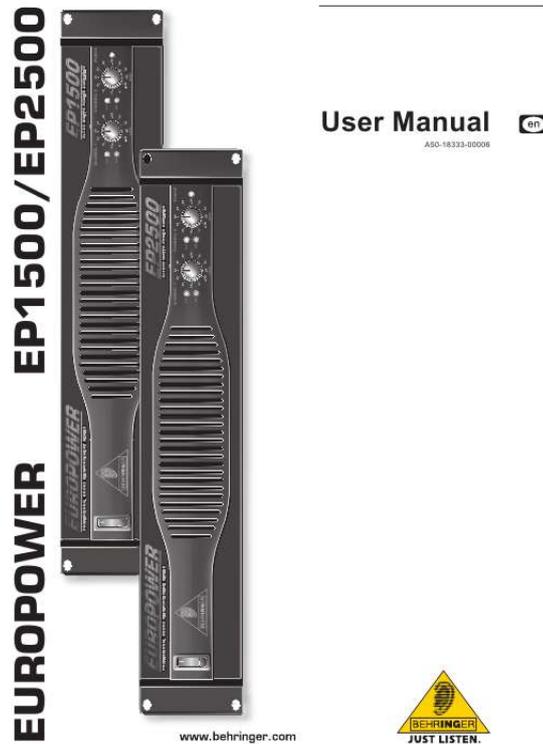




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for BEHRINGER EP1500. You'll find the answers to all your questions on the BEHRINGER EP1500 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual BEHRINGER EP1500
User guide BEHRINGER EP1500
Operating instructions BEHRINGER EP1500
Instructions for use BEHRINGER EP1500
Instruction manual BEHRINGER EP1500



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For your own safety, never remove or disable the ground conductor from the unit or the AC power cord. + 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 register your new BEHRINGER equipment right after your purchase by visiting <http://www.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://www.behringer.com>). Registering your purchase and equipment with us helps us process your repair claims more quickly and efficiently.

Thank you for your cooperation! Introduction 5 EUROPOWER EP1500/EP2500 2. Control elements Since control elements of both the EP1500 and the EP2500 are identical, we have used the EP1500 as the model represented in the illustrations to assure simplicity. 2.1 Front panel output, you MUST use the two middle posts only. + The mono-bridged mode puts added demands on amplifier and speakers.

Excessive distortion may occasionally completely mute the amp's outputs as well as cause permanent damage to the speakers. Please assure that your speakers (minimal impedance 4 Ohms) as well as the cables used can handle the extra power generated in this mode. Fig. 2.3: DIP-switches 2.3.1 Clip limiter When the input signal connected to your amp is too high, you end up with a distorted output signal. Unbalanced. Applications 9 EUROPOWER EP1500/EP2500 4. Installation Your EUROPOWER can be installed into a 19" rack and requires two rack units.

Please use four attaching screws and washers for installation. Reinforce the back end, especially for on-the-road use. Please assure that enough cool air reaches the rack, especially when other rack equipment emanates a lot of heat. In the case of the EUROPOWER EP1500 and EP2500, hot air circulates at the front of the unit to thermally relieve the rack enclosure. + Fan speed adjusts automatically and assures safe operation. Never block ventilation openings. Should internal temperature reach extreme values, the unit will shut down automatically. 4.1 Connections Inputs Each channel features balanced XLR and 1/4" TRS stereo jack inputs, with input impedances of 20 k (balanced) and 10 k (unbalanced). In general, balanced signals cause less noise than unbalanced signals.

For balanced input signals, use the XLR and 1/4" TRS stereo inputs. For unbalanced input signals, use the unused pin of the XLR connector with grounding. No alteration is necessary on mono jack connectors. @@@@Otherwise, permanent damage to your speakers may occur. @@@@The lower connector carries the signals from channel 2 only.

Fig. 3.7: Stereo bi-amp mode with a separate subwoofer Fig. @@@@2. @@@3.

Attach the terminal of your loudspeaker cable to the corresponding binding post. 4. Place the protective plastic covers into its original upright position on each binding post and replace the two screws. + Never operate the device without the protective plastic covers in place! 4.2 Audio connections Various cables are needed for different types of applications. The following illustrations show the correct wiring. Always use high-grade cables. @@Otherwise, one single unbalanced cable can turn the entire signal unbalanced. Fig. 4.

3: XLR connections Fig. 4.2: Protective plastic covers shielding the binding posts When using binding post connectors, please make sure that insulation on cables is not removed too high. Insert the naked part of the cable fully so that no metal is visible. Cable clamps must be isolated to avoid the possibility of electric shock. When running the amp in mono-bridged mode, always use the middle two binding post connectors, paying attention to correct polarity. Caution + If you notice naked cable endings on the binding post connectors, do not power up the amp because of the risk of electric shock. Fig. 4.4: 1/4" TS connector 4.

1.2 Connecting to the mains Always connect your EUROPOWER amplifier to the voltage specified on the rear of the device. Connecting the amp to an incorrect voltage can permanently damage your amp. Before powering up the amplifier, double-check all connections and fully lower the gain setting. Fig. 4.5: 1/4" TRS connector Installation 11 EUROPOWER EP1500/EP2500 5. Specifications EP1500 Output Power 20 Hz - 20 kHz @ 0.1% THD, both channels driven 8 per channel 4 per channel 1 kHz @ 0.1% THD, both channels driven 8 per channel 4 per channel 2 per channel Bridged Mono 8, 20 Hz - 20 kHz, 0.1% THD 8, 1 kHz, 0.1% THD 4, 1 kHz, 1% THD Distortion Frequency Response at 10 dB below rated output power at -3 dB points Damping Factor Noise unweighted, 20 Hz to 20 kHz Voltage gain 40x (32 dB) Input sensitivity V RMS (@ 8) Input impedance Controls Front Rear Indicators POWER CLIP SIGNAL Connectors Inputs Outputs Cooling Amplifier protection Full short circuit, open circuit, thermal and HF protection Stable into reactive or mismatched loads Load protection Turn-on/off muting, AC coupling Output circuit type Class AB complementary linear output Power supply Mains voltage/Breaker 100 - 120 V~, 50/60 Hz 220 - 230 V~, 50/60 Hz Power consumption Mains connector Dimensions/weight Dimensions (H x W x D) Weight Class H complementary linear output 1.15 V (+3.4 dBu) EP2500 260 W 400 W 280 W 450 W 700 W 800 W 900 W 1400 W < 0.01% 20 Hz - 20 kHz, +0/-1 dB 5 Hz - 50 kHz > 300 @ 8 -100 dB 450 W 650 W 500 W 750 W 1200 W 1300 W 1500 W 2400 W < 0.02% 50x (34 dB) 1.23 V (+4.0 dBu) 10 k unbalanced, 20 k balanced Power switch, gain control (channels 1 and 2) DIP switches (10x) green LED red LED, 1 per channel yellow LED, 1 per channel Balanced XLR and 1/4" TRS connectors Touch-Proof binding posts and NEUTRIK SPEAKON Continuously variable speed fan, back-to-front air flow 15 A 8A 1600 W Standard IEC receptacle approx. 88 x 482.6 x 402 mm approx.

3 1/2" x 19" x 15 4/5" approx. 15.7 kg approx. 16.6 kg approx. 34.6 lbs approx. 36.6 lbs 2600 W BEHRINGER makes every effort to ensure the highest standard of quality. Necessary modifications are carried out without notice.

Thus, the specifications and design of the device may differ from the information given in this manual. 12 Specifications EUROPOWER EP1500/EP2500 6. Warranty § 1 Other warranty rights and national law 1.



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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 <http://www.behringer.com> 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. @@@@. 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 during normal business hours BEFORE returning the product. All inquiries must be accompanied by a description of the problem. The buyer or his authorized dealer will receive a return authorization number. 2.

@@The return shipment address will be indicated by BEHRINGER. 3. Shipments without freight prepaid will not be accepted. § 5 Warranty regulations 1. @@@@2. @@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. Damage/defects caused by the following conditions are not covered by this warranty: = improper handling, neglect or failure to operate the unit in compliance with the instructions given in BEHRINGER user or service manuals. = connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used. = damage/defects caused by force majeure or any other condition that is beyond the control of BEHRINGER. 5.

Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the warranty. 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. Costs for freight and packing will be invoiced separately C.O.D. When the buyer has sent in a written repair order such costs will also be invoiced separately. § 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. § 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 such use neither constitutes a claim of the trademarks by BEHRINGER nor affiliation of the trademark owners 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. Our products are sold through authorized dealers only. Distributors and dealers are not agents of BEHRINGER and have absolutely no authority to bind BEHRINGER by any express or implied undertaking or representation.*

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