



SYSTEM DESCRIPTION

The small, portable system MINI-MONO is a mobile PA system with integrated accumulator and 50W amplifier power (basic system).

Specific attention at this PA system we put to the smaller, easy to operate compact systems, which are ready for us within some seconds.

The system is perfectly suitable as tour guide systems in museum, for operation in churches, nursery schools, conferences, fairs – everywhere when flexibility and versatility are important.

Optionally the MINI-MONO system can be amplified with further components like i.e. radio receiver 2 x 16 channel, wireless microphones, SD/USB player, carrier bags (shelter from the rain).

The complete accessory program you will find via the tab „accessories“. Additionally ordered accessories we mount for you directly into the basic system MINI-MONO.

Your individual mobile PA system is of course once again mechanically and electrically checked before it will be delivered to you.



TECHNICAL SPECIFICATION

Dimensions: H-330 x D-260 x W-246 [mm]

Outputs: 1 x CINCH (LINE-OUT)

Assembly: 1 x 8 inch FULL-RANGE

Inputs: 1 x COMBO (MIC.-LINE), 1 x CINCH (LINE-IN)

Frequency range: 65 Hz to 20.000 Hz

Weight: max. 8.5 kg,
according to the built-in accessories

Speaker output: 1 x SPEAKON for auxiliary speaker
MINI-PASSIVE BOX

LED-display: AMP-ON, LIMITER-ON, BATT: FULL, OK, LOW

Power: 1 x 50 watts sine

Material: birch wood multiplex housing

Surface: polyurethane structure finish

Option/equipment: the complete accessory program you will find via the tab „accessories“.

Protection circuits: short circuit, overheating, limiter,
battery management

SPL/Pmax/1 mtr: 108 [dB]

Tripod flange: yes

Power supply: 230VAC by switching power supply (14.4VDC)



SYSTEM DESCRIPTION

MINI-STEREO (basic system).

The portable system MINI-STEREO is a mobile PA system with integrated accumulator (7AH) and 2 x 50W (stereo) amplifier power.

Special attention we put at this PA system to the smaller compact systems which are easy to operate and ready for use within a few seconds.

In connection with the optional MINI PASSIVE BOX the system is perfectly suitable as stereo background PA system.

Typical application areas are i.e. museums, conferences and exhibitions, fairs and churches – everywhere when flexibility and versatility are important.

Speech transmission is supported optimally by the built-in VOICE-OVER system, as it drives the volume of the playing background music automatically.

Optional the MINI-STEREO basic system can be amplified with many selective components.

This includes amongst others: radio receiver 2 x 16 channel, wireless microphones, CD/MP3-DVD module, SD/USB player, additional passive speakers, a carrier bag (shelter from the rain) and much more.

The complete accessory program you will find via the tab „accessories“.

Additionally ordered equipment we mount for you directly into the basic system MINI-STEREO on demand.

Your individual mobile PA system is of course once more mechanically and electrically checked before delivery.

(basic system)

MINI-STEREO is a mobile PA system with integrated accumulator (7AH) and 2 x 50W (stereo) amplifier power.



TECHNICAL SPECIFICATION

Dimensions: H-330 x D-260 x W-246 [mm]

Outputs: 1 x CINCH (LINE-OUT)

Assembly: 1 x 8 inch FULL-RANGE

Inputs: 1 x COMBO (MIC.-LINE), 1 x CINCH (LINE-IN)

Equalization EQ: LOW/MID/HIGH filter

Frequency range: 65 Hz to 20.000 Hz

Weight: max. 8.5 kg, according to the built-in accessories

Speaker output: 1 x SPEAKON for auxiliary speaker
MINI-PASSIVE BOX

LED-display: AMP-ON, LIMITER-ON, BATT: FULL, OK, LOW

Power: 2 x 50 watts sine

Material: birch wood multiplex housing

Surface: polyurethane structure finish

On Board: audio compressor, Surround DSP,

Option/equipment: the complete accessory program you will find via the tab „accessories“.

Protection circuits: short circuit, overheating, limiter, battery management

SPL/Pmax/1 mtr: 108 [dB]

Tripod flange: yes

Power supply: 230VAC by switching power supply (14.4VDC)

Priority: voice over system with LONG/SHORT/ MUTE-TIME



SYSTEM DESCRIPTION

MIDI-MONO (basic system).

The middle, portable system MIDI-MONO is a mobile PA system with integrated accumulator and 50 W amplifier power (basic system).

Special attention at this PA system we put to the middle compact systems which are easy to operate and ready for use within seconds.

This mobile PA system connects a robust, glued and hard-wearing birch wood multiplex housing with polyurethane structure finish. The internal 8"- speaker system provides a very powerful and clear sound reproduction of speech and music.

The system is perfectly suitable as tour guide system in museums, for use in churches, nursery schools, conferences, fairs – everywhere when flexibility and versatility are important.

Optional the MIDI-MONO system can be amplified with further components like i.e. radio receiver 2 x 16 channel, radio microphones, SD/USB player, auxiliary speaker MIDI-PASSIVE BOX, carrier bags (shelter from the rain) or speaker tripods.

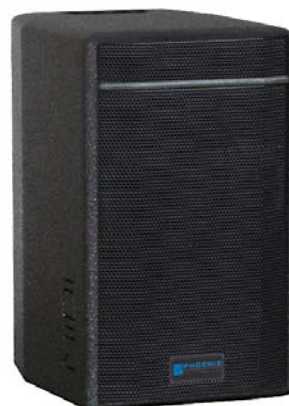
The complete accessory program you will find via the tab „accessories“. Additionally ordered equipment of course we mount directly for you into the basic system MIDI-MONO on demand.

Your individual mobile PA system is of course once again mechanically and electrically checked before delivery.



(Basic system)

MIDI-MONO is a mobile PA system with integrated accumulator and 50 W amplifier power (basic system)



TECHNICAL SPECIFICATION

Dimensions: H-410 x D-260 x W-246 [mm]

Outputs: 1 x CINCH (LINE-OUT)

Assembly: 1 x 8 inch FULL-RANGE

Inputs: 2 x COMBO (MIC.-LINE), 1 x CINCH (LINE-IN)

Frequency range: 60 Hz-20.000 Hz

Weight: 10.5 kg max.

according to the built-in accessories

Speaker outputs: 1 x SPEAKON for auxiliary speaker MIDI-PASSIVE BOX

LED display: AMP-ON, LIMITER-ON, BATT: FULL, OK, LOW

Power: 50 watts sine

Material: birch wood multiplex housing

Surface: polyurethane structure finish

On Board: internal accumulator 12VDC/7Ah

Option/accessories: the complete accessory program you will find via the tab „accessories“.

Protective circuits: short circuit, overheating, limiter, battery management

SPL/Pmax/1 mtr: 110 [dB]

Tripod flange: yes

Power supply: 230VAC by switching power supply (14.4VDC)

SYSTEM DESCRIPTION

MIDI-STEREO (basic system).

The portable system MIDI-STEREO is a mobile PA system with integrated accumulator (7AH) and 2 x 50W (stereo) amplifier power.

In this PA system we are particularly vigilant in the smaller compact systems which are easy to operate and ready for use within a few seconds.

In connection with the optional MIDI PASSIVE BOX the system is perfectly suitable as stereo background PA system.

Typical application areas are i.e. museums, conferences and exhibitions, fairs and churches – in every place where flexibility and versatility are important.

Speech transmission is supported ideally by the built-in VOICE-OVER system, as the volume of the playing background music is driven automatically.

Optionally the MIDI-STEREO basic system can be amplified with many optional components.

This includes amongst others: radio receiver 2 x 16 channel, radio microphones, CD/MP3-DVD module, SD/USB player, additional passive speakers, a carrier bag (shelter from the rain) and much more.

The complete accessory program you will find via the tab „accessories“.

Additionally ordered accessories we mount for you directly into the basic system MIDI-STEREO on demand.

Your individual mobile PA system is of course once more mechanically and electrically checked before delivery.



(Basic system)

MIDI-STEREO is a mobile PA system with integrated accumulator (12AH) and 2 x 50W (stereo) amplifier power.



TECHNICAL SPECIFICATION

Dimensions: H-410 x D-260 x W-246 [mm]

Outputs: 1 x CINCH (LINE-OUT)

Assembly: 1 x 8 inch FULL-RANGE

Inputs: 1 x COMBO (MIC.-LINE), 1 x CINCH (LINE-IN)

Equalization EQ: LOW/MID/HIGH filter

Frequency range: 60 Hz to 20.000 Hz

Weight: max. 10.5 kg, according to the built-in accessories

Speaker output: 1 x SPEAKON for auxiliary speaker
MINI-PASSIVE BOX

LED-display: AMP-ON, LIMITER-ON, BATT: FULL, OK, LOW

Power: 2 x 50 watts sine

Material: birch wood multiplex housing

Surface: polyurethane structure finish

On Board: audio compressor, Surround DSP,

Option/equipment: the complete accessory program you will find via the tab „accessories“.

Protection circuits: short circuit, overheating, limiter, battery management

SPL/Pmax/1 mtr: 110 [dB]

Tripod flange: yes

Power supply: 230VAC by switching power supply (14.4VDC)

Priority: voice over system with LONG/SHORT/ MUTE-TIME

SYSTEM DESCRIPTION

MAXI-MONO (basic system).

The portable system MAXI-MONO is a mobile sound system with integrated accumulator, 80W amplification power, equipped with 2 x 8" FULL RANGE Chassis.

This mobile sound system is put into a robust, glued and hard-wearing birch wood multiplex housing with polyurethane structure coating. The internal 2 x 8" speaker system provides a very powerful and clear audio performance of speech and music.

The system is perfectly suitable as tour guide system in museums, to be used in churches, schools, nursery schools, conferences, fairs – everywhere when flexibility and versatility are important.

Optional the MAXI-MONO system can be extended with further components like i.e. radio receivers 2 x 16 channels, radio microphones, SD/USB players, auxiliary speaker MAXI-PASSIVE BOX, carrier bags (shelter from the rain) or speaker tripods.

The complete accessories range you will find under the tab „accessories“. Additional ordered equipment we mount for you directly into the basic system MAXI-MONO on demand.

Your individual mobile sound system is of course once more mechanically and electrically checked before delivery.



(Basic system)

The portable system MAXI-MONO is a mobile sound system with integrated accumulator, 80W amplification power, equipped with 2 x 8" FULL RANGE Chassis (basic system).



TECHNICAL SPECIFICATION

Dimensions: H-490 x D-260 x W-246 [mm]

Outputs: 2 x cinch (LINE IN/OUT)

Battery management: yes, with LED display [LOW/OK/FULL/CHARGE]

Equipment: 2 x 8 inch FULL RANGE Chassis

Inputs: 1 x COMBO (MIC.-LINE), 1 x CINCH (LINE-IN)

Frequency range: 58 Hz to 20.000 Hz

Weight: max. 12 kg, according to built-in accessories

Speaker output: 1 x SPEAKON for auxiliary speaker MAXI-PASSIVE BOX (2 ohms)

LED display: AMP-ON, LIMITER-ON, BATT: FULL, OK, LOW

Power: 80 watts sine

Material: birch wood multiplex housing

Surface: polyurethane structure coating

On Board: internal accumulator 12VDC/7Ah

Option/accessories: the complete accessories range you will find under the tab „accessories“.

Protective circuit: short circuit, overheating, limiter, battery management

SPL/Pmax/1 mtr: 116 [dB]

Tripod flange: yes

Power supply: 230VAC by switching power supply (14.4VDC)

SYSTEM DESCRIPTION

MAXI-STEREO (basic system).

The portable system MAXI-STEREO is a mobile PA system with integrated accumulator (7AH) and 2 x 80W (stereo) amplifier power.

The PA system connects a robust, glued and heavy duty birch wood multiplex casing with structure coating on polyurethane base.

Speech transmission is optimal supported by the built-in VOICE-OVER system, as the volume of the playing background music is automatically driven.

By connection of an auxiliary passive speaker (optional accessories: MAXI PASSIVE BOX) the amplifier power will be increased for further 80 watts. Besides this, hereby a melodious panorama stereo effect is created.

In connection with the MAXI PASSIVE BOX and one of the optional multimedia modules the system is perfectly suitable for versatile multimedia PA system for i.e. events, performances, presentations, on sports fields, but also in nurseries and schools.

For multimedia applications also a LED display or television set can be connected to the MAXI STEREO system. Therefore vision and sound are supplied from only one source. Besides this, the complete system is foolproof and easy to operate.

Optional the MAXI STEREO basic system can be amplified with many selective components.

This includes amongst others: radio receiver 2 x 16 channel, radio microphones, CD/MP3-DVD module, SD/USB player, additional passive speaker, a carrier bag (shelter from the rain) and much more.

The complete accessories program you will find via the tab „accessories“.

Also ordered accessories we mount for you directly into the basic system MAXI-STEREO on demand.

Of course your individual mobile PA system is again mechanically and electrically checked before delivery.

(Basic system)

The portable system MAXI-STEREO is a mobile PA system with integrated accumulator (12AH) and 2 x 80W (stereo) amplifier power.



TECHNICAL SPECIFICATION

Dimensions: H-490 x D-260 x W-246 [mm]

Outputs: 2 x Cinch (LINE IN/OUT)

Battery management: yes, with LED display [LOW/OK/FULL/CHARGE]

Assembly: 2 x 8 inch FULL RANGE chassis

Inputs: 1 x COMBO (MIC.-LINE), 1 x CINCH (LINE-IN)

Equalization EQ: LOW/MID/HIGH filter

Frequency range: 58 Hz to 20.000 Hz

Weight: max. 12 kg, according to the built-in accessories

Speaker output: 1 x SPEAKON for auxiliary speaker MAXI PASSIVE BOX (2 ohms)

LED display: AMP-ON, LIMITER-ON, BATT: FULL, OK, LOW

Power: 2 x 80 watts sine

Material: birch wood multiplex casing

Surface: polyurethane structure coating

On Board: audio compressor, surround DSP

Option/accessories: the complete accessories program you will find via the tab „accessories“.

Protective circuits: short circuit, overheating, limiter, battery management

SPL/Pmax/1 mtr: 116 [dB]

Tripod flange: yes

Power supply: 230VAC by switching power supply (14.4VDC)

Priority: Voice-over system with LONG/SHORT/ MUTE-TIME



Sound carrier module: MOD-DVD

SYSTEM DESCRIPTION

The MOD-DVD player module is intended especially to be mounted into all basic systems of our mobile PA systems of the series MINI, MIDI and MAXI (MONO and STEREO).

The module MOD-DVD includes besides a DVD-CD-Player with slot-in load mechanism also an USB port for music reproduction of USB storage rmediums as well as a slot for SD /MMC cards.

With the supplied IR remote control all functions can be remote controlled.

For multimedia application also a LED display or TV can be connected with the MOD-DVD system (VIDEO-OUT jack).

In connection with one of our basic PA systems of the series MINI, MIDI or MAXI therefore VISION and SOUND are fed from only one source.

If you order additionally one of the corresponding basic systems (MINI, MIDI or MAXI; see for this category: „mobile PA systems“), of course we directly mount for you the module on demand.

Your individual mobile PA system is of course once again mechanically and electrically checked before it will be delivered to you.



TECHNICAL SPECIFICATION

- **Dimensions:** W-174 x H-52 x D-160 [mm]
- **Anti-Shock system:** yes
- **DVD sizes:** DVD/ AVI/ DivX and Mp3/Mp4/ VCD
- **Remote control:** yes
- **Frequency range:** 20 Hz to 20.000 Hz
- **Slot: SD/MMC:** FAT32 up to 32 GB storage
- **Voltage supply:** 12 VDC
- **Power consumption:** 800 mA

KRU-162 Installation wireless receiver module with 2 x 16-channel PLL true diversity UHF-radio channels and pilot signal



SYSTEM DESCRIPTION

Radio receiver module: KRU-162, 863 MHz – 865 MHz (public domain frequencies)

Installation receiver module with 2 x 16-channel PLL true diversity UHF radio channels and pilot signal. Suitable for all mobile sound systems of the series: MINI/MIDI/MAXI (MONO and STEREO).

On the front side of the receiver there are following control elements:

- 1.- Separate volume controls per channel „VOL-A“ and „VOL-B“
- 2.- UP/DOWN channel select keys (A/B)
- 3.-Two diversity reception indicator channel A/B
- 4.- AF- LEVEL level bars
- 5.- LED displays of the reception channels
- 6.-POWER switch with operating display

TECHNICAL SPECIFICATION

Operating mode: UHF-Band (EU registration free and free of charge)

Display: yes

Dynamics: 90dB. A-assessed

Frequency range HF: 863 MHz – 865 MHz (public domain frequencies)

Frequency response NF: 50 Hz to 16.000 Hz (-3dB)

Channel selection: 2 x 16 channels

Modulation: FM

Power supply: 12 to 18 VDC internal power supply

Kind of system: True diversity system

THD@1kHz: < 1%

Ambient temperature: -10 degrees to +50 degrees



KST-6U radio hand microphone with 16 selectable frequencies in UHF band (863 MHz-865 MHz range)



KLT-6U Lavalier- resp. CLIP
radio microphone system KLT-6U.

SYSTEM DESCRIPTION

The professional lavalier- resp. CLIP microphone system KLT-6U in unobtrusive, discreet design offer their users an unlimited mobility for language lectures.

Scope of supply contains:

- 1 x Bodypack pocket sender (UHF 16 channels)
- 1 x Clip microphone with connection cable

The professional radio hand microphone KST-6U with 16 selectable frequencies in UHF band (863 MHz-865 MHz range, within the EU registration free and free of charge), suitable for all MINI-MONO/STEREO, MIDIMONO/STEREO and MAXI-MONO/STEREO mobile basic sound systems.

TECHNICAL SPECIFICATION

- Output power: 10 mW
- Output level: +10dBm
- Operating mode: UHF band (EU registration free and free of charge)
- Operating time: up to 10 hours
- Dynamics: 90dB. A-assessed
- Frequency range HF: 863 MHz – 865 MHz (public domain frequencies)
- Frequency range NF: 50 Hz to 16.000 Hz (-3dB)
- Distance: +/- 40kHz
- Channel selection: rotary switch, 16 channels
- Modulation: FM
- ON/OFF: Power switch with MUTE function
- Voltage supply: 2 x Alkali batteries TYPE: AA
- THD@1kHz: < 1%
- Typical range: with typical ambient conditions up to 100 m





Headset microphone system HAT-1C/KLT-6U,
863 MHz – 865 MHz
(EU public domain frequencies).



SYSTEM DESCRIPTION

The professional headset microphone system HAT-1C/KLT-6U is especially resistant against sweat, make up and humidity.

Advantages of the headset system: the user has his hands free during presentations and so he will have an unlimited mobility.

The headset system HAT-1C/KLT-6U is designed for audio recording of song and speech and is especially suitable for applications at aerobics/dance, sport or for instrumental artists and entertainers.

Included in delivery are:

- 1 x Body-pack (UHF 16 channels)
- 1 x Headset with connection cable

TECHNICAL SPECIFICATION

Output power: 10 mW
Output level: +10dBm
Operating mode: UHF band (EU registration free and free of charge)
Operating time: up to 10 hours
Dynamics: 90dB. A-assessed
Frequency range HF: 863 MHz – 865 MHz
(public domain frequencies)
Frequency range NF: 50 Hz to 16.000 Hz (-3dB)
Distance: +/- 40kHz
Channel selection: rotary switch, 16 channels
Modulation: FM
ON/OFF: Power switch with MUTE function
Voltage supply: 2 x Alkali batteries TYPE: AA
THD@1kHz: < 1%
Typical range: with typical ambient conditions up to 100 m



Sound carrier module: MOD-USBSD.G



Sound carrier module: MOD-USBSD.K



SYSTEM DESCRIPTION

Sound carrier module: MOD-USBSD.G

The big audio module MOD-USBSD.G is especially intended to be mounted into all basic systems of our mobile PA systems series MINI, MIDI and MAXI (MONO and STEREO).

The module is equipped with an USB port for music reproduction of USB storage mediums and a slot for SD /MMC cards. With the delivered IR remote control all functions can be remote controlled.

If you additionally order one of the corresponding basic systems (MINI, MIDI or MAXI; to this see category: „mobile PA systems“), of course we mount the module directly for you on demand.

Your individual mobile PA system is of course once again mechanically and electrically checked before delivery.

Sound carrier module: MOD-USBSD.K

The small MOD-USBSD.K audio module is especially intended to be mounted into all basic systems of our mobile PA systems, series MINI, MIDI and MAXI (MONO and STEREO).

The module is equipped with an USB port for music reproduction of USB storage mediums and a slot for SD /MMC cards.

With the included IR remote control all functions can be remote controlled.

TECHNICAL SPECIFICATION MOD-USBSD.G

Control elements: 12 one-touch keys (jingles), numerical keyboard (title direct call), file navigation

Remote control: yes, IR system

Size: MP3

Frequency range: 20 Hz to 20.000 Hz

LED display: yes

Repeat functions: repeat 1x, repeat-ALL, album

Slot: SD/MMC: FAT32 up to 32 GB storage

Power consumption: 200 mA

Power supply: 12VDC

USB interface: slave

MOD-USBSD.K

Remote control: yes, IR system

Size: MP3

Frequency range: 20 Hz to 20.000 Hz

Slot: SD/MMC: FAT32 up to 32 GB storage

Voltage supply: 12 VDC

Power consumption: 200 mA

USB interface: slave



MINI PASSIVE BOX, speaker with a frequency range of 65 Hz - 20 kHz is equipped with an 8" FULL-RANGE Chassis

SYSTEM DESCRIPTION

Small enough, in order nearly to be surveyed, and nevertheless the MINI PASSIVE BOX auxiliary speaker has the acoustic feature of a true giant. This speaker system is the smallest for our new mobile PA systems. Its features are: extraordinary practical and easy to use.

In spite of its limited size and low weight, the speaker offers a maximum sound pressure of 110 dB (SPL max). Its power, comparably with the power of "bigger" systems, the MINI PASSIVE BOX represents the ideal sound solution, if at the same time compact dimensions are demanded.

The speaker with a frequency range of 65 Hz - 20 kHz is assembled with an 8" FULL-RANGE Chassis.

The speakers are made of 13-fold birch wood and equipped with high-strength black polyurethane structure finish.

TECHNICAL SPECIFICATION

Dimensions: H-330 x D-260 x W-246 [mm]

Connection: 1 x SPEAKON

Basic system: MINI-MONO/MINI-STEREO

Assembly: 1 x 8 inch FULL-RANGE

Frequency range: 65 Hz to 20.000 Hz

Weight: 5,0 kg

Impedance: 4 ohms

Power: 50 watts sine

Surface: polyurethane structure finish

SPL/1W/1mtr: 93 dB

SPL/Pmax/1 mtr: 110 dB

Tripod flange: yes



MIDI PASSIVE BOX, compact, but powerful auxiliary speaker – assembled with an 8“ FULL-RANGE Chassis and 50 W sine power.

SYSTEM DESCRIPTION

Compact, but powerful MIDI-PASSIVBOX auxiliary speaker – assembled with an 8“ FULL-RANGE Chassis and 50 W sine power.

The sound quality and the ratio between power and size have been the focus of developing the MIDI PASSIVE BOX speaker.

The cabinet's adjustment has been optimized to guarantee a maximum mid-range/treble power with sufficient low frequency extension.

The speaker are made of 13-fold birch wood and coated with high-rigid black polyurethane structure finish.

TECHNICAL SPECIFICATION

Dimensions: H-410 x D-260 x W-246 mm

Connection: 1 x Speakon jack

Basic system: MIDI-MONO and MIDI-STEREO

Assembly: 1 x 8 inch FULL RANGE

Frequency response: 60 Hz-20.000 Hz

Weight: 6 kg

Impedance: 4 ohms

Power: 50 watts sine

Surface: polyurethane structure finish

SPL/1W/1mtr: 93 dB

SPL/Pmax/1 mtr: 110 [dB]

Tripod flange: yes



The MAXI PASSIVE BOX is a FULL-RANGE, 100 watts sine speaker system which is equipped with 2 x 8" chassis, 2 Ohm.

SYSTEM DESCRIPTION

The MAXI PASSIVE BOX is a FULL-RANGE speaker system which is equipped with 2 x 8" chassis. The system is produced robust and has an excellent price-performance-ratio.

Even the speaker has been developed to operate mainly at high sound pressures (116 dB SPL max.), its clear sound- and bass performance make the MAXI PASSIVE BOX speaker ideal for each application.

The speakers are made of 13-fold birch wood and coated with high-strength black polyurethane structure finish.

TECHNICAL SPECIFICATION

Plug connection: 1 x SPEAKON

Tripod flange: yes

SPL/Pmax/1 mtr: 116 [dB]

SPL/1W/1mtr: 96 dB

Surface: Polyurethane structure coating

Power: 100 watts sine

Impedance: 2 ohms

Weight: 7.0 kg

Frequency range: 58 Hz to 20.000 Hz

Equipment: 2 x 8 inch FULL RANGE Chassis

Basic system: MAXI-MONO/MAXI-STEREO

Dimensions: H-490 x D-260 x W-246 [mm]