

**MA 1220 MKII**

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**Owner's Manual**

**Active 2-way Full Range Monitor**

**12/1"  the box**

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## Important Safety Instructions

For your own safety you must read this section in full first!



## Intended use

This active speaker is intended exclusively for the transmission of audio signals according to this manual and the specifications given here. By using it in any other way you face the **risk of electric shock**. No warranty claims will be granted for damage resulting from improper use!

### **Risk of electrical shock!**

- Connect the device only to a properly wired and earthed electrical wall socket providing the mains voltage listed in the chapter “Technical specifications” of this manual.
- NEVER operate the speaker box if the power plug or power the cord is damaged.
- NEVER submerge the speaker box in water. Liquid getting into the box will risk a short circuit and will be hazardous.
- NEVER expose the speaker box to direct precipitation or moisture and never use it in a damp or wet environment. This speaker box was developed for indoor use only. Do not use it outdoors.
- Do not subject the speaker box to high temperatures, direct sunlight, severe vibrations, shocks or tremors, or excessive dust.
- Ensure that the power cord does not become wet during operation.
- You must NEVER open the housing of the speaker box or try to repair it. There are no user serviceable parts inside. Warranty will become void if you open the housing and you face the **risk of electric shock**.
- Do not place objects containing fluids, e.g. flower vases or beer bottles, on or near the device.
- Notice regarding power disconnection:  
To switch the device off and to disconnect it from the power source the power plug must be removed from the power socket. For this reason the device should be placed in a position where a constant unobstructed access to the power socket is assured, thus in an emergency situation you are able to immediately pull out the power plug. To eliminate the risk of fire you must completely disconnect the power plug from the power socket after the device has been used.

- Always grasp the power cord by the plug. Do not pull on the cord itself and never touch the power cord with wet hands as this could result in a short circuit or an electrical shock. Do not place the device, other speaker cabinets or anything else on the power cord and make sure that it does not become clamped. Place the power cord in a position where it can not be trod on. A damaged power cord can cause a fire or an electrical shock. Check the power cord from time to time. Should it become damaged contact our customer service centre to have it replaced.

 **Risk of fire!**

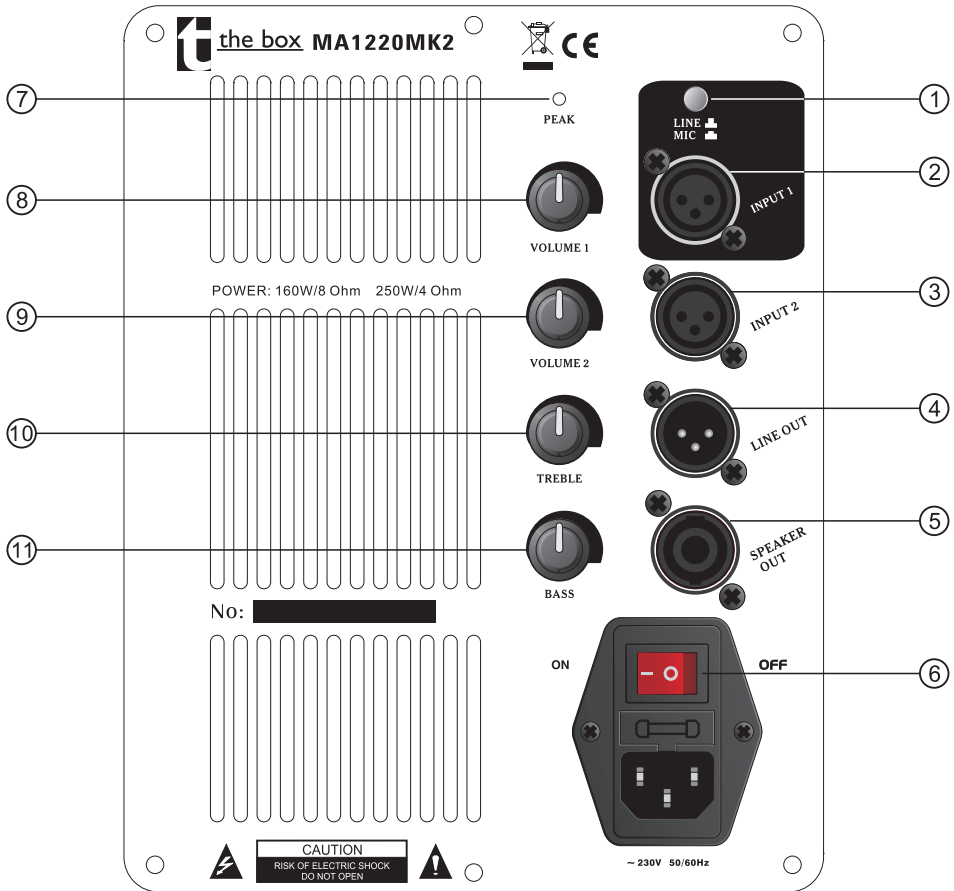
- NEVER leave the device unattended while it is switched on.
- Do not place any open sources of fire, like candles, on the device.
- Never operate the speaker box in the vicinity of heat sources such as cookers, heating elements, lighting equipment, smoke machines, or other heat producing installations.
- When a thunderstorm with the risk of lightening threatens please disconnect the device from the mains power.

 **Risk of personal injury!**

- Keep the power cord and device away from children. Children frequently underestimate the dangers of electrical equipment.
- Ensure a safe location for the device. Flying and installation of this speaker cabinet must be carried out by suitably qualified personnel following the approved safety standards.
- Do not stack the speaker cabinet in a manner that could cause injury should a cabinet become dislodged.
- Do not operate the device if it has sustained a fall or is damaged. Arrange for the device to be checked and/or repaired by qualified technicians.
- **Important!** Keep sufficient distance from the speaker box when operated with high volume level. Listening to music with high sound pressure level may cause permanent damage to your hearing!
- Before connecting or operating this speaker box, please study and follow the instruction manuals of all devices connected to the box, paying particular attention to the operating precautions and wiring procedure.



## The operating elements



### 1. LINE/MIC

Level adjust switch for input 1. Press down this switch, when connecting audio signals with microphone level to INPUT 1. Release the switch, when connecting line level signals.

### 2. Input 1 socket

Here you can connect microphone or line level audio signals to be transmitted by the monitor. Select the desired input level using the LINE/MIC switch ①.

### 3. Input 2 socket

Here you can connect line level audio signals to be transmitted by the monitor.

#### **4. Line output socket**

Output level is -0dB, connect this output signal to the line input socket of another unit.

#### **5. Speaker output socket**

Outputs a flat frequency curve, can drive a standard passive speaker with minimum impedance of  $8\Omega$ . This output is optimized for usage of model M 1220 MK2, available at Thomann as well.

#### **6. Power supply input socket**

Connect the power cable here. With fuse and ON/OFF switch, the indicator is lit up when the unit is turned on. After usage, please turn off the power switch. Input Voltage: AC230V~, 50Hz/60Hz.

#### **7. Peak indicator**

When the output volume is at maximum, this indicator will be flashing. Please then reduce the volume to assure safe operation with clear audio output.

#### **8. Volume 1 control**

Turn it clockwise to increase the volume of the Input 1, turn it counterclockwise to reduce the volume. Please take care, that the peak indicator does not lit up.

#### **9. Volume 2 control**

Turn it clockwise to increase the volume of the input 2, turn it counterclockwise to reduce the volume. Please take care, that the peak indicator does not lit up.

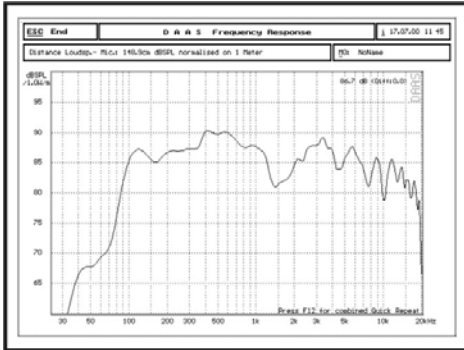
#### **10. Treble control**

Turn it clockwise to increase the high frequencies. Turn it counterclockwise to attenuate high frequencies.

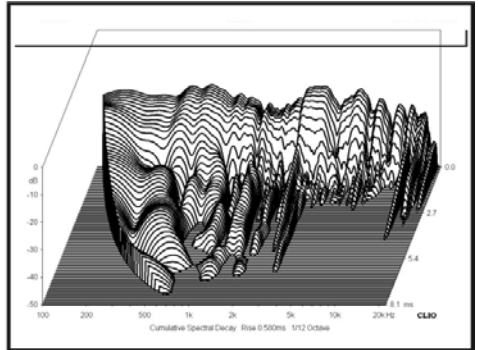
#### **11. Bass control**

Turn it clockwise to increase the low frequencies. Turn it counterclockwise to attenuate the low frequencies.

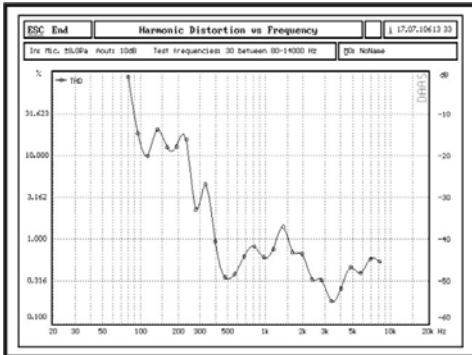
## Technical Measurements



Frequency response, SPL/2.83v



Waterfall spectrum analysis



Harmonic distortion 106dB/2.5m, nominal impedance

## Cleaning and Care

Do not attempt to clean the plastic enclosure with solvents or petrochemical based cleaners. Wipe it only with a slightly damp cloth.

## Disposal

**Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.**

- Have the product disposed of by a professional disposal company or by your communal disposal facility.
- Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- Dispose of packaging materials in an environmentally responsible manner.



## Technical specifications

Mains voltage .....	: AC230V~, 50/50Hz
System .....	: Built-in crossover two way full range active speaker
Cabinet material .....	: Plywood covering black toast painting
Cabinet Colour .....	: Black
Driver Quantity .....	: 1 x 12" (Bass), 1 x 44mm Driver
Tweeter Dispersion (H x V) .....	: (55° - 100°) x 50°
Frequency Response (-3dB) .....	: 65Hz - 18kHz
Max SPL (1m) .....	: 123dB (Free Field)
Level Adjust .....	: ±12dB (10kHz) - Treb ±12dB (100Hz) - Bass
Output power .....	: 160W/8 Ohm, 250W/4 Ohm
Distortion .....	: Line - 0.02%, Microphone 0.04%
Load impedance .....	: 160W@8Ω, 250W@4Ω
Input impedance .....	: Balanced - 20kΩ, unbalanced - 10kΩ
Connectors .....	: XLR, K3P, J3P, Speakon 1+ 1-
Dimensions (WxDxH) .....	: 396 x 408 x 536mm
Packing Dimensions (WxDxH) .....	: 622 x 492 x 502mm
Net Weight .....	: 18 kg
Gross Weight .....	: 20 kg

As we continuously strive to improve our products, all specifications and appearance are subject to change without prior notice.

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the box