

ULTRABASS

BX1800

User's manual



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ULTRABASS BX1800

IMPORTANT SAFETY INSTRUCTIONS



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.

WARNING: 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 and no objects filled with liquids, such as vases, shall be placed on the apparatus.



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.

DETAILED SAFETY INSTRUCTIONS:

- 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) Only use 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) **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 unless you are qualified to do so.

ULTRABASS

180-Watt Bass Workstation with Original BUGERA™ Speaker and VTC-Technology



BX1800



ULTRABASS BX1800

FOREWORD



Dear Customer,

Welcome to the team of ULTRABASS users and thank you very much for expressing your confidence in BEHRINGER products by purchasing the BEHRINGER BX1800.

It is one of my most pleasant tasks to write this letter to you, because it is the culmination of many months of hard work delivered by our engineering team to reach a very ambitious goal: to present you with an outstanding bass workstation that gives you maximum flexibility and performance with

its unique sound character and broad range of functions.

The task to design the new ULTRABASS certainly meant a great deal of responsibility, which we assumed by focusing on you, the discerning user and musician. It also meant a lot of work and night shifts to accomplish this goal. But it was fun, too. Developing a product usually brings a lot of people together, and what a great feeling it is when everybody who participated in such a project can be proud of what we've achieved.

It is our philosophy to share our joy with you, because you are the most important member of the BEHRINGER team. With your highly competent suggestions for new products you've greatly contributed to shaping our company and making it successful. In return, we guarantee you uncompromising quality as well as excellent technical and audio properties at an extremely favorable price. All of this will enable you to fully unfold your creativity without being hampered by budget constraints.

We are often asked how we can produce such high-grade devices at such unbelievably low prices. The answer is quite simple: it's you, our customers! Many satisfied customers means large sales volumes enabling us to get better conditions of purchase for components, etc. Isn't it only fair to pass this benefit back to you? Because we know that your success is our success, too!

I would like to thank all people whose help on "Project ULTRABASS" has made it all possible. Everybody has made very personal contributions, starting from the designers of the unit to the many staff members in our company and finally to you, the users of BEHRINGER products.

My friends, it's been worth the trouble!

Thank you very much,

Uli Behringer

TABLE OF CONTENTS

1. INTRODUCTION	4
1.1 Before you get started	5
1.1.1 Shipment	5
1.1.2 Initial operation	5
1.1.3 Online registration	5
2. WIRING TIPS	5
3. CONTROL ELEMENTS	6
4. AUDIO CONNECTIONS	7
5. SPECIFICATIONS	7
6. WARRANTY	8

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.



4. AUDIO CONNECTIONS

Except for the LINE OUT output which is on a balanced XLR connector, your BEHRINGER ULTRABASS BX1800 features 1/4" 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.

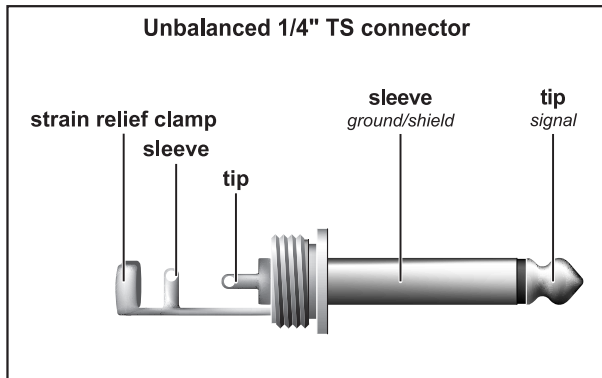


Fig. 4.1: 1/4" mono connector (TS) for the INST INPUT

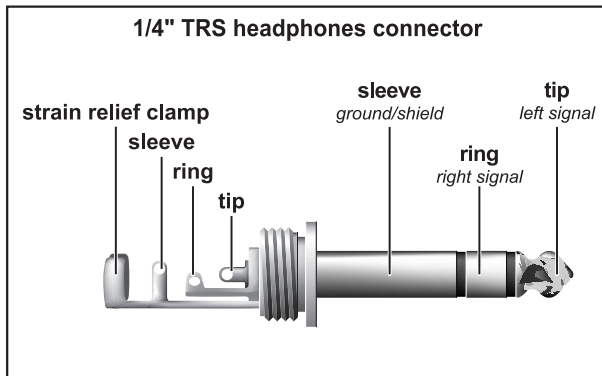


Fig. 4.2: 1/4" stereo connector (TRS) for headphones

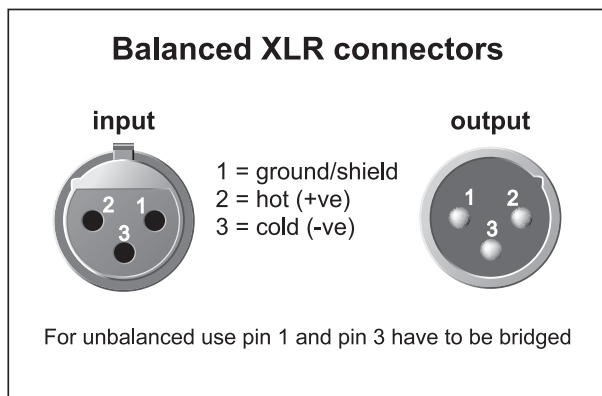


Fig. 4.3: XLR connectors

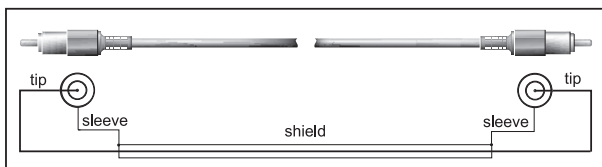


Fig. 4.4: RCA cable

5. SPECIFICATIONS

AUDIO INPUTS

Active instrument input	1/4" mono jack, unbalanced
Input impedance	approx. 220 kΩ unbalanced
Passive instrument input	1/4" mono jack, unbalanced
Input impedance	approx. 730 kΩ unbalanced
Return	1/4" mono jack, unbalanced
Input impedance	approx. 15 kΩ unbalanced
CD input	RCA, unbalanced

AUDIO OUTPUTS

Send	1/4" mono jack, unbalanced
Output impedance	min. 2 kΩ unbalanced
Line 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. 330 W
Fuse	100 - 120 V~: T 5 A H 250 V
	200 - 240 V~: T 2.5 A H 250 V
Mains connection	Standard IEC receptacle

DIMENSIONS/WEIGHT

Dimensions (H x W x D)	approx. 570 mm (22 1/2")
	x 312 mm (12 3/10")
	x 507 mm (20")
Weight	approx. 25.1 kg (55.35 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.

ULTRABASS BX1800

6. WARRANTY

§ 1 OTHER WARRANTY RIGHTS AND NATIONAL LAW

1. This warranty does not exclude or limit the buyer's statutory rights provided by national law, in particular, any such rights against the seller that arise from a legally effective purchase contract.

2. The warranty regulations mentioned herein are applicable unless they constitute an infringement of national warranty law.

§ 2 ONLINE REGISTRATION

Please do remember to register your new BEHRINGER equipment right after your purchase by visiting www.behringer.com (alternatively www.behringer.de) and kindly read the terms and conditions of our warranty carefully. Registering your purchase and equipment with us helps us process your repair claims quicker and more efficiently. Thank you for your cooperation!

§ 3 WARRANTY

1. BEHRINGER (BEHRINGER International GmbH including all BEHRINGER subsidiaries listed on the enclosed page, except BEHRINGER Japan) warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of one (1) year* from the original date of purchase, in accordance with the warranty regulations described below. If the product shows any defects within the specified warranty period that are not excluded from this warranty as described under § 5, BEHRINGER shall, at its discretion, either replace or repair the product using suitable new or reconditioned parts. In the case that other parts are used which constitute an improvement, BEHRINGER may, at its discretion, charge the customer for the additional cost of these parts.

2. If the warranty claim proves to be justified, the product will be returned to the user freight prepaid.

3. Warranty claims other than those indicated above are expressly excluded.

§ 4 RETURN AUTHORIZATION NUMBER

1. To obtain warranty service, the buyer (or his authorized dealer) must call BEHRINGER (see enclosed list) during normal business hours **BEFORE** returning the product. All inquiries must be accompanied by a description of the problem. BEHRINGER will then issue a return authorization number.

2. Subsequently, the product must be returned in its original shipping carton, together with the return authorization number to the address indicated by BEHRINGER.

3. Shipments without freight prepaid will not be accepted.

§ 5 WARRANTY REGULATIONS

1. Warranty services will be furnished only if the product is accompanied by a copy of the original retail dealer's invoice. Any product deemed eligible for repair or replacement under the terms of this warranty will be repaired or replaced.

2. If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country for which the product was originally developed and manufactured, this modification/adaptation shall not be considered a defect in materials or workmanship. The warranty does not cover any

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