

## User Manual



# ULTRABASS BT108

Ultra-Compact 15-Watt Bass Amplifier with  
VTC-Technology and Original 8" BUGERA Speaker

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## Thank you

Congratulations and thank you very much for purchasing the BT108, the newest addition to BEHRINGER's range of bass amplification products. The ULTRABASS BT108 amplifier was designed specifically for practicing. You can do the finishing touches using the precise 4-band EQ. With its well-balanced basic sound it gives you what is most important when playing: lots of fun!

**EN Important Safety Instructions**

Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock.

Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modification should be performed only by qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

**Caution**

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.

**Caution**

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**Caution**

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Use only attachments/accessories specified by the manufacturer.



12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid

injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



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# 1. Introduction

## VTC Virtual Tube Circuitry

The VTC Virtual Tube Circuitry was specially developed to lend the bass sound the unique character of classic tube amps.

### Jam it up!

With its CD player input, your BT108 is the ultimate practice amp, because it couldn't be easier to play along to your favorite music. If you don't want anybody listening to what you're playing, or simply wish to avoid disturbing the neighbors, just use your headphones. The BEHRINGER HPS3000 is ideal just for that.

### A companion for life!

The electronic components in your ULTRABASS BT108 have been built into a robust metal enclosure for maximum protection. The cabinet is made of high-grade wood covered with durable vinyl. The BT108 will never let you down, even when the going gets tough.

- ◆ Please read the manual carefully and keep it around for future reference.

### Attention!

- ◆ High volume levels can damage your hearing or your headphones. Please turn down the VOLUME control to zero (all the way to the left) before you power up the amp. Always make sure you use appropriate volume levels.

## 1.1 Before you get started

### 1.1.1 Shipment

Your BT108 was carefully packed at the factory, and the packaging was designed to protect the unit from rough handling. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage that may have occurred during transit.

- ◆ If the unit is damaged, please do NOT return it to BEHRINGER. Instead, notify your dealer and the shipping company immediately. Otherwise, claims for damage or replacement may not be honored.
- ◆ Always use the original packing carton to prevent damage during storage or transport.
- ◆ Make sure that no children are left unsupervised with the BT108 or its packaging.
- ◆ Please ensure proper disposal of all packing materials.

### 1.1.2 Initial operation

Be sure that there is enough space around the unit for cooling. To avoid overheating, please do not place the ULTRABASS near radiators and other equipment emanating heat.

- ◆ Please keep in mind that all the equipment has to be grounded at all times. For your own protection, never change or disable the grounding on your equipment or on the cables! The unit shall always be connected to the mains socket outlet with a protective earthing connection.

### 1.1.3 Online registration

Please register your new BEHRINGER equipment right after your purchase by visiting <http://behringer.com> and read the terms and conditions of our warranty carefully.

Should your BEHRINGER product malfunction, it is our intention to have it repaired as quickly as possible. To arrange for warranty service, please contact the BEHRINGER retailer from whom the equipment was purchased. Should your BEHRINGER dealer not be located in your vicinity, you may directly contact one of our subsidiaries. Corresponding contact information is included in the original equipment packaging (Global Contact Information/European Contact Information). Should your country not be listed, please contact the distributor nearest you. A list of distributors can be found in the support area of our website (<http://behringer.com>).

Registering your purchase and equipment with us helps us process your repair claims more quickly and efficiently.

Thank you for your cooperation!

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or shown.

## 2. Wiring Tips

Figures 2.1 and 2.2 show you how to connect your bass to the amplifier.

If you want to use an effects unit (for example, the BEHRINGER X V-AMP PRO) to experiment with some out-of-the-ordinary sounds, you can connect your bass directly to the input of the unit. Then, connect a second cable from the effects output to the input on your bass amp.

If you have an electronic tuner, please be sure to insert it pre effects device, so that the tuner only receives a dry signal without effects components.

X V-AMP PRO: no additional tuner required.

◆ **The built-in loudspeaker is disabled automatically when you plug in the headphones.**

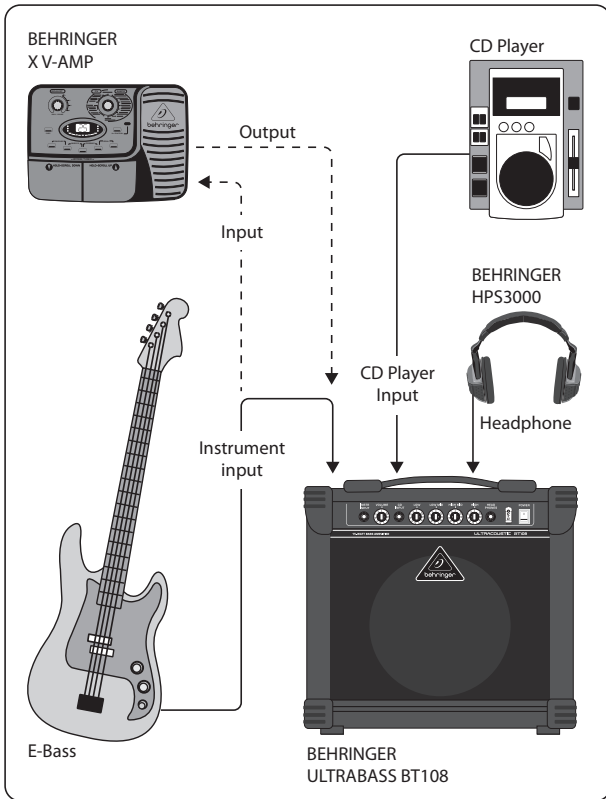


Fig. 2.1: Example of a setup using the ULTRABASS BT108

Fig. 2.2 shows a recommended setup for amplifying the sound of your BT108 using a sound reinforcement system of any size. This way, you can also use your amp for playing live or for rehearsals with your band.

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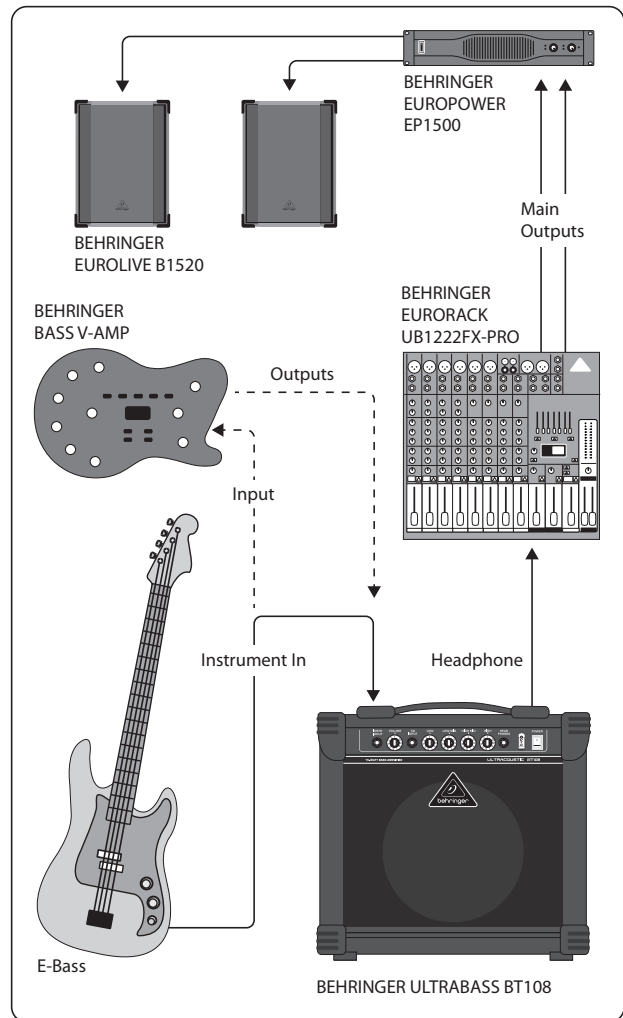


Fig. 2.2: Live setup

## 3. Control Elements

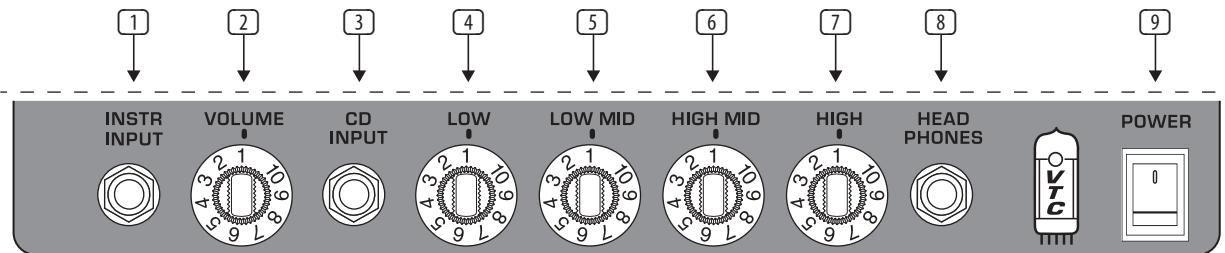


Fig. 3.1: Upper side: Control elements

- 1 Connect your bass to the **INST. INPUT** jack, using a standard cable with a ¼" TS connector.
- 2 Use the **VOLUME** control to adjust the volume of the instrument channel. To change the instrument-to-CD volume ratio, use your instrument's volume control.
- 3 Use the **CD INPUT** to connect the output of your CD player, tape deck, CD or MD walkman. This way you can play along to music or bass guitar tutorial CDs.

This connector is a ¼" TRS jack. If your CD player is equipped with cinch outputs, you'll need an adapter cable, which you can buy at your local music shop. Illustration 4.3 in chapter 4, "AUDIO CONNECTIONS" shows you what kind of adapter to buy. You can also use a mono cable (fig. 4.4). This will not damage your CD player or bass amp.

- 4 The **LOW** control allows you to boost or cut the low-frequency range.
- 5 Using the **LOW MID** control you can boost or cut the lower mids.
- 6 The **HIGH MID** control allows you to boost or cut the upper mids.
- 7 The **HIGH** control governs the high-frequency range to give your bass a more "cutting" sound.
- 8 The **HEADPHONES** jack is for headphones. When you plug in your headphones, the built-in loudspeaker is muted.
  - ◆ The headphone signal can also be routed to a mixing console or sound reinforcement system. Connect the headphones output on your BT108 to the line input (LINE IN) on the console (for example, BEHRINGER EURORACK UB1222FX-PRO). Please use a mono cable for this application.
  - ◆ Some headphones produce distortion if the volume level is too high. Please cut back the **VOLUME** control until the distortion disappears.
- 9 Use the **POWER** switch to switch on your BT108. The **POWER** switch should be set to "Off" before you connect your bass amp to the mains.
  - ◆ Please note: The **POWER** switch does not disconnect the unit from the mains. Unplug the power cord when you don't want to use the unit for some time.

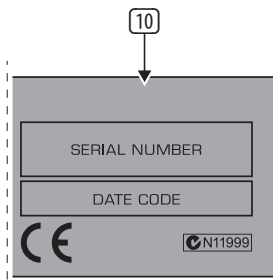


Fig. 3.2 Rear view: Serial number

#### 10 SERIAL NUMBER.

No matter which way you adjust the controls on your bass amp: the sound of your bass also has some influence on the overall sound. Therefore we may only give you a few tips to get you started.

- ◆ **Most bass guitars sound best when their tone and volume controls are turned up as much as possible.**

Experiment with the controls to find out how you can modify the sound to your liking. Experienced bassists write down their favorite settings or attach stickies underneath the controls.

## 4. Audio Connections

Your BEHRINGER ULTRABASS BT108 features ¼" connectors on inputs and outputs. More detailed information can be found in chapter 5, "SPECIFICATIONS."

- ◆ Please keep in mind that all the equipment has to be grounded at all times. For your own protection, never change or disable the grounding on your equipment or on the cables! The unit shall always be connected to the mains socket outlet with a protective earthing connection.

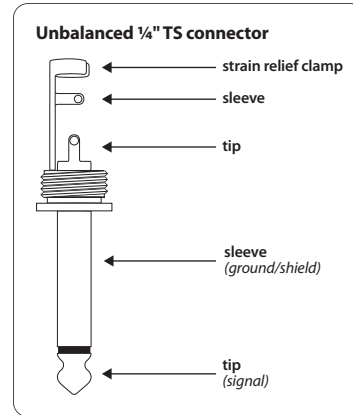


Fig. 4.1: ¼" mono connector (TS) for the INST. INPUT

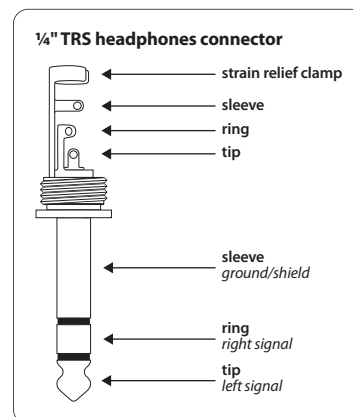


Fig. 4.2: ¼" stereo connector (TRS) for headphones or CD INPUT

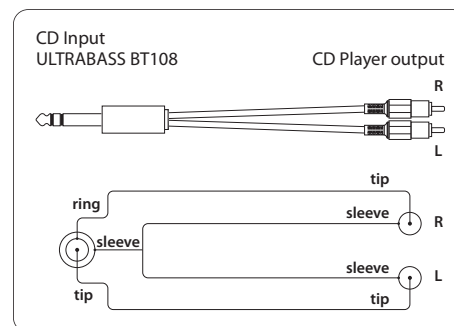


Fig. 4.3: Stereo adapter cable

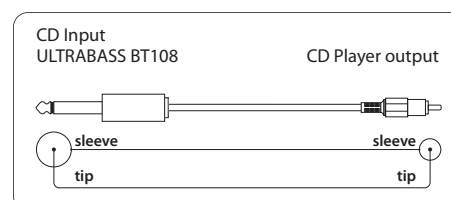


Fig. 4.4: Mono adapter cable

## 5. Specifications

### Inputs

Instrument input	Connector ¼" TS mono connector
CD or audio input	Connector ¼" TRS stereo connector

### Outputs

Headphones output	Connector ¼" TRS stereo connector
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### System data

Output stage power	15 Watts
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### Loudspeaker

Type	8" special custom-made loudspeaker
Impedance	4 Ω
Power rating	20 Watts

### Power supply

#### Mains voltage

USA/Canada	120 V~, 60 Hz
U.K./Australia	230 V~, 50 Hz
China	220 V~, 50 Hz
Europe	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz

### Dimensions/Weight

Dimensions (H x W x D)	approx. 14 x 6.37 x 12.67" approx. 357 X 162 X 322 mm
Weight	approx. 5.4 kg / 12 lbs

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We Hear You