



the
box **pro**

MA 205
active monitor

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1 General notes




This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to other users, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
 A yellow triangular warning sign with a black border and a black lightning bolt symbol in the center.	Warning – high-voltage.
 A yellow triangular warning sign with a black border and a black symbol of a person standing next to a suspended load.	Warning – suspended load.
 A yellow triangular warning sign with a black border and a black exclamation mark in the center.	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used in a sound reinforcement system. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety



DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.



DANGER!

Electric shock caused by short-circuit

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.



CAUTION!

Possible hearing damage

The device can produce volume levels that may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage.

Decrease the volume level immediately if you experience ringing in your ears or hearing impairment. If this is not possible, keep a greater distance or use sufficient ear protectors.



NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.



NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.



NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

Special features of the device:

- 2 × 5" speakers
- XLR, 1/4" and RCA connections
- Horizontal and vertical wall mounting, swivelling wall bracket included
- Tripod mountable with optional accessories
- Charcoal coloured case made of highly durable plastic

4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.



WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.



NOTICE!

Possible property damage by magnetic fields

Loudspeakers produce a static magnetic field. Therefore, maintain an appropriate distance to devices that can be adversely affected or damaged by an external magnetic field.



NOTICE!

Use of stands

When mounting the device onto a stand, ensure that the stand is in a safe and stable position and that the weight of the device does not exceed the maximum permissible load capacity of the stand.

4.1 Tips on handling speakers

We recommend you to set up the speakers in a way, that the sound signals can reach the audience unobstructedly. It will often be helpful to mount the speakers on tripods. Thus, the sound will be evenly spread with maximum range throughout the audience area.

Always use high grade cable to connect your equipment. Otherwise you won't reach maximum sound quality.

For optimum results both impedance and power handling of the speakers must match the requirements of the amplifier. Always follow the technical specifications of the speakers! The overall impedance of the connected loudspeakers must not exceed the minimum output impedance of the amp. The amps max. RMS output power should be 50 % above the power handling capacity of the connected speakers.

If you notice distortion during operation, either the amp or the speaker is overloaded. This may permanently damage the amp or the speaker. Always reduce the volume when you hear distortion.

4.2 Wall / tripod mounting

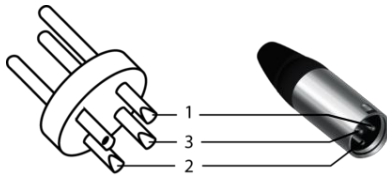
This device is also suitable for wall or tripod mounting. For wall mounting, there are threads for attaching the swivelling wall mount at the bottom and right side of the device.

To mount the unit on a tripod, use the optional accessories.

4.3 Pin assignment

You can use XLR and 1/4" plugs with balanced or unbalanced wiring. In the following, we will give you an overview of the various options.

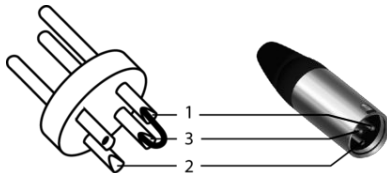
XLR connections for signal in and outputs



XLR mounting sockets serve as signal inputs, XLR mounting plugs serve as signal outputs. Drawing and table indicate the XLR pin assignment.

Balanced wiring:

1	Ground, shielding
2	Positive signal (+)
3	Negative signal (-)



Unbalanced wiring:

1	Ground, shielding
2	Signal
3	Bridged to pin 1

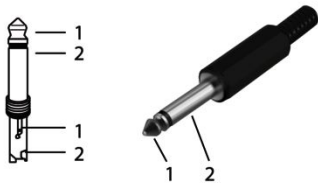
RCA connections for signal inputs



Drawing and table indicate the RCA pin assignment.

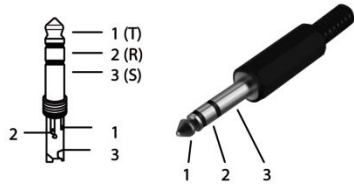
1	Signal
2	Ground, shielding

Phone sockets for signal inputs



Drawing and table indicate the pin assignment of 1/4" TS phone plugs to be used
Unbalanced wiring:

1	Signal
2	Ground, shielding

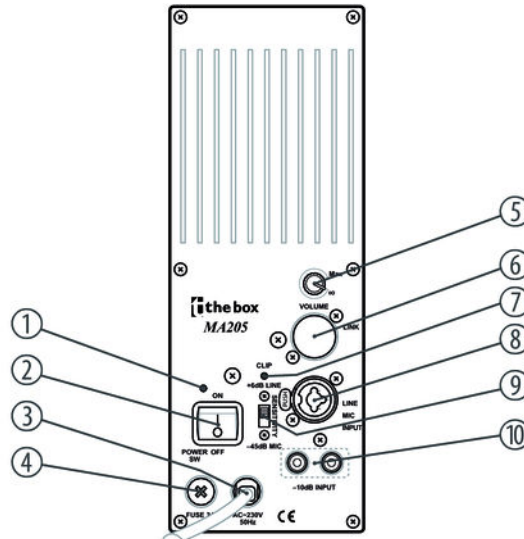


Balanced wiring:

1 (Tip)	Positive signal (+)
2 (Ring)	Negative signal (-)
3 (Sleeve)	Ground, shielding

5 Connections and operating elements

Rear panel



MA 205

1	LED ON This LED lights up blue when the device is turned on.
2	Mains switch POWER SW Turns the device on and off.
3	Power chord.
4	FUSE 2A Fuse holder.
5	Rotary control VOLUME Use this control to adjust the volume.
6	XLR mounting plug LINK (balanced). Upon delivery fitted with plastic cover. Via this output the signal can be fed to other MA 205 or other active speakers.

7	LED CLIP This LED blinks or lights red when overload occurs. In this case, reduce the level of the input signal.
8	XLR / 1/4" combo socket LINE MIC INPUT Input for balanced and unbalanced signals with line or microphone level.
9	Slide switch SENSITIVITY To select the input sensitivity: <ul style="list-style-type: none">■ + 6dB Line for signals with line level■ -45dB MIC for signals with microphone level.
10	RCA sockets -10dB INPUT Additional input for signals with a sensitivity of -10 dB. This input is not subject to the volume control through the VOLUME dial.

6 Technical specifications

Speakers	2 × 5" speakers
Maximum SPL (1 W, 1 m)	114 dB / 120 dB (max.)
Frequency response	75 Hz ... 16 kHz / ±10 dB
Rated output power	80 W, AES
Inputs	XLR / 1/4" combo sockets, RCA sockets
Outputs	XLR mounting plug
Operating supply voltage	230 V ~ 50 Hz
Power consumption	100 W
Fuse	5 mm x 20 mm, 2 A, 250 V, slow blow
Mounting points for wall mounting	below and right
Dimensions (W × D × H)	195 mm × 195 mm × 315 mm
Weight	5.5 kg

7 Troubleshooting

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
The unit does not work	Check the mains power connection and the position of the power switch <i>[POWER]</i> .
The CLIP LED lights up constantly	Turn down the volume or attenuate the signal at the source.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at www.thomann.de.

8 Protecting the environment

Disposal of the packaging material



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.



