfly locks and recessed drop handles, MR-402 and MR-403 with strap handles.

Max. inside depth behind the front panel: 440 mm.

Max. inside depth before the front panel: 55 mm.



Model	Order No.	Rack spaces, RS	Mounting accessories	Inside dimensions	Outside dimensions	Weight	Position
MR-410	0242270	10	24 cage nuts	485 x 450 x 530 mm	545 x 510 x 585 mm	17.3 kg	A
MR-408	0242260	8	24 cage nuts	485 x 365 x 530 mm	545 x 420 x 585 mm	15.54 kg	B
MR-406	0242250	6	24 cage nuts	485 x 270 x 530 mm	535 x 320 x 580 mm	9.72 kg	C
MR-404	0242240	4	16 cage nuts	485 x 185 x 530 mm	535 x 225 x 580 mm	8.04 kg	D
MR-403	0242230	3	12 cage nuts	485 x 140 x 530 mm	555 x 185 x 580 mm	6.68 kg	E
MR-402	0242220	2	8 cage nuts	485 x 92 x 530 mm	555 x 140 x 580 mm	5.64 kg	F

MR-1918/SW

Order No. 0247450



Table rack, with a total of 8 RS.

- Vertical version for accepting 482 mm (19") devices which require horizontal mounting, e.g. CD players
- Black lacquered

Model	MR-1918/SW
Rack spaces, RS	8
Outside dimensions	550 x 475 x 390 mm
Max. load capacity	20 kg
Weight	2.1 kg



MZF-8645

Order No. 0123500

Set of cage nuts and screws, for mounting 482 mm (19") inserts into racks and flight cases. The set consists of:

- 4 x M6 cage nut
- 4 x M6 x 15 mm recessed head screw
- 4 x plastic washer



MZF-8646

Order No. 0126730

Mounting set, for mounting 482 mm (19") devices into racks and flight cases in any required height. The set consists of:

- 12 x M6 x 12 mm recessed head screw
- 12 x M6 nut
- 12 x plastic washer

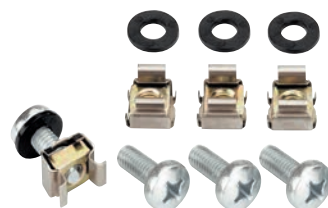


MZF-8648

Order No. 0129410

Set of cage nuts and screws, for mounting 482 mm (19") inserts into racks and flight cases. The set consists of:

- 4 x M6 cage nut
- 4 x M6 x 15 mm recessed head screw
- 4 x plastic washer



DMX Connection Cables

For transmitting digital DMX512 signals or AES/EBU signals.

- Fitted with NEUTRIK XLR plug NC-3MX and NEUTRIK XLR inline jack NC-3FX
- 2 x 0.22 mm²

- Double shielding
- Outside diameter: Ø 4.5 mm
- Impedance level: 110 Ω
- Very low capacitance: 57 pF/m



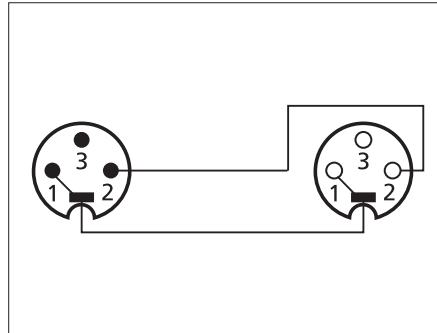
Model	Order No.	Length
CDMXN-150/SW	0112110	1.5 m
CDMXN-300/SW	0112120	3 m
CDMXN-500/SW	0112130	5 m
CDMXN-1000/SW	0112100	10 m

MSC-1007/SW

Order No. 0062650

Speaker cable

- 1 x XLR plug and 1 x XLR inline jack
- Cores: 2 x 1.5 mm²
- Length: 10 m
- Without shielding

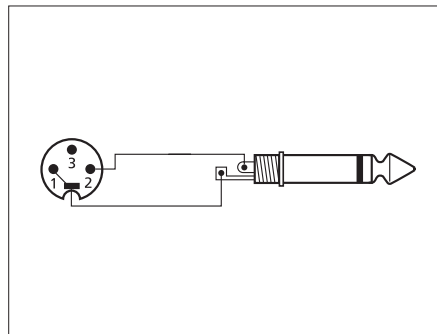


MSCP-1000/SW

Order No. 0062450

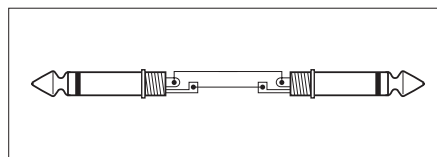
Speaker cable

- 1 x XLR plug and 1 x 6.3 mm plug
- Cores: 2 x 1.5 mm²
- Length: 10 m
- Without shielding



Speaker Cables

- Fitted with 6.3 mm plug
- Different lengths
- Without shielding

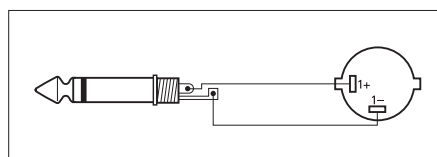


Model	Order No.	Length	Colour	Internal conductor
MSC-150/SW	0060930	1.5 m	black	2 x 1.5 mm ²
MSC-300/SW	0060960	3 m	black	2 x 1.5 mm ²
MSC-600/SW	0062500	6 m	black	2 x 1.5 mm ²
MSC-1000/SW	0062490	10 m	black	2 x 1.5 mm ²
MSC-1500/SW	0060940	15 m	black	2 x 1.5 mm ²

Speaker Cables

"HIGHLY FLEXIBLE"

- Fitted with NEUTRIK SPEAKON plug NL-2FX and 6.3 mm mono plug
- Highly flexible cable material

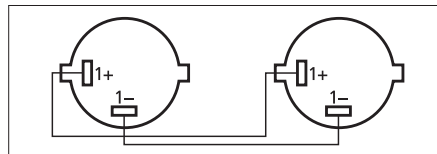


Model	Order No.	Length	Colour	Internal conductor
MSCN-8050/SW	0129380	5 m	black	2 x 1.5 mm ²
MSCN-8100/SW	0129390	10 m	black	2 x 1.5 mm ²
MSCN-8150/SW	0129400	15 m	black	2 x 1.5 mm ²

Speaker Cables

"HIGHLY FLEXIBLE"

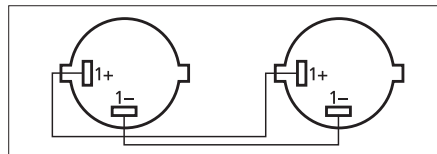
- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSC-502/SW	0112210	2 m	black	2 x 1.5 mm ²
MSC-505/SW	0129210	5 m	black	2 x 1.5 mm ²
MSC-510/SW	0129220	10 m	black	2 x 1.5 mm ²
MSC-515/SW	0129230	15 m	black	2 x 1.5 mm ²
MSC-520/SW	0112220	20 m	black	2 x 1.5 mm ²

Speaker Cables

- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- "Economy" cable material

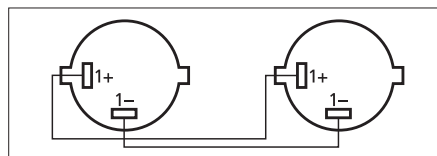


Model	Order No.	Length	Colour	Internal conductor
MSCA-502/SW	0112230	2 m	black	2 x 1.5 mm ²
MSCA-505/SW	0112240	5 m	black	2 x 1.5 mm ²
MSCA-510/SW	0112250	10 m	black	2 x 1.5 mm ²

Speaker Cables

"HIGHLY FLEXIBLE"

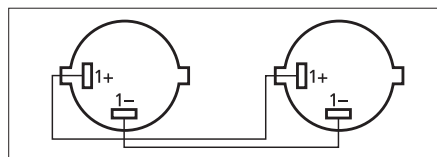
- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSC-102/SW	0112170	2 m	black	2 x 2.5 mm ²
MSC-105/SW	0125620	5 m	black	2 x 2.5 mm ²
MSC-110/SW	0125640	10 m	black	2 x 2.5 mm ²
MSC-115/SW	0125660	15 m	black	2 x 2.5 mm ²
MSC-120/SW	0112180	20 m	black	2 x 2.5 mm ²

Speaker Cables

- Fitted with NEUTRIK SPEAKON plugs NL-2FX
- "Economy" cable material

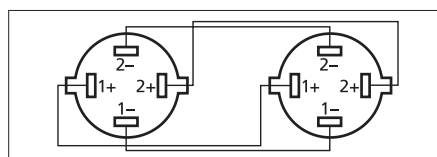


Model	Order No.	Length	Colour	Internal conductor
MSCA-610/SW	0112260	10 m	black	2 x 2.5 mm ²
MSCA-615/SW	0112270	15 m	black	2 x 2.5 mm ²
MSCA-620/SW	0112280	20 m	black	2 x 2.5 mm ²

Speaker Cables

"HIGHLY FLEXIBLE"

- Fitted with NEUTRIK SPEAKON plugs NL-4FX
- Highly flexible cable material



Model	Order No.	Length	Colour	Internal conductor
MSC-202/SW	0112190	2 m	black	4 x 2.5 mm ²
MSC-205/SW	0125680	5 m	black	4 x 2.5 mm ²
MSC-210/SW	0125700	10 m	black	4 x 2.5 mm ²
MSC-215/SW	0125720	15 m	black	4 x 2.5 mm ²

XLR Cables

Line and microphone extension cables.

- Fitted with NEUTRIK connectors
- 1 x XLR inline jack and 1 x XLR plug, balanced
- Shielded low-noise OFC cable material, Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MECN-100/BL	0065920	1 m	blue	Ø 6.5 mm
MECN-100/RT	0065930	1 m	red	Ø 6.5 mm
MECN-100/SW	0065940	1 m	black	Ø 6.5 mm
MECN-200/BL	0065950	2 m	blue	Ø 6.5 mm
MECN-200/RT	0065960	2 m	red	Ø 6.5 mm
MECN-200/SW	0065970	2 m	black	Ø 6.5 mm
MECN-600/BL	0065980	6 m	blue	Ø 6.5 mm
MECN-600/RT	0065990	6 m	red	Ø 6.5 mm
MECN-600/SW	0066000	6 m	black	Ø 6.5 mm
MECN-1000/BL	0066010	10 m	blue	Ø 6.5 mm
MECN-1000/RT	0066020	10 m	red	Ø 6.5 mm
MECN-1000/SW	0066030	10 m	black	Ø 6.5 mm
MECN-1500/SW	0066040	15 m	black	Ø 6.5 mm
MECN-2000/SW	0066050	20 m	black	Ø 6.5 mm

XLR cables

Line and microphone extension cables

- Fitted with REAN connectors (made by NEUTRIK)
- 1 x XLR inline jack and 1 x XLR plug, balanced
- Shielded low-noise OFC cable material, Ø 5.9 mm



Model	Order No.	Length	Colour	Cable diameter
MECR-50/SW	0069320	0.5 m	black	Ø 5.9 mm
MECR-100/SW	0069270	1 m	black	Ø 5.9 mm
MECR-200/SW	0069300	2 m	black	Ø 5.9 mm
MECR-600/SW	0069330	6 m	black	Ø 5.9 mm
MECR-1500/SW	0069290	15 m	black	Ø 5.9 mm
MECR-2000/SW	0069310	20 m	black	Ø 5.9 mm

XLR Cables

Line and microphone extension cables.

- 1 x XLR inline jack and 1 x XLR plug, balanced
- Shielded low-noise OFC cable material, Ø 6.5 mm



Model	Order No.	Length	Colour	Cable diameter
MEC-50/BL	0061680	0.7 m	blue	Ø 6.5 mm
MEC-50/RT	0061710	0.7 m	red	Ø 6.5 mm
MEC-50/SW	0061720	0.7 m	black	Ø 6.5 mm
MEC-100/BL	0061740	1 m	blue	Ø 6.5 mm
MEC-100/GE	0061750	1 m	yellow	Ø 6.5 mm
MEC-100/GN	0061760	1 m	green	Ø 6.5 mm
MEC-100/RT	0061770	1 m	red	Ø 6.5 mm
MEC-100/SW	0061780	1 m	black	Ø 6.5 mm
MEC-190/BL	0062520	2 m	blue	Ø 6.5 mm
MEC-190/GE	0062530	2 m	yellow	Ø 6.5 mm
MEC-190/GN	0062540	2 m	green	Ø 6.5 mm
MEC-190/RT	0062550	2 m	red	Ø 6.5 mm
MEC-190/SW	0062560	2 m	black	Ø 6.5 mm
MEC-20/BL	0060670	6 m	blue	Ø 6.5 mm
MEC-20/RT	0060700	6 m	red	Ø 6.5 mm
MEC-20/SW	0060710	6 m	black	Ø 6.5 mm
MEC-1000/BL	0062940	10 m	blue	Ø 6.5 mm
MEC-1000/SW	0062510	10 m	black	Ø 6.5 mm
MEC-1500/SW	0062270	15 m	black	Ø 6.5 mm
MEC-2000/SW	0064320	20 m	black	Ø 6.5 mm

Line Cables

“HIGH QUALITY, HIGHLY FLEXIBLE”

- 3-pole XLR plug and 6.3 mm stereo plug, balanced
- Black, shielded low-noise OFC cable material

Model	Order No.	Length	Colour
MEL-102/SW	0066670	1 m	black
MEL-202/SW	0066680	2 m	black
MEL-602/SW	0066690	6 m	black



Microphone Cables

- Fitted with NEUTRIK connectors
- 1 x XLR inline jack and 1 x 6.3 mm mono plug
- Shielded low-noise OFC cable material, Ø 6.5 mm

Model	Order No.	Length	Colour	Cable diameter
MMCN-300/SW	0066760	3 m	black	Ø 6.5 mm
MMCN-600/SW	0066060	6 m	black	Ø 6.5 mm
MMCN-1000/SW	0066070	10 m	black	Ø 6.5 mm



Microphone Cables

- Fitted with 1 x XLR inline jack and 1 x 6.3 mm mono plug
- Shielded low-noise OFC cable material, Ø 6.5 mm

Model	Order No.	Length	Colour	Cable diameter
MMC-300/SW	0066750	3 m	black	Ø 6.5 mm
MMC-600/SW	0060900	6 m	black	Ø 6.5 mm
MMC-1200/SW	0064310	12 m	black	Ø 6.5 mm



Mono Cables

- Fitted with NEUTRIK connectors
- 2 x 6.3 mm mono plug
- Shielded low-noise OFC cable material, Ø 6.5 mm

Model	Order No.	Length	Colour	Cable diameter
MCCN-150/SW	0065840	1.5 m	black	Ø 6.5 mm
MCCN-300/SW	0065870	3 m	black	Ø 6.5 mm
MCCN-600/SW	0065900	6 m	black	Ø 6.5 mm
MCCN-1000/SW	0065910	10 m	black	Ø 6.5 mm



Mono Cables

- Shielding
- Fitted with 2 x 6.3 mm mono plug
- Cable outside diameter: Ø 6.5 mm

Model	Order No.	Length	Colour	Cable diameter
MCC-50/RT	0060520	0.5 m	red	Ø 6.5 mm
MCC-50/SW	0060530	0.5 m	black	Ø 6.5 mm
MCC-100/RT	0060400	1 m	red	Ø 6.5 mm
MCC-100/SW	0060410	1 m	black	Ø 6.5 mm
MCC-300/RT	0060460	3 m	red	Ø 6.5 mm
MCC-300/SW	0060470	3 m	black	Ø 6.5 mm
MCC-600/SW	0060590	6 m	black	Ø 6.5 mm
MCC-900/SW	0060650	9 m	black	Ø 6.5 mm



All products of MONACOR INTERNATIONAL are tested continuously to ensure a constant quality level and to maintain quality standards. All products which are subject to the CE guidelines as well as the electric and electronic subassemblies which are subject to the directive for motor vehicles are tested according to the respective standards and carry the CE mark. These products can thus be sold in all EC countries without further tests or approvals.

General Information

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- The software available on our websites is partly an 'Open Source Software' which is licenced under 'General Public License' (GPL). Further information can be found at the following link: <http://www.gnu.org/licenses/>.
- HDMI™ is a registered trademark of HDMI Licensing L.L.C.
- We cannot be held responsible for printing errors, should they occur. We reserve the right to make technical changes without prior notice.
- Specifications stated are according to information provided by the manufacturer.
- Due to production tolerances, technical data may vary slightly.
- Damage resulting from unauthorised servicing of the products thus causing changes as well as improper handling resulting in consequential damage are excluded from the warranty. We will not be liable for changes of the state of the products resulting from improper storage, other interventions or improper use.
- Lithium batteries have to meet special regulations for transportation and storage. Before dispatching such products, please pay attention to the safety notes in the section 'Downloads' on our website.
- If the devices are interfered with, the CE approval will no longer apply. All products are usually suitable for indoor use only, unless stated otherwise. The products are not suitable for installations into aircrafts or for surface mounting onto aircrafts.
- The devices do not correspond to the medical products directive 2007/47/EC.
- If the devices are permanently taken out of operation, they must be taken to a local recycling plant for disposal which is not harmful to the environment.

Technical Information

- Before first use of the products, please read the instruction manual carefully!
- The products correspond to the directive for electromagnetic compatibility 2014/30/EU, the directive 2011/65/EU (RoHS) with the addition EU/2015/863 and where applicable to the low voltage directive 2014/35/EU with the directive 2009/125/EC (ErP) and the regulation 2019/1782.
- When operating with voltages of over 42 V, please always follow respective safety measures.
- Before opening any product operated with 230 V mains voltage, disconnect device from the mains.
- Make sure that the supply voltage is disconnected before working on components and modules. Existing capacitors must be discharged.
- Mains cables and test cables must be checked for damage on a regular basis. Never pull on the cable to disconnect the plug from the socket.
- Mains cables and fuses must only be replaced by skilled personnel.
- Unless otherwise stated:
 - protect the products from moisture and heat,
 - always observe the admissible ambient temperature of 0–40 °C.
- Do not use a very high volume level when using headphones. Permanent high volume may damage your hearing! Do not wear headphones while particular attention must be paid to your surroundings, e.g. in traffic.
- A soldering process which is too long and too hot may cause damage to the corresponding products. Choose a soldering temperature that is suitable for the material used. No liability can be assumed for damage to the product or consequential damage caused by improper handling.
- The plugs, jacks, switches, rotary switches and potentiometers shown in this catalogue are only suitable for connection to safety extra low voltage (SELV) or signal voltage unless the item is designed for a higher voltage (see text or table).
- If the fixing nuts of panel jacks or panel plugs are overtightened, it may cause damage to the whole component. In case of improper handling, no liability can be assumed for this or any consequential damage.
- The heat must be eliminated by air circulation. Therefore, do not cover ventilation slots with anything. Do not put or drop anything through the ventilation slots. Otherwise, there will be danger of an electric shock.
- Only use a dry, soft cloth for cleaning the products. Chemicals must not be used in any case.
- LED lights and LED lamps contain various components which may generate noise in unfavourable conditions. There may be audible resonances caused by installation, design of the lamp and the base as well as dimmer or transformer.

Notes on Devices with Network/Internet Access

Please note that each device connected to a network with Internet access is part of a worldwide network. In order to protect your privacy and to prevent unauthorised people accessing your network and the devices connected, please protect your login details with an individual password prior to initial installation. Please take this into consideration when assigning future passwords in connection with devices, software and apps available in the network, e.g. when setting up user accounts. Passwords should never be disclosed to third parties! Furthermore, please note that any device which has been connected to the network should be reset before being sold or disposed of. This is the only way to ensure that all your personal data is erased permanently.

Information on the German Product Liability Act

According to the law dated 15 December 1989 governing product liability which was last amended by the law dated 19 July 2002, manufacturers, importers and retailers are obliged to compensate for damage caused by a faulty product under certain prerequisites.

A product can already be considered faulty if its presentation leaves a private, non-commercial end user with a wrong impression as to its safety in use or if it is to be expected that the private end user will not observe the required safety regulations when using the product or will apply an excessive operating voltage to it, except if this user has been informed as to the necessity to observe the safety regulations and specified voltages, etc.

In your own interest and for your customers' safety, therefore please draw your non-commercial customers' attention to the following:

The products listed in this catalogue may only be used for the stated purpose. If there are any doubts as to the purpose of the goods, questions must be clarified with an authorised expert or with the service department of MONACOR INTERNATIONAL.

The following EN standards and VDE (Verband Deutscher Elektrotechniker = Association of German Electrical Engineers) regulations must be observed:

Electromagnetic Compatibility:

EN300422, EN301489, EN55013, EN55103-1, EN55103-2, EN61000-3-2, EN61000-3-3, EN61000-6-1, EN61000-6-3

Low Voltage Directive:

DINVDE0100, DINVDE0532, EN60065, EN60335, EN60598, EN60950, EN61010, EN62471

Motor Vehicles Directive:

Directive 2004/104/EC

In Germany, the above-mentioned regulations can be obtained from:

VDE-Verlag GmbH Bismarckstraße 33 10625 Berlin Germany Phone: +49 30 348001-0 Fax: +49 30 348001-9088	VDE-Verlag GmbH Postfach 120143 10591 Berlin Germany Phone: +49 30 348001-0 Fax: +49 30 348001-9088	VDE-Verlag GmbH Goethering 58 63067 Offenbach Germany Phone: +49 69 840006-0 Fax: +49 69 840006-1399
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Notes Regarding the Approval of Wireless Systems

The wireless microphone systems in the frequency ranges 863 MHz to 865 MHz and 2,400 MHz are generally approved and licence-free.

These wireless systems are licence-free in the EU!

Every wireless system has been examined by a notified body and has been approved in the EU according to the RED directive. However, a frequency assignment for the systems in the frequency range 506 MHz to 542 MHz, 518 MHz to 542 MHz, 672 MHz to 697 MHz and 740 MHz to 776 MHz, 823 MHz to 832 MHz and 1.8 GHz for the corresponding area in which the device is to be used must be applied for at the respective national authority. There are restrictions or requirements within the EU!

In Germany, the frequency assignment has to be applied for at the corresponding branch of the Federal Network Agency (BnetzA, Germany).

The declaration of conformity can be found on our website: www.monacor.com, www.imgstageline.com or www.jts-europe.com. The forms for the frequency assignment can be found on the website of the Federal Network Agency www.bundesnetzagentur.de. For countries outside of Europe, please consult the authorities of the corresponding country.

Please observe the notes in the operating instructions.

MONACOR INTERNATIONAL GmbH & Co. KG; February 2020

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**HEADQUARTERS
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