

PA 110 A



Owner's Manual

ACTIVE 2-WAY FULL RANGE SPEAKER



the box
PRO SPEAKER

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 one of the mains voltages listed in the chapter “Technical specifications” of this manual. Pay attention to the correct setting of the mains voltage switch.
- 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!***

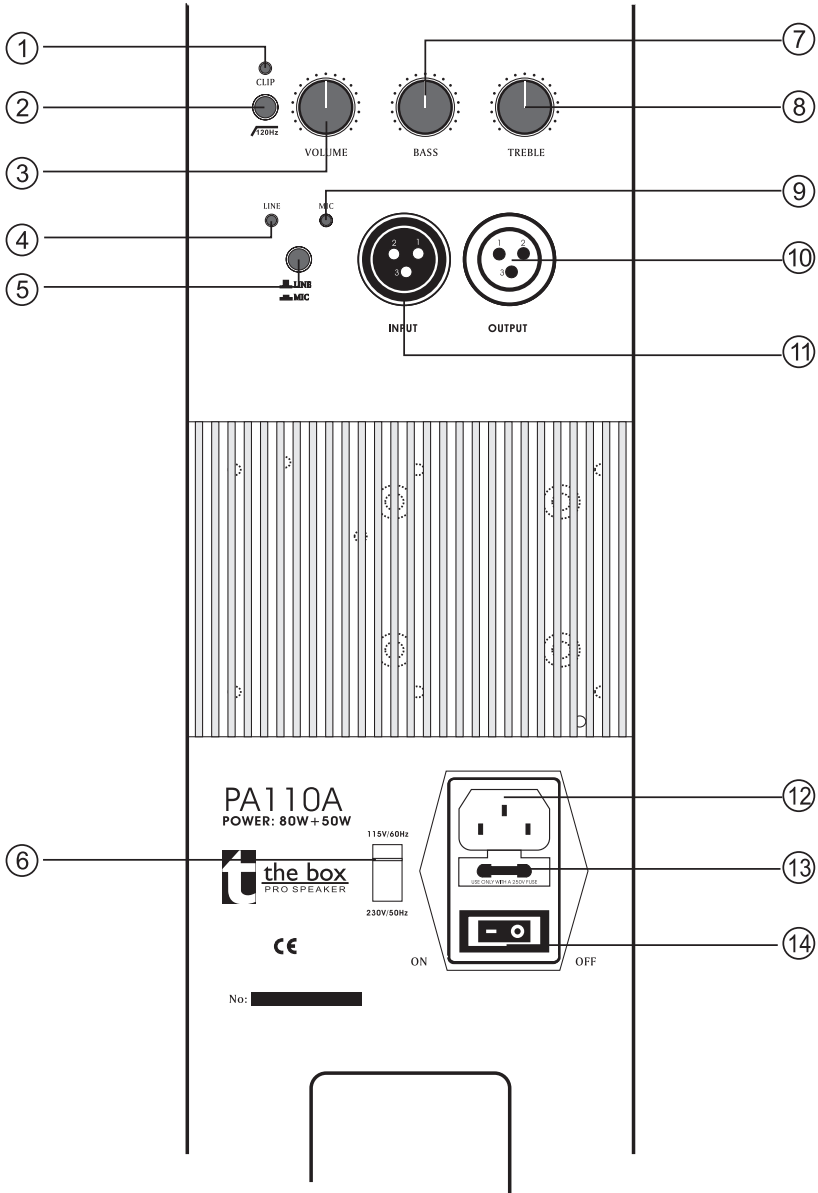
- NEVER leave the device unattended while it is switched on.
- Do not place any open sources of fire, like candles, on the device.
- Never operate the speaker box in the vicinity of heat sources such as cookers, heating elements, lighting equipment, smoke machines, or other heat producing installations.
- 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. CLIP**
Clipping indicator. When this indicator is flashing, please reduce the volume to assure safe operation with clear audio output.
- 2. LOW CUT @ 120 Hz**
Press this button to activate a low frequency attenuation below 120 Hz to reduce stage rumble noises and thereby protect the woofer.
- 3. VOLUME**
Volume control. Increase the volume by rotating clockwise and decrease the volume by rotating counter-clockwise. Attention: First please adjust the volume to minimum before switching the unit on and transmitting signals. Then adjust to appropriate volume.
- 4. LINE**
Line input signal presence indicator.
- 5. LINE/MIC**
Level adjust switch for the input. For safety reasons this switch needs to be pressed deeply with a pen-like object, until it clicks into place. Press down this switch, when connecting audio signals with microphone level to the INPUT socket. Release the switch, when connecting line level signals.
- 6. 115V/230V**
Mains voltage selector. Make sure this selector is set correctly for the supply voltage at the place of operation.
- 7. BASS**
Turn it clockwise to increase the low frequencies. Turn it counterclockwise to attenuate the low frequencies.
- 8. TREBLE**
Turn it clockwise to increase the high frequencies. Turn it counterclockwise to attenuate high frequencies.
- 9. MIC**
Microphone input signal presence indicator.
- 10. OUTPUT socket**
Line output. Connect here additional active speaker boxes.
- 11. INPUT socket**
Connect the input device here.
- 12. Power supply input**
Make sure that the voltage selector ⑥ is set correctly for the supply

voltage at the place of operation, **BEFORE** you connect the mains power.

13. Mains Fuse

If this fuse blows, a qualified technician must replace it by a new one of same specifications.

14. ON/OFF

Power ON/OFF switch. Press on “I” marking to switch the active speaker on. Press on “O” marking to switch the active speaker off.

Technical specifications

Mains voltage	: AC115V~, 50/60Hz AC230V~, 50/60Hz
System	: Built-in crossover two way full range active speaker
Cabinet material	: Polypropylene, Trapezoid
Cabinet Color	: Black
Driver Quantity	: 1 x 10" Ø (Bass) 1 x 34 mm Ø Driver
Tweeter Dispersion(HxV)	: 90° x 60°
Frequency Response (-3dB)	: 55Hz - 18kHz
Frequency Response (-10dB)	: 50Hz - 20kHz
Max Sound Level	: 117dB/1m
Level Adjust	: ±10dB (10kHz) - Treble ±10dB (100Hz) - Bass
Output power	: 80W (Bass) + 50W (Treble)
Distortion	: Line - 0.02%, Microphone - 0.04%
Load impedance	: Treb - 8Ω, Bass - 8Ω
Input impedance	: Line - 20kΩ, Mic - 10kΩ
Connectors	: XLR
Dimensions (WxDxH)	: 321 x 321 x 464mm
Packing Dimensions (WxDxH)	: 375 x 355 x 535mm
Net Weight	: 10.5 kg/pc
Gross Weight	: 12.2 kg/pc

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

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.



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