

## User Manual



# ULTRABASS BX1800

180-Watt Bass Amplifier with Original BUGERA Speaker and VTC-Technology



**EN**

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## 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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## LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding MUSIC Group's Limited Warranty, please see complete details online at [www.music-group.com/warranty](http://www.music-group.com/warranty).

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# 1. Introduction

With the BX1800 you have acquired a state-of-the-art Bass Workstation that sets new standards in bass amp engineering. Right from the start, our goal has been to design a revolutionary amp that stands out from the herd of "ordinary" bass amplifiers. And indeed, the BX1800 gives you plenty of functionality and a broad range of connection and expansion options. In short: you'll be fascinated to find that the BX1800 is a Workstation with a character.

## 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 BX1800 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.

- ◆ 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 BX1800 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 BX1800 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!

## 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.**

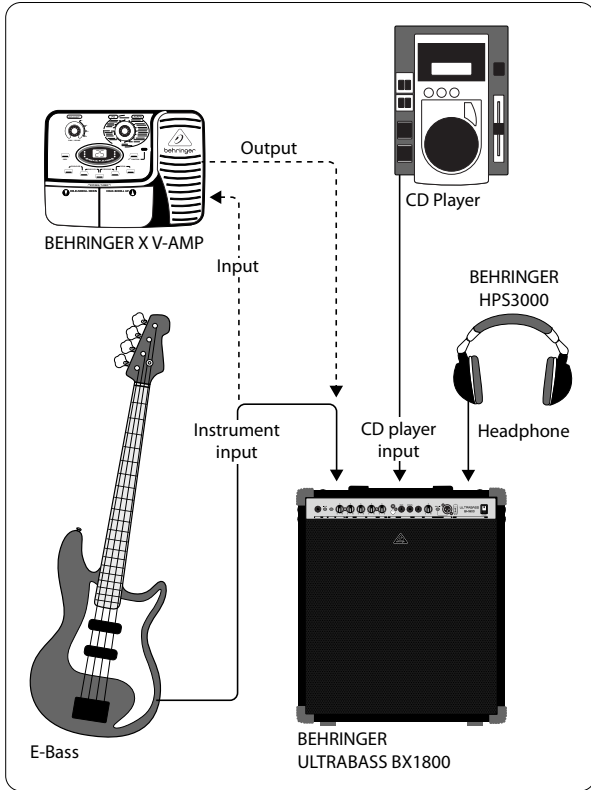


Fig. 2.1: Example of a setup using the ULTRABASS BX1800

Fig. 2.2 shows a recommended setup for amplifying the sound of your BX1800 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.

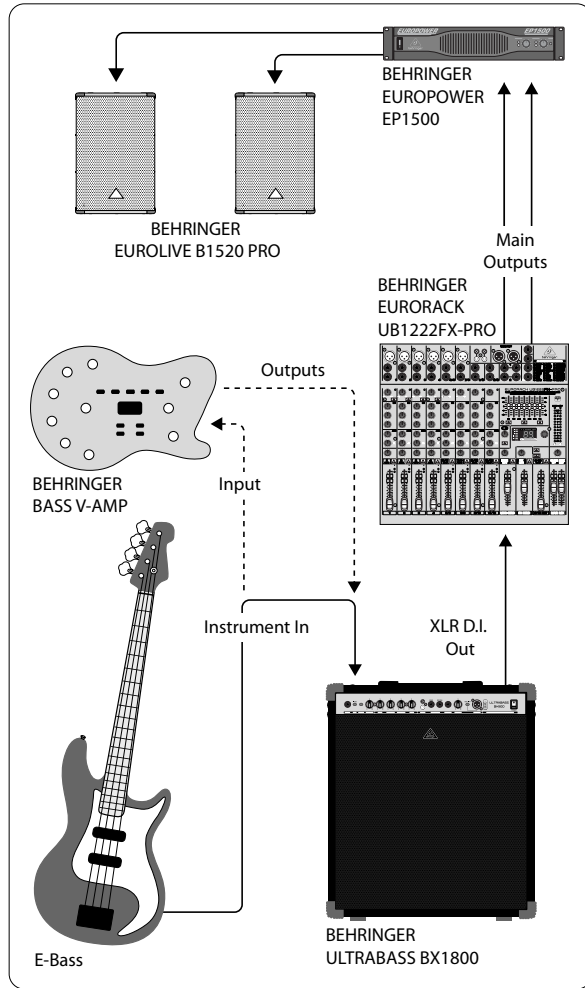


Fig. 2.2: Live setup

### 3. Control Elements

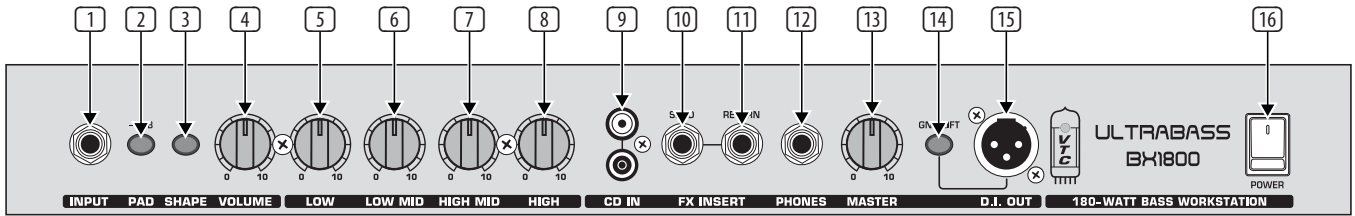


Fig. 3.1: Front view

- 1 Connect your bass to the **INPUT** jack, using a standard cable with a ¼" TS connector.
  - 2 Press the **PAD** switch when using active instruments with high output levels. In this case the INPUT jack features 6 dB less gain. For passive instruments the PAD button has to be depressed.
  - 3 Pressing the **SHAPE** button will activate the Shape function. The Shape function on your BX1800 provides a revolutionary type of filter that you can use to modify your bass sound.
  - 4 Use the **VOLUME** control to adjust the volume of the instrument channel. To change the balance between the instrument and CD volume level, use your instrument's volume control.
  - 5 The **LOW** control allows you to boost or cut the low-frequency range.
  - 6 Using the **LOW MID** control you can boost or cut the lower mids.
  - 7 The **HIGH MID** control allows you to boost or cut the upper mids.
  - 8 The **HIGH** control governs the high-frequency range to give your bass a more "cutting" sound.
  - 9 Use the **CD IN** connectors 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.
  - 10 The BX1800 features an **FX INSERT**-Loop for external effects. Connect the **SEND** output to the input of your effects device, for example, our proven multi-effects processor BEHRINGER VIRTUALIZER PRO DSP2024P. This output can also be used to connect your tuner.
  - 11 Connect the **RETURN** jack to the output of your effects device. Since the BX1800 features a serial effects path, the mix ratio must be set on your effects device.
  - 12 The **PHONES** 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 BX1800 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.
- 13 Use the **MASTER** control to adjust the output level of the D.I. OUT output.
  - 14 The **GND LIFT** switch disconnects (switch pressed) the ground connection at the D.I. OUT output to effectively eliminate hum noise resulting from ground loops.
  - 15 Use the balanced **D.I. OUT** XLR output to feed the audio signal from your ULTRABASS to an external mixing console. The D.I. OUT signal is post-EQ.
  - 16 Use the **POWER** switch to switch the BX1800 on or off. You should always make sure that the POWER switch is in the "Off" position when initially connecting the unit to the mains.
- To disconnect the unit from the mains, pull out the main cord plug. When installing the product, ensure that the plug is easily accessible.
- ◆ Please note: Merely switching the unit off does not mean that it is fully disconnected from the mains. When not using the unit for prolonged periods of time, please unplug the unit's power cord from the power outlet.

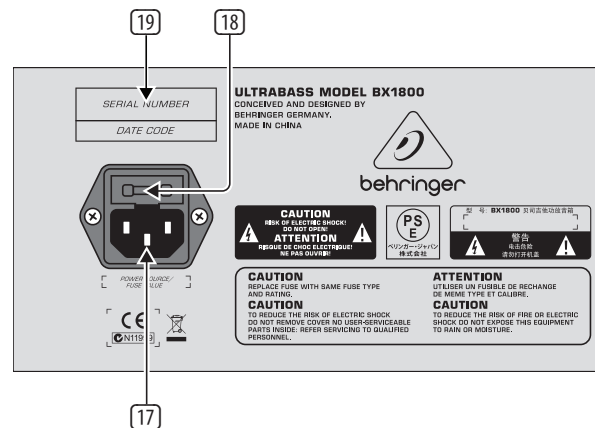


Fig. 3.2 Rear view

- 17 **MAINS CONNECTION.** Use the power cord supplied with the unit to connect it to the mains.
- 18 **FUSE HOLDER/VOLTAGE SELECTOR.** Before connecting the unit to the mains, make sure that the voltage setting matches your local voltage. A blown fuse should only be replaced by a fuse of the same type and rating. On some units, the fuse holder can be switched to one of two positions, i.e. 230 V and 120 V. When operating the unit outside Europe at 120 V, a higher fuse rating is required.
- 19 **SERIAL NUMBER.**

## 4. Audio Connections

Except for the D.I. OUT output which is on a balanced XLR connector, your BEHRINGER ULTRABASS BX1800 features ¼" connectors on inputs and output. 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.

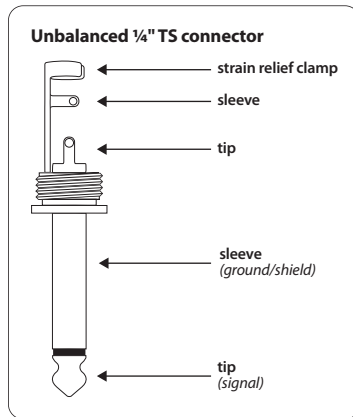


Fig. 4.1: ¼" mono connector (TS) for the INPUT

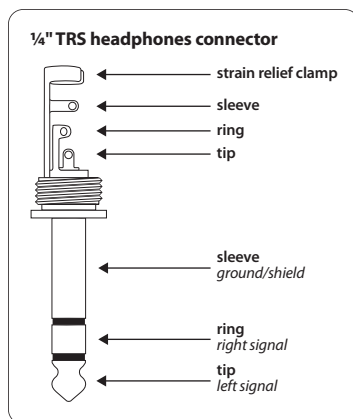


Fig. 4.2: ¼" stereo connector (TRS) for headphones

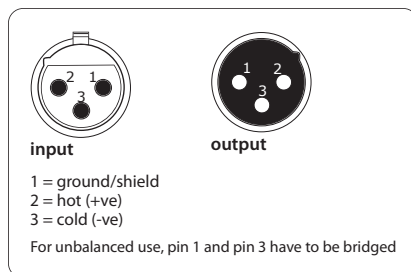


Fig. 4.3: XLR connectors

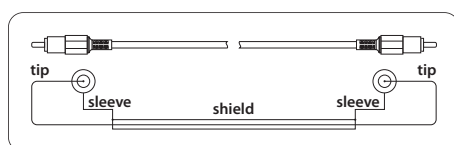


Fig. 4.4: RCA cable

## 5. Specifications

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### Audio Inputs

Active instrument input	¼" mono jack, unbalanced
Input impedance	approx. 220 kΩ unbalanced
Passive instrument input	¼" mono jack, unbalanced
Input impedance	approx. 730 kΩ unbalanced
Return	¼" mono jack, unbalanced
Input impedance	approx. 15 kΩ unbalanced
CD input	RCA, unbalanced

### Audio Outputs

Send	¼" mono jack, unbalanced
Output impedance	min. 2 kΩ unbalanced
D.I. Out	XLR connector, servo-balanced
Output impedance	approx. 100 Ω balanced
Output level	max. 0 dBu

### System Data

Power amp output	180 Watts
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### Loudspeaker

High-power bass speaker	15" BUGERA Classic Tone Series
Tweeter	custom-made horn tweeter

### Power Supply

#### Mains Voltages

U.S./Canada	120 V~, 60 Hz
Europe/U.K./Australia	230 V~, 50 Hz
China	220 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
General export model	120/230 V~, 50 - 60 Hz
Power consumption	max. 290 W
Fuse	100 - 120 V~: T 6.3 A H 250 V 200 - 240 V~: T 3.15 A H 250 V
Mains connection	Standard IEC receptacle

### Dimensions/Weight

Dimensions (H x W x D)	approx. 570 x 310 x 500 mm (22.4 x 12.2 x 19.7")
Weight	approx. 24.6 kg (54.12 lbs)

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.



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