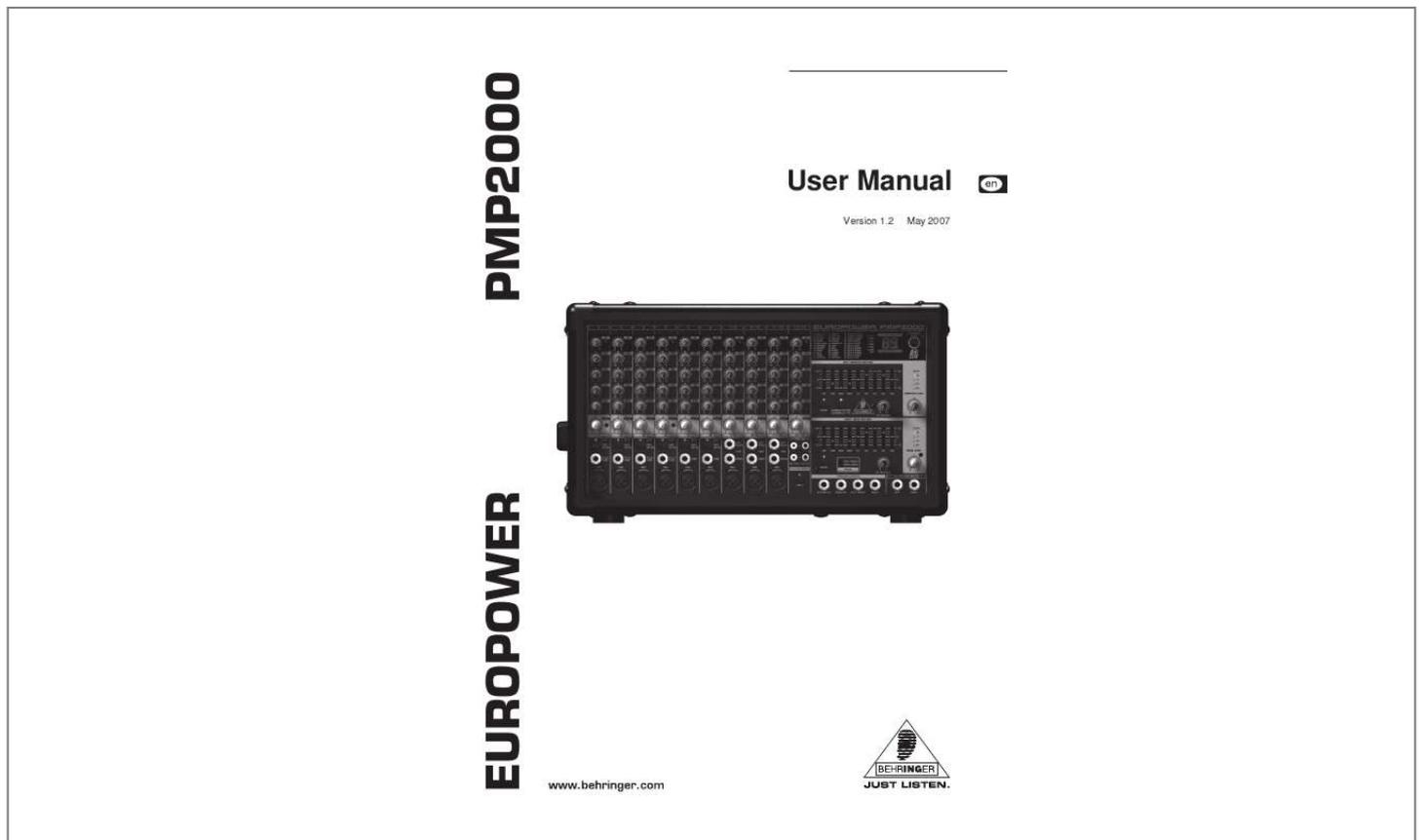




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for BEHRINGER PMP2000. You'll find the answers to all your questions on the BEHRINGER PMP2000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual BEHRINGER PMP2000
User guide BEHRINGER PMP2000
Operating instructions BEHRINGER PMP2000
Instructions for use BEHRINGER PMP2000
Instruction manual BEHRINGER PMP2000



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Manual abstract:

@@@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. 15) Unplug this apparatus during lightning storms or when unused for long periods of time. 16) 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. 17) 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. 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. 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) The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection. 2 EUROPOWER PMP2000 FOREWORD Dear Customer, Welcome to the team of EUROPOWER users and thank you very much for expressing your confidence in BEHRINGER products by purchasing the BEHRINGER PMP2000. 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 power mixer that gives you maximum flexibility and performance with its unique sound character and broad range of functions. The task to design the new PMP2000 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 make it to 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 PMP2000" 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 user of BEHRINGER products. TABLE OF CONTENTS 1.

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damage to your hearing and/or your headphones. Turn all LEVEL controls to the left before you switch on the unit. Be sure to keep the volume at an appropriate level. 3 EUROPOWER PMP2000 1. INTRODUCTION Congratulations! With the PMP2000 you have acquired a state-of-the-art 10-channel power mixer that sets new standards. Right from the start, our goal has been to design a revolutionary device that can be used for a great variety of applications. And indeed, this overwhelming power mixer gives you plenty of functionality and a broad range of connection and expansion options.

BEHRINGER is a company with its roots in professional recording studio technology. For many years now we have been successful in developing products for studio and live use. These include microphones and 19" devices of all kinds (compressors, enhancers, noise gates, tube processors, headphone amplifiers, digital effects devices, DI boxes, etc.), monitor and P.A. speakers and professional live and recording mixers. Our entire technical know-how has gone into your PMP2000. This manual first describes the terminology used, so that you fully understand the PMP2000 and its functions. Please read the manual carefully and keep it for future reference. To avoid damage on the device, do not - earth the loudspeaker outputs - connect the loudspeaker outputs to each other - connect the loudspeaker outputs to those of other amplifiers IMPORTANT NOTES CONCERNING INSTALLATION The sound quality may diminish within the range of powerful broadcasting stations and high-frequency sources.

Increase the distance between the transmitter and the device and use shielded cables for all connections. 1.1.3 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. Should your BEHRINGER product malfunction, our goal is to have it repaired as quickly as possible. To arrange for warranty service, please contact the retailer from whom the equipment was purchased.



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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 (www.behringer.com). Registering your purchase and equipment with us helps us process your repair claims quicker and more efficiently. Thank you for your cooperation! 1.1 Before you get started 1.1.

1 Shipment Your PMP2000 was carefully packed at the factory and the packaging is 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 which may have occurred during transit. If the unit is damaged, please do NOT return it to BEHRINGER, but notify your dealer and the shipping company immediately. Otherwise, claims for damage or replacement may not be granted. 1.1.2 Initial operation Be sure that there is enough space around the unit for cooling and, to avoid overheating, please do not place the PMP2000 near radiators etc. Before you connect the PMP2000 to the mains, please make sure that the voltage setting on the unit matches the local voltage! If you set the unit to a different mains voltage, be sure to use a fuse of the correct type and rating. Please refer to the "SPECIFICATIONS" for details. Blown fuses must be replaced by fuses of the same type and rating! Please refer to the "SPECIFICATIONS" for details.

The mains connection is made using the enclosed power cord and a standard IEC receptacle. It meets all of the international safety certification requirements. Please make sure that all units have a proper ground connection. For your own safety, never remove or disable the ground conductor from the unit or of the AC power cord. The unit shall always be connected to the mains socket outlet with a protective earthing connection.

4 1. INTRODUCTION EUROPOWER PMP2000 2. CONTROL ELEMENTS 2.1 Front panel Your EUROPOWER PMP2000 comes with ten input channels, which only differ in terms of pad switch, peak LED and interface panel. Since the EQ, effect, monitor and level controls are identical on all channels, they will be described only once on the enclosed sheet.

The FX control determines the signal level that is routed from the respective channel to the built-in effects processor. Please note that the effects processor is muted as) is set fully long as the FX TO MAIN control (counter-clockwise. The HIGH control in the EQ section governs the high frequencies of the respective channel. Use the MID control to boost/cut the mid range. The LOW control allows you to raise or lower the bass frequencies. The MON control determines the channel's volume assigned to the monitor mix. Use the LEVEL control to set the volume level of the respective channel. Use the CLIP LED to ensure that the input gain is set properly. The CLIP LED should light up only with peak signals, but never all the time. The PAD button reduces the channel input sensitivity by 25 dB.

Thus, you can also connect high-level line signals to the respective channel input. @@This is the channel's balanced XLR microphone input. @@@@Never use both at the same time. This rule applies to channels 1 - 9. @@The mono signal will then be reproduced on both stereo sides. The CD/TAPE/LINE IN RCA input of channel 10 allows you to feed in external fuses should only be replaced by fuses of the same type and rating. Use the POWER switch to put your PMP2000 into operation. @@@@For this purpose, switch must be set to its upper position. @@@@Please read the information given on the rear panel of your PMP2000. @@@@SERIAL NUMBER.

3. @@@@These effect presets are designed to be added to dry signals. If you move the FX TO MAIN/MON control, you mix the channel signal (dry) and the effect signal. Turn down the FX controls in those channel strips whose signals you don't wish to process. 4.

INSTALLATION 4.1 Mains voltage Before connecting the PMP2000 to the mains, please carefully check that your equipment is set to the correct voltage! Blown fuses must be replaced by fuses of the same type and rating! 4.2 Mains connection The mains connection is made using the enclosed power cord and a standard IEC receptacle. It meets all of the international safety certification requirements. Please make sure that all units have a proper ground connection. For your own safety, never remove or disable the ground conductor from the unit or of the AC power cord. 4.3 Audio connections The in and outputs of your BEHRINGER PMP2000 are designed as unbalanced 1/4" mono jacks--except for the mono channel line inputs, which come as balanced 1/4" stereo jacks. Of course, all in and outputs work with both balanced and unbalanced connectors. The tape ins and outs are on stereo RCA connectors. Please ensure that only qualified personnel install and operate the PMP2000. During installation and operation, the user must have sufficient electrical contact to earth. Electrostatic charges might affect the operation of the unit. Fig. 4.

1: 1/4" mono plug 6 4. INSTALLATION EUROPOWER PMP2000 4.4 Loudspeaker connections Your EUROPOWER is equipped with high-quality Neutrik Speakon-compatible loudspeaker connectors, which ensure safe and trouble-free operation. The Speakon connector was especially developed for high-power loudspeakers. Once it is plugged in, it safely locks into position and cannot be accidentally disengaged. It prevents the occurrence of electrical shock and ensures the correct polarity. Each of the connectors carries only the assigned single signal (see tab. 4.1/fig. 4.

6 and the information on the rear panel of the power mixer). Fig. 4.2: 1/4" stereo plug Fig. 4.

5: Loudspeaker connector Please be sure to only use commercial Speakon cables (type NL4FC) for connecting your loudspeakers to the PMP2000. Please check the pin assignment of your loudspeakers and cables dependent on the PMP2000 speaker output you choose. Fig. 4.3: XLR connectors 1+ RIGHT/MONO MAIN POS LEFT/MONITOR BRIDGE POS POS INEG NEG NEG 2+ - 2- Tab.

4.1: Polarity configuration of speaker connectors Fig. 4.4: 1/4" TS connector for footswitch Fig. 4.6: PMP2000 loudspeaker connector assignment 4.

INSTALLATION 7 EUROPOWER PMP2000 5. WIRING EXAMPLES For this application, however, please set the MODE switch to "MON/MAIN"! Fig. 5.3: Standard setup (example) Fig.

5.1: PMP2000 as stereo amplifier (example) Please set the MODE switch for this application! to "LEFT/RIGHT" Fig. 5.2: PMP2000 as double mono amplifier (example) 8 5. WIRING EXAMPLES EUROPOWER PMP2000 6. SPECIFICATIONS Mono inputs Microphone inputs Type Mic E.I.N. (20 Hz - 20 kHz) @ 0 source resistance @ 50 source resistance @ 150 source resistance Frequency response XLR, electronically balanced, discrete input circuit -122 dB / 125 dB A-weighted -122 dB / 125 dB A-weighted -121 dB / 124 dB A-weighted <10 Hz - 100 kHz (-1 dB), <10 Hz - >200 kHz (-3 dB) +33 dB, +8 dB with pad +12 dBu @ +8 dB gain approx.



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2.

2 k balanced / 1.1 k unbalanced 110 dB / 114 dB A-weighted (-11 dBu In @ +33 dB gain) 0.001% / 0.0008% A-weighted Power amp specifications RMS @ 1 % THD (sine wave), both channels driven: 8 per channel 165 W 250 W 4 per channel RMS @ 1 % THD (sine wave), bridged mode: 8 500 W Peak Power, both channels driven 8 per channel 225 W 350 W 4 per channel Peak Power, bridged mode 8 800 W Loudspeaker connections Loudspeaker connector Professional speaker connectors (compatible to Neutrik Speakon) Load impedance Left/monitor 4/8/16 Right/mono main 4/8/16 Bridge 8/16 Power supply Voltage and fuse USA/Canada Gain Max. input level Impedance Signal-to-noise ratio Distortion (THD+N) Mono line inputs Type Impedance Max. input level Stereo line inputs Type Impedance Max. input level EQ Low Mid High 1/4" TRS connector, balanced approx. 80 k balanced, 40 k unbalanced 30 dBu 1/4" TRS connector, unbalanced approx. 40 k unbalanced +28 dBu 60 Hz / ±15 dB 700 Hz / ±15 dB 6 kHz / ±15 dB 120 V~, 60 Hz T 10 A H 250 V Europe/U.K.

/Australia 230 V~, 50 Hz T 5 A H 250 V China/Korea 220 V~, 50/60 Hz T 6.3 A H 250 V Japan 100 V~, 50 60 Hz T 12 A H 250 V General export model 230 V~, 50 Hz T 5 A H 250 V 120 V~, 60 Hz T 10 A H 250 V Power consumption max. 1 kW Mains connection Standard IEC receptacle Dimensions/weight Dimensions (H x W x D) Weight (net) Preamp outputs left/mono & right Type 1/4" TRS connector, unbalanced Impedance approx. 1.5 k Max. output level +21 dBu Power amp inputs Type Impedance Max. input level Monitor output Type Impedance Max. output level DSP Converter Sampling rate Main mix system data1 Noise Main mix @ -∞, Channel fader -∞ Main mix @ 0 dB, Channel fader -∞ Main Mix @ 0 dB, Channel fader @ 0 dB approx. 11" (280 mm) x 18 1/8" (460 mm) x 10 5/8" (270 mm) approx. 14 kg (30.

9 lbs) 1/4" TRS connector, unbalanced approx. 47 k +21 dBu Measuring conditions: 1: 20 Hz - 20kHz; measured at preamp output. All channels: level controls in center position; EQ flat. Reference = 0 dBu. 1/4" TRS connector, unbalanced 1.5 k +21 dBu 24-bit Texas Instruments 24-bit Sigma-Delta, 64/128-times oversampling 40 kHz -76 dB / -80 dB A-weighted -72 dB / -76 dB A-weighted -71 dB / -75 dB A-weighted 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 illustrated. 6. SPECIFICATIONS 9 EUROPOWER PMP2000 7.

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 such modification/adaptation, irrespective of whether it was carried out properly or not. Under the terms of this warranty, BEHRINGER shall not be held responsible for any cost resulting from such a modification/adaptation. 3. Free inspections and maintenance/repair work are expressly excluded from this warranty, in particular, if caused by improper handling of the product by the user.

This also applies to defects caused by normal wear and tear, in particular, of faders, crossfaders, potentiometers, keys/buttons, tubes, guitar strings, illuminants and similar parts. 4. @@@@5. @6. If an inspection of the product by BEHRINGER shows that the defect in question is not covered by the warranty, the inspection costs are payable by the customer.

7. Products which do not meet the terms of this warranty will be repaired exclusively at the buyer's expense. BEHRINGER will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within 6 weeks after notification, BEHRINGER will return the unit C.O.D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order. § 6 WARRANTY TRANSFERABILITY This warranty is extended exclusively to the original buyer (customer of retail dealer) and is not transferable to anyone who may subsequently purchase this product. No other person (retail dealer, etc.

) shall be entitled to give any warranty promise on behalf of BEHRINGER.



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§ 7 CLAIM FOR DAMAGES Failure of BEHRINGER to provide proper warranty service shall not entitle the buyer to claim (consequential) damages. In no event shall the liability of BEHRINGER exceed the invoiced value of the product. * Customers in the European Union please contact BEHRINGER Germany Support for further details. Technical specifications and appearance are subject to change without notice. The information contained herein is correct at the time of printing. All trademarks (except BEHRINGER, the BEHRINGER logo, JUST LISTEN and EUROPOWER) mentioned belong to their respective owners and are not affiliated with BEHRINGER. BEHRINGER accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph or statement contained herein. Colors and specifications may vary slightly from product. Products are sold through our authorized dealers only.

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36-38, 47877 Willich-Muenchheide II, Germany. Tel. +49 2154 9206 0, Fax +49 2154 9206 4903 10 7. WARRANTY EUROPOWER PMP2000 FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION Responsible party name: Address: Phone/Fax No.: hereby declares that the product BEHRINGER USA, Inc.

18912 North Creek Parkway, Suite 200 Bothell, WA 98011, USA Phone: +1 425 672 0816, Fax: +1 425 673 7647 EUROPOWER PMP2000 complies with the FCC rules as mentioned in the following paragraph: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Important information: Changes or modifications to the equipment not expressly approved by BEHRINGER USA can void the user's authority to use the equipment. 11 .



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