



**fur**generation

BP 108 A

aktiver  
2-wege-lautsprecher

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# 1 General information

This user manual contains important information on the 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 another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice. Please refer to the latest version of the user manual which is ready for download under [www.thomann.de](http://www.thomann.de).

## 1.1 Further information

On our website ([www.thomann.de](http://www.thomann.de)) you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

## 1.2 Notational conventions

This manual uses the following notational conventions:

### Letterings

The letterings for connectors and controls are marked by square brackets and italics.

**Examples:** *[VOLUME]* control, *[Mono]* button.


### Displays


Texts and values displayed on the device are marked by quotation marks and italics.

**Examples:** *'24ch'*, *'OFF'*.

## 1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
<b>DANGER!</b>	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.
<b>WARNING!</b>	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.
<b>CAUTION!</b>	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
<b>NOTICE!</b>	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
	Warning – high-voltage.

Warning signs	Type of danger
	Warning – danger zone.



## 2 Safety instructions

### Intended use

This device is designed for sound reinforcement. 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.



#### **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.

Do not use the device if covers, protectors or optical components are missing or damaged.



**DANGER!**

**Electric shock caused by short-circuit**

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. 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.



**WARNING!**

**Incorrect handling of lithium batteries can result in injury**

In the event of a short circuit, overheating or mechanical damage, lithium batteries can cause severe injuries.

Follow the advice on the correct handling of lithium batteries in the present section.



### **NOTICE!**

#### **Risk of fire**

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.



### **NOTICE!**

#### **Risk of fire due to incorrect polarity**

Incorrectly inserted batteries may destroy the device or the batteries.  
Ensure that proper polarity is observed when inserting batteries.

**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.

Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures).

Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.



### **NOTICE!**

#### **Possible damage by leaking batteries**

Leaking batteries can cause permanent damage to the device.

Take batteries out of the device if it is not going to be used for a longer period.



### **NOTICE!**

#### **Possible staining**

The plasticiser contained in the rubber feet of this product may possibly react with the coating of your parquet, linoleum, laminate or PVC floor and after some time cause permanent dark stains.

In case of doubt, do not put the rubber feet directly on the floor, but use felt-pad floor protectors or a carpet.

### 3 Features

The mobile PA system is characterized by the following features:

- 2-way active speaker box for PA and DJ application
- Maximum output power: 60 W
- 8" woofer
- 1" compression driver
- 2-band equalizer
- Built-in media player with display, SD/MMC card slot, USB port and Bluetooth receiver
- 2 × MIC input (1/4" phone socket)
- 1 × RCA socket pair
- Solid plastic housing with pole mount and handles
- Includes power supply

## 4 Starting up

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

Create all connections while the device is off. Use the shortest possible high-quality cables for all connections. Take care when running the cables to prevent tripping hazards.



### **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.



Das Gerät kann auf ein Stativ montiert bzw. auf dem Boden oder einer ausreichend dimensionierten und stabilen Oberfläche, z.B. einer Wandhalterung aufgestellt werden.

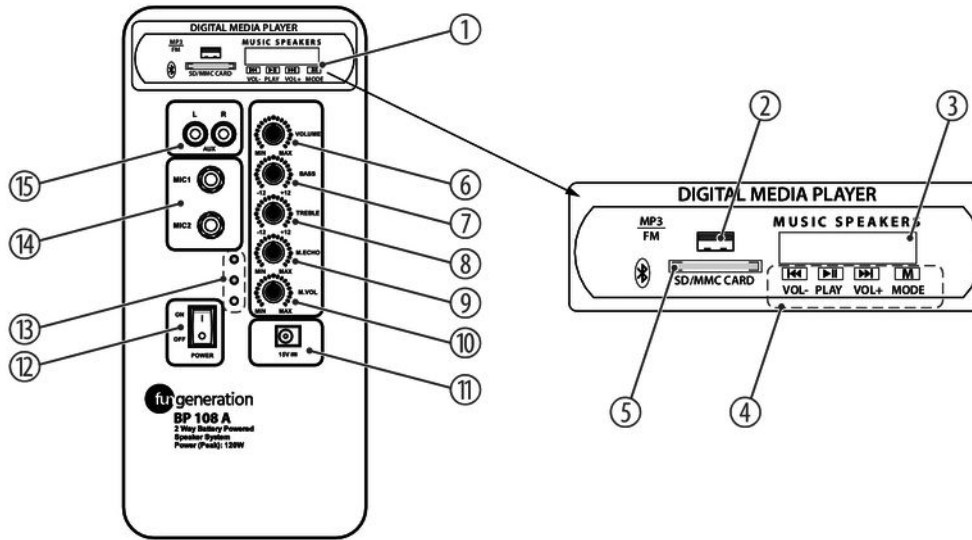


**NOTICE!**

**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.

## 5 Connections and controls



1	Media-Player
2	USB-Anschluss
3	Display
4	Auswahl- und Steuerungstasten des integrierten Media-Players:
	<b>⏮</b>
	Drücken Sie die Taste lang zum Verringern der Lautstärke. Wenn Sie die Taste kurz drücken, hat sie je nach Modus eine andere Funktion: USB/SD/Bluetooth: Titel zurück, Line: keine Funktion
	<b>⏸</b>
	Je nach Modus hat diese Taste eine andere Funktion: USB/SD/Bluetooth: Wiedergabe anhalten, Line: Mute



Drücken Sie die Taste lang zum Erhöhen der Lautstärke.

Wenn Sie die Taste kurz drücken, hat sie je nach Modus eine andere Funktion:

USB/SD/Bluetooth: Titel vor, Line: keine Funktion

*[M]*

Taste zum Auswählen des Modus (USB/SD/Bluetooth, Line-Eingang).

5 SD/MMC-Kartenslot

6 *[VOLUME]*

Mit diesem Regler passen Sie die Lautstärke Ihres Mikrofons, Instruments oder einer sonstigen Audioquelle an.

7 *[BASS]*

Mit diesem Regler passen Sie die tiefen Frequenzen Ihres Mikrofons, Instruments oder einer sonstigen Audioquelle an.

8 *[TREBLE]*

Mit diesem Regler passen Sie die hohen Frequenzen Ihres Mikrofons, Instruments oder einer sonstigen Audioquelle an.

9	<i>[M.ECHO]</i> Mit diesem Regler passen Sie den Echoeffekt Ihres Mikrofons oder Instruments an.
10	<i>[M.VOL]</i> Mit diesem Regler passen Sie die Lautstärke des Echoeffekts Ihres Mikrofons oder Instruments an.
11	Anschlussbuchse für ein Netzteil 15 V DC 1 A
12	Hauptschalter zum Ein-/Ausschalten des Geräts.
13	LEDs Blau: Leuchtet, wenn das Gerät in Betrieb ist Rot: Leuchtet, wenn das Gerät ans Stromnetz angeschlossen ist bzw. geladen wird Grün: Leuchtet, wenn der Akku voll geladen ist
14	6,35-mm-Klinkenbuchsen zum Anschluss des Mikrofons oder Instruments.
15	Cinch-Eingangsbuchsen zum Anschluss eines externen Audiogeräts.

## 6 Wiedergabe über Bluetooth

Über den integrierten Bluetooth-Empfänger des Geräts können Sie Musik kabellos von Bluetooth-fähigen mobilen Geräte wie Smartphones, Tablets oder Notebooks wiedergeben. Beachten Sie die Gebrauchsanleitung Ihres Bluetooth-Geräts. Platzieren Sie es in der Nähe der Box und schalten Sie das Bluetooth-Gerät ein.

Drücken Sie wiederholt *[MODE]*, bis das Display blinkend 'BT' anzeigt. Nach einigen Sekunden wird Ihr Bluetooth-Gerät erkannt (Name 'BP-108A') und im Display wird 'BT' dauerhaft angezeigt.

Anschließend können Sie die im Bluetooth-Gerät gespeicherten Musik-Dateien abspielen. Die Steuerung erfolgt über die Tasten des integrierten Players.

## 7 Technical specifications

Eingänge	1 × Cinch-Buchsenpaar, stereo 2 × 6,35-mm-Klinkenbuchse
Lautsprecher	Zweiwegesystem mit 1-Zoll-Kompressionstreiber und 8-Zoll-Basslautsprecher
Max. Schalldruck	109 dB
Frequenzbereich	75 Hz ... 18 kHz
Speichermedien	SD-Karte, USB-fähige Geräte
Wiedergabeformate	MP3, WAV
Bluetooth-Standard	Bluetooth 5.0
Bluetooth-Name	BP-108A
Ausgangsleistung	RMS: 15 W Peak: 60 W
Versorgungsspannung	100 - 240 V ~ 50/60 Hz

Spannungsversorgung	Steckernetzteil (15 V $\overline{\text{---}}$ / 1000 mA , Plus am Innenleiter)	
Montagemöglichkeit	Stehend oder auf Stativ	
Abmessungen (B × H × T)	245 mm × 390 mm × 195 mm	
Gewicht	4,6 kg	
Umgebungsbedingungen	Temperaturbereich	-5 °C...45 °C
	Relative Luftfeuchte	50 %, nicht kondensierend

### Weitere Informationen

Multifunktionsgehäuse	Ja
Hochständerflansch	Ja
Flugfähig	Nein
Outdoorfähig	Nein



## 8 Plug and connection assignment

### Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment in such a way that a perfect sound experience is ensured.

Please note these advices, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into the socket, an incorrect connection may result in a destroyed power amp, a short circuit or 'just' in poor transmission quality!

### Balanced and unbalanced transmission

Unbalanced transmission is mainly used in semi-professional environment and in hifi use. Instrument cables with two conductors (one core plus shielding) are typical representatives of the unbalanced transmission. One conductor is ground and shielding while the signal is transmitted through the core.

Unbalanced transmission is susceptible to electromagnetic interference, especially at low levels, such as microphone signals and when using long cables.

In a professional environment, therefore, the balanced transmission is preferred, because this enables an undisturbed transmission of signals over long distances. In addition to the conductors 'Ground' and 'Signal', in a balanced transmission a second core is added. This also transfers the signal, but phase-shifted by 180°.

Since the interference affects both cores equally, by subtracting the phase-shifted signals, the interfering signal is completely neutralized. The result is a pure signal without any noise interference.

### 1/4" TS phone plug (mono, unbalanced)



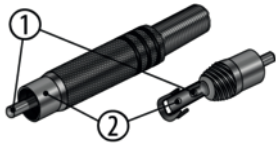
1	Signal
2	Ground, shielding

### 1/4" TRS phone plug (mono, balanced)



1	Signal (in phase, +)
2	Signal (out of phase, -)
3	Ground

**RCA connection**



Drawing and table indicate the pin assignment of an RCA plug.

1	Signal
2	Ground, shielding

## 9 Cleaning

### Device components

Clean the device components that are accessible from the outside regularly. The cleaning frequency depends on the operating environment: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the device components.

- Clean with a dry soft cloth.
- Stubborn dirt can be removed with a slightly dampened cloth.
- Never use solvents or alcohol for cleaning.

## 10 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) in its currently valid version. 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.





