

User  
Manual

**POWER BOX 51**  
Powered loudspeakers system



# Safety instructions

When using this electronic device, basic precautions should always be taken, including the following:

- 1 Read all instructions before using the product.
- 2 Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool etc).
- 3 Use this device when you are sure that amplifier has a stable base and it is fixed securely.
- 4 This product, in combination with audio source may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult with otorhinolaryngologists.
- 5 The product should be located away from heat sources such as radiators, heat vents, or other devices that produce heat.
- 6 The product should be connected to a power supply that is described in the operating instructions or are marked on the product.
- 7 The power supply should be undamaged and never share an outlet or extension cord with other devices. Never leave device plugged into the outlet when it is not being used for a long period of time.
- 8 Care should be taken that objects do not fall into liquids and liquids would not be spilled on the device.
- 9 The product should be serviced by qualified service personnel if:
  - The power supply or the plug has been damaged.
  - Objects have fallen into or liquid has been spilled on the product.
  - The product has been exposed to rain.
  - The product has been dropped or the enclosure damaged.
- 10 There are some areas with high voltage inside, to reduce the risk of electric shock do not remove cover of the microphone receiver or power supply. The cover should be removed by the qualified personnel only.

 <p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p>	<p>To reduce the risk of electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel. To reduce the risk of fire, electric shock or product damage, do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.</p>
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# Before you start

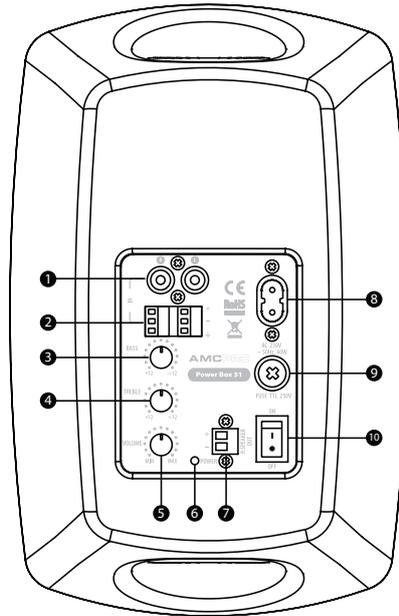
Power Box 51 is a pair of two way loudspeakers consisting of loudspeaker with built-in stereo amplifier and second non powered loudspeaker ready to connect to active by Euroblock connector. High efficiency 2 x 20 W D class power amplifier. 5" woofer and 1" tweeter. U-bracket for mounting on the wall or ceiling.

## FEATURES

- D class amplifier
- 5" woofer and 1" tweeter
- Volume and tone control
- Stereo RCA audio input
- Balanced audio input

# Operation

## Rear Panel



1. RCA inputs | 2. Balanced input | 3. Bass control | 4. Treble control | 5. Volume control  
 6. Power indicator | 7. Right speaker output | 8. Power connector | 9. Fuse | 10. Power switch

# Operation

## Rear panel operation

### **RCA INPUTS**

This is line level audio input. Connector type - stereo RCA.

### **BALANCED INPUT**

Balanced line level audio input with euroblock connector.

### **BASS CONTROL**

Bass control allows adjusts low frequency performance in  $\pm 12$  dB range. Tone doesn't affect sound when the knobs are set to middle position.

### **TREBLE CONTROL**

Treble control allows adjusts high frequency performance in  $\pm 12$  dB range. Tone doesn't affect sound when the knobs are set to middle position.

### **VOLUME CONTROL**

This rotary potentiometer is designed to adjust volume level of Power box 51 loudspeaker.

### **POWER INDICATOR**

Green color LED indicates if the supply voltage is turned on.

### **RIGHT SPEAKER OUTPUT**

Output is designed to connect passive Power box 51 loudspeaker to amplifier. Please pay attention to polarity during installation. Minimum loudspeakers load  $8\Omega$ .

### **POWER CONNECTOR**

This connector is designed to connect main power to the amplifier.

### **FUSE**

Please use T1L 250V fuse. Disconnect main power cable before replacing fuse! Contact qualified service if fuse blows up constantly.

### **POWER SWITCH**

Use this switch to power on/off loudspeaker's amplifier.

# General Specifications

## POWER BOX 51

Frequency response	120 Hz – 20 kHz
Speaker size	5" woofer, 1" tweeter
Rated Power	2 x 20 W
Speakers Sensitivity	88 dB (1W/ 1m)
Maximum SPL NG	91 dB (Pmax / 1 m) at 1000 Hz
Input sensitivity	300 mV

Dispersion	130° (H), 150° (V)
Tone	Bass ± 12 dB, Treble ± 12dB
Material	plastic housing, steel bracket and grill
Dimensions	252 mm x 163 x 163 mm
Weight:	
Active speaker	4 kg
Passive speaker	2.2 kg

The specifications are correct at the time of printing this manual. For improvement purposes, all specifications for this unit, including design and appearance, are subject to change without prior notice.