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1 Instruction Guide EUROPOWER / Professional 4000 and 2000-watt stereo power amplifier with ATR (accelerated transitional response) Technology 2 2 EUROPOWER / Index Instruction Guide Thank you ... 2 Important safety instructions... 3 Legal refusal... 3 Limited Guarantee Introduction Before Starting Controls Front Rear Configuration Switch (MODE SWITCHES) Apps Differences Between Two-Channel Mode, Parallel and Bridge Mono-Bi-Amplifier Connections Audio Links Technical Data Thanks for choosing the BEHRINGER EUROPOWER amplifier. This state-of-the-art device is designed for professional use in live applications, and many of its features make this part important in your sound equipment. EUROPOWER amplifiers offer an input filter for each channel, allowing you to remove low frequencies from the signal if you want. In addition, there is a limiter that protects your speakers. Several modes of operation, such as parallel mode and monomost, offer various effective implementation activities with the rest of the audio equipment. First, this guide describes the controls and connection points so you can fully understand the EUROPOWER amplifier and its function. Next, the guide focuses on many applications where you can use the EUROPOWER amplifier, finishing with more information on how to install and make connections to the amplifier. Have fun with the new amplifier. 3 3 EUROPOWER / Instruction Guide Important Safety Instructions Warning! The terminals marked with the symbol have enough electric current to pose a risk of electric shock. Use only high-quality commercially available speakers with pre-installed 1/4TS plugs. All other installations and modifications must be carried out by qualified specialists. This symbol, wherever you find it, warns you to read the processing instructions that accompany the equipment. Please read the instructions. Careful to reduce the risk of electric shock, do not remove the lid (or back). There are no interchangeable parts inside the user. Use a qualified professional to do this. Careful to reduce the risk of fire or electric shock, the device should not be exposed to rain or moisture. In addition, items containing liquids, such as jars, should not be sprayed or placed on top of the device. Beware, these operating instructions should be used exclusively by qualified service professionals. To avoid electric shocks, do not perform any repairs or interventions, instructions if you don't have the necessary qualifies. To avoid electric shocks, do not perform any repairs or interventions other than those specified in the operating instructions. You should only do this if you have the necessary qualifications. Read these instructions. 2. Keep these instructions. 3. Pay attention to all warnings. 4. Follow all the instructions. 5. Do not use this device near the water. 6. Clean only with a dry cloth. 7. Do not let the ventilation. Installation in accordance with the manufacturer's instructions. 8. Do not place near any heat sources such as radiators, hot air nozzles, furnaces or other appliances (including amplifiers) that produce heat. 9. Do not cancel the goal of safety of polarized traffic jams or grounding. The polarized fork has two reeds, one wider than the other. The ground plug has two reeds and a third ground tooth. A wide wayne or third tooth is provided for your safety. If the plug you are not in the socket, contact the electrician to replace the out-of-date socket. 10. Protect the power cord from tread or grip, especially on traffic jams, extensions and the point where the device exits. Make sure the power cord is protected. Check, in particular, the corks, vessels and the point at which the cable comes out of the device. 11. The device should always be connected to the set with the protective conductor intact. 12. If you use the main main plug or socket to disable the operating block, it should always be available. Use only the connections/accessories specified by the manufacturer. 14. Use only a trolley, frame, tripod, stand or table specified by the manufacturer or sold with the device. When using a stroller, be careful when moving the assembly of the trolley/device to avoid damage caused by a third party. 15. Turn off this device during a thunderstorm or when it is not in use for long periods of time. Any type of repair should always be carried out by qualified staff. Repairs are required whenever the device has been damaged in any way, for example: in the case of a power cord or fork if they are damaged; If the liquid has been spilled or objects have fallen into the device; Where the device has been exposed to rain or moisture; if it doesn't work normally, or if it's dropped. 17. Correct removal of this product: This symbol indicates that the product should not be disposed of with household waste in accordance with the WEEE Directive and national legislation. This product must be delivered to a licensed electrical and electronic waste collection centre (EEA). Mishandling of this type of waste may have a possible negative impact on the environment and human health due to potentially hazardous substances that are commonly associated with the EEA. At the same time, your cooperation to properly remove this product will contribute to the efficient use of natural resources. For more information on where you can leave your recycling equipment, please contact your local municipal waste management or waste collection services. LEGAL REQUIREMENTS FOR TECHNICAL SPECIFICATIONS AND APPEARANCE MAY CHANGE WITHOUT NOTICE, AND THERE IS NO GUARANTEE OF ACCURACY. BEHRINGER IS A MEMBER OF A GROUP CALLED MUSIC GROUP (MUSIC-GROUP.COM). 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Box 146, Road Town, Tortola, British Virgin Islands LIMITED WARRANTY 1 Warranty (1) This limited warranty is only valid if you purchased the product from an authorized DISTRIBUTOR of MUSIC Group in the country of purchase. The list of authorized distributors can be found on the BEHRINGER behringer website. com in Where to Buy, or you can contact the office of MUSIC Group closest to you. (2) MUSIC Group ensures that the mechanical and electronic components of this product are free of defects in the material and fabrication if they are used under normal operating conditions for one (1) year from the original purchase date (see Limited warranty terms of 4 below) if the longer minimum warranty period was not binding in accordance with applicable local laws. If the product does not show any defects during the specified warranty period and that it is Not excluded under 4, MUSIC Group, at its discretion, will replace or repair the product using the appropriate product or new or repaired parts. If MUSIC Group decides to replace the entire product, this limited warranty will apply to product reset for the remaining initial warranty period, i.e. one (1) year (or other applicable minimum warranty period) from the date of purchase of the original product. (3) In accordance with the confirmation of the warranty request, the refurbished or replaced product will be returned to the user with the cargo paid in advance by MUSIC Group. 4 4 EUROPOWER / Instructions (4) Requests for guarantees, except the above, are expressly excluded. PLEASE KEEP THE INVOICE. THIS IS YOUR PROOF OF PURCHASE, COVERING YOUR LIMITED WARRANTY. THIS LIMITED WARRANTY IS NOT INVALID WITHOUT SUCH PROOF OF PURCHASE. 2 Online registration Please be sure to register your BEHRINGER equipment shortly after purchase in behringer. with support and please read the terms of our limited warranty. By registering the purchase and equipment we have, we are quicker and more efficient to process your repair requests. Thank you for your cooperation! 3 Permission to return the material (1) For warranty service, please contact the seller from whom the equipment was purchased. If your music group supplier is not nearby, you can contact the MUSIC Group distributor for your country listed in support of the behringer. C. If your country is not listed, you can contact BEHRINGER Customer Service, whose data can also be found in the behringer support service. S. Also, please send a warranty request online to behringer. before the product returns. All surveys must be accompanied by a description of the problem and a serial product number. After checking the right to guarantee the product with the original invoice, MUSIC Group issue a permit for the return of materials (RMA) number. (2) The product must then be returned in the original box, as well as the return authorization number at the address specified by MUSIC Group. (3) Deliveries without prepaid delivery are not accepted. 4 Exclusion Guarantee (1) This limited warranty does not apply to consumable parts that include, but are not limited to, fuses and batteries. If applicable, MUSIC Group ensures that the valves or counters contained in the product are free of defects in the material and work within ninety (90) days from the date of purchase. (2) This limited warranty does not apply to the product if it has been or mechanically altered in any way. If a product needs to be modified or adapted to applicable technical and safety standards at the national or local level, in any country other than the country in which the product was originally developed and manufactured, this modification/adaptation is not considered a material or manufacturing defect. This limited guarantee does not apply to such changes/adaptations, even if they have been made appropriately or not. Under this limited guarantee, MUSIC Group is not liable for any costs associated with such changes/adaptation. (3) This limited warranty applies only to product equipment. It does not apply to technical assistance in the use of hardware or software and does not apply to any software product contained or not contained in the product. Any software is provided by AS FOR unless a limited software guarantee is directly provided. (4) This limited warranty becomes invalid if the serial number used in the plant has been changed or removed from the product. (5) Free maintenance/repair work is explicitly excluded from this limited warranty, especially if it is due to inappropriate user handling. This also applies to defects caused by wear and tear due to the use, especially sliding buttons, pots, keys/buttons, guitar strings, lights and similar details. (6) Damage/defects caused by the following conditions are not covered by this limited warranty: improper handling, negligence or inability to manage the device in accordance with the user's instructions or BEHRINGER maintenance manual; Connecting or operating a unit that in any case does not comply with the technical and safety regulations applicable in the country where the product is used; damage/defects caused by divine/natural actions (accident, fire, flood, etc.) or any other condition beyond THE MUSIC Group. (7) Any repair or discovery of a device made by unauthorized persons (including the user) voids the legal validity of this limited warranty. (8) If the product inspection carried out by MUSIC Group shows that the defect in question is not covered by a limited warranty, the inspection costs must be paid by the customer/buyer. (9) Products that do not meet the terms of this limited warranty will be repaired at the buyer's expense. MUSIC Group or its authorized service center will inform the buyer of such circumstances. If the buyer misses sending a repair request in writing within 6 weeks of the notification, MUSIC Group will return the unit with payment on delivery with a separate invoice delivery and packaging. Packaging. costs will also be included in individual invoices when the buyer submitted a request for repairs in writing. (18) AUTHORIZED suppliers of MUSIC Group do not sell new products directly at online auctions. Purchases made through online auctions are in the care of the buyer. Confirmations and receipts for the purchase of an online auction are not accepted to verify the warranty, and MUSIC Group will not repair or exchange any goods purchased through online auctions. 5 Transfer Guarantee This limited warranty applies exclusively to the original buyer (customer authorized distributor) and cannot be transferred to anyone who may subsequently purchase this product. No other person (distributor, etc.) has the right to give any guarantees on behalf of MUSIC Group. 6 The repair process under only mandatory local application laws, MUSIC Group has no financial obligation to the buyer for this guarantee for any consistent or indirect loss or damage of any kind. The financial obligations of the music group under this guarantee should not exceed the total amount of the invoice. 7 Limitation of Legal Responsibility This limited guarantee is a full and exclusive guarantee between you and THE MUSIC Group. It cert states all other written or conversational messages related to this product. MUSIC Group does not produce any other guarantees for this product. 8 Rights of other guarantee and national legislation (1) This limited guarantee does not exclude or restrict the legitimate rights of the buyer as a consumer in any way. (2) The limited safeguards mentioned in the present apply unless they constitute a violation of mandatory local enforcement laws. (3) This warranty does not detract from the seller's obligations regarding any non-compliance with the product or any hidden defect. 9 Guarantee terms can be entered without notice. For the latest terms and conditions and more information about the limited GUARANTEE of MUSIC Group, please contact full information online at behringer. C. - MUSIC Group Macao Commercial Offshore Limited de Rue de Pequim No. 202-A, Macau Financial Center 9/J, Macau, including all companies GROUP MUSIC 5 5 EUROPOWER / Instruction Guide 1. Introduction Honestly, who really likes to read the guide? We know you want to start now, but please read this guide carefully and save it for future help. Only after reading these instructions will you fully understand all the possibilities that the EUROPOWER amplifier has. 1.1 Before the start of deliveries, EUROPOWER was carefully packed into the to ensure safe transport. However, if the packaging appears to be damaged, make sure the appliance is not externally damaged immediately. If the device is damaged, DO NOT return the device to us, and immediately inform the seller and the carrier. Otherwise, any right to compensation may be terminated by providing sufficient air intake and distance from other heat-emitting instruments in order to avoid overheating of the final stage. The network is connected through a network cable connected to cold devices. It complies with the necessary security provisions. Do not forget that all devices must be unav nevskly grounded. For your own protection, you should never remove or disable grounding appliances or power cords. Il est possible que la qualite sonore du produit soit amoindrie par le voisinage de puissants metteurs radio/l'e ou d importantes sources de hautes fr'quences. Dans ce cas, augmentez la distance entre l'metteur et l'appareil et utilisez exclusivement des cbles audio blind online registration Please, after purchase register the device BEHRINGER as soon as possible in the use of the Internet and carefully read the terms of the warranty. If the BEHRINGER product breaks down, we'd be happy to repair it as soon as possible. Please contact the BEHRINGER dealer where you purchased the device. If the BEHRINGER dealer is not nearby, you can also go directly to our offices. In the original packaging you will find a list of contact addresses of BEHRINGER views (Global Contact Information/European Contact Information). If you don't have a contact address in your country, please contact your nearest distributor. You'll find their contact addresses in the service area of our page. If the device is registered in our services from the date of purchase, it is easier to treat if the warranty is used. Thank you so much for your cooperation! 2. Controls 2.1 Front (1) (2) (3) (4) (5) (6) Rice. 2.1: Controls on the front Because the controls of the final two stages are not different, we are limited in illustrations after the view in order to maintain a certain degree of clarity. (1) With the Switch Network enters the final stage of operation. If the device is turned off by the POWER switch, it is not completely separated from the power grid. Therefore, always remove the power cord from the socket without using the device for a longer period of time. (2) Exiting the hole The air is located on the front of the device, so that the heated cooling air does not enter the inside of its holder, causing the device to not work or be damaged. (3) CLIP LED lights up when the signal level turns over the final stage. If so, reduce the entry level to the appropriate value until the LED no longer lights up. (4) SIGNAL LED lights if the signal is found at the entrance. (5) GAIN (channels 1 and 2) is used to adjust signal amplification. (6) POWER LED lights up when the device is turned on. 6 6 EUROPOWER / Operating Guide 2.2 Back (7) (8) (11) (12) (13) (14) (9) (9) (10) (16) (15) Rice. 2.2: Controls and connections on the back (7) This xlr are symmetrical inputs (channels 1 and 2). (8) This is a mono-connector input (channels 1 and 2) that can also be occupied asymmetrically. (9) These are MODE switches that can be used to determine how to operate, as well as high-aisle limiter and filter settings (see chapter 2.3). (10) Here's a fan of the device. The fan speed is automatically adjusted, thus ensuring smooth operation. Keep a sufficient distance from other thermal devices to prevent EUROPOWER failures. (11) These are outlets (channels 1 and 2). In monobridge mode (see chapter 2.3.5), use only the first channel output. For more information on links, please visit chapter 4.1. (12) This is weekend terminals (channels 1 and 2). Keep in mind that in monobridge mode, two channel connections should be used to power the speaker. (13) BREAKER (automatic switch). After pressing this switch, you can start the device back in operation after all the sources of bugs have been debugged. BREAKER replaces traditional fuses.!! Caution: Before activating the BREAKER switch, always turn off the system (POWER switch in OFF position)! (14) The connection to the network is made with the help of a cold device socket IEC. A suitable network cable is part of the equipment supplied. (15) EUROPOWER SERIAL NUMBER. (16) You can find here a detailed general picture of the different functions of the mode switches (see (9)). 2.3 Configuration Switch (MODE SWITCHES) Pic. 2.3: EuroPOWER Clip Limiter DIP Switch If the input changes the final stage, a distorted output signal will receive. Both channels of the final stage are equipped for this case with a clip limitin that can be activated or disabled. Clip Limiter automatically recognizes remodulations and reduces amplification to acceptable distortions. To whom Signal dynamics, Clip Limiter, in the case of lower excessive modulation, acts with a more moderate suppression. Clip limiters are activated using switches 1 (Channel 1) and 10 (Channel 2). When using broadband acoustic systems, the clips limiter reduces the high-frequency distortions that occur when remodulations occur at the end stage. Thus, drivers are protected from possible damage to the Entry Filters Low Passage or high-frequency filter cuts frequencies below 30 Hz or 50 Hz. Therefore, bass playback is optimized because the ultra-low frequencies that cause interference are eliminated, thus making more energy available to play the desired frequency range. You can disable and activate filters with switches 3 (Channel 1) and 8 (Channel 2). Switches 2 (Channel 1) and 9 (Channel 2) determine the frequency limit. If the filter is disabled, frequencies below 5 Hz are turned off to protect against infrasound and continuous voltage. Adjust the filters depending on the frequency reaction of the speakers, because many speakers (such as bass reflex speakers) are very sensitive to too much membrane deviation below the specified frequency range. 7 7 EUROPOWER / Instruction Guide 50 Hz filter should be used for all broadband speakers because it has a slight amplification under 100 Hz where absolute sound is received. The 30Hz filter is extremely suitable for Subwoofer and large broadband booths. The Off setting should only be used for special applications, such as studio sound, where it is important to recognize the percentage of infra sounds in the mix and subsequently eliminate the two-channel operation (Operation Shiphonic) In this mode of operation, the two channels of the final stage work independently with a separate input signal. Two independent speakers are connected to the exit. Install MODE 4 and 5 switches in STEREO position to activate this mode of operation. In the two-channel mode of operation, the switches must be turned off for the monobridge (Dip switch 6 and 7 in the left position) Parallel Operation Parallel Connection provides parallel operation and through one of the inputs the signal is carried out on two exits. Each channel works with its own speaker with independent amplification, filtering and peak restriction. Place MODE 4 and 5 switches in parallel INPUTS to suck up input. In parallel mode, the work should be disabled switches for monobridge mode. When you connect inputs side-by-side, you can use the remaining connectors to transmit the signal to other amplifiers. This means that Channel 2 inputs in this case function as output. Parallel mode of operation is suitable when two speakers work with the same signal, although a separate amplification, filtering and regulation of the monobridge mode This mode of operation is added to the voltage of the two channels and the drive to the loudspeaker. This produces a double voltage, four-fold peak power and triple power of the constant output of one channel. The monobridge mode from the first channel uses input, exit, amplification controller, input filters and limiters. This mode does not use full Channel 2. To avoid overpayment through the internal phase inversion, you need to place the GAIN regulator from Channel 2 to the left side! Use this mode of operation to make the power of two channels available with one load of 8 or 4 Ohm. To do this, place the switches 6 and 7 in the BRIDGE MODE ON position. If you choose weekend terminals as a weekend, you need to use two central connections. 3. Applications We recommend running EUROPOWER is connected to 8 Ohm speakers with a output capacity of twice 400 watts () or twice 750 watts () in order to ensure maximum safety of work. 3.1 The differences between the two-channel, parallel and mono-bridge mode of bi-channel operation are the most commonly used amplifier mode. Both channels operate completely independently of each other. There is a separate input and output signal, respectively. Examples: Two independent monosigne in p.e.g. signal from the instrument and Monitormix of Operation Bi-Amp (from two amplifiers) with bass on channel 1 and treble on Channel 2 (see Chapter 3.2 Bi-Amping ) Input Channel 2 Input Channel 2 R Stereo from L XENYX X222USB Mixing console EUROPOWER (Stereo Mode) EUROLIVE B1520 PRO Full Range Loudspeaker Excessive remodulation can cause the amplifier to suppress sound or damage the speakers. Make sure your speakers (at least 4 ohm) and wiring can handle high power. Fig. 3.1: Two-Channel Operation 8 8 EUROPOWER / Instruction Guide Reece. 3.2: Dip switch settings for two-channel flight Parallel mode of operation corresponds to two-channel mode of operation, with a difference that the inputs of the two connected to each other internally. The input excites two channels in parallel, the filters of which, etc., can be adjusted separately. Examples: The mono signal feeds two channels of the final stage, and the amplification adjustment is regulated differently for each loudspeaker system Parallel operation (as described above) with the additional excitement of the other amplifier through a free input connection. In parallel mode, the input is released and can be sent at will If you enter a symmetrical input signal, you should only use symmetrical cables to transmit, since only one asymmetric cable can make the overall signal asymmetrical. Fig. 3.4: The immersion switch settings for the parallel

operation mode In the monobridge mode, the amplifier is configured internally so that the voltage of the two channels is added and directed to each individual acoustic system. There is an input and output signal accordingly, and only the functions of the first channel are used, not Channel 2. However, if dip 4 and 5 switches placed a drop of 4 and 5 in the PARALLEL INPUTS position in the open upper link (Channel 2 input) signal for transmission to another amplifier is located. Examples: Operating an individual 8 Ohm loudspeaker Operation 4 Ohm individual electric guitar mono from V-AMP PRO Input Channel 1 XENYX X222USB Mixing console EUROPOWER (Mono Bridget mode) EUROPOWER (Parallel Mode) BG412F pic. 3.5: Mono Bridge Mode EUROLIVE B1520 PRO Full loud Ranges Reece. 3.3: Parallel mode of operation 9 9 EUROPOWER / Sound Image Instruction By frequencies that cause interference, you should also use a 30Hz input filter for the Subwoofer signal. Using Clip Limiter in Bi-Amp mode, if you have a very sharp restriction, can cause the sound balance to move. XENYX X2222USB Mixing Console Reece. 3.6: DIP switches settings for monobridge mode If the final stage is changed over a longer period, the amplifier can suppress the sound within seconds. In some cases, a self-propelled switch may be activated. Always provide an adequate level of sound volume to avoid overmodulation!! Caution in the mode of operation of the load monobridge load 2 Om can not be used. If you enter only symmetrical cables to transmit, as only one asymmetric cable can make the overall signal asymmetrical. Precautions for the monobridge mode in the monobridge mode can occur quickly, which means that premature deactivation of the final stages can occur. At worst, the speakers may be damaged. So you should always pay attention if your speakers can handle high power. Between the output connections there is a output voltage that can reach up to 100 volt RMS. Therefore, when connecting the speakers, follow all security measures. A 3.2 bi-amplifier with an active diplexer can be divided into multiple bands. Thus, for example, you can divide the mono signal in the high frequencies and bass area. These two signals are connected to the inputs of the final stage, so that Channel 1 enhances the low frequency range and Channel 2 enhances the high-frequency range (two-channel operation). Exits at the end of the stage are connected to a two-part speaker, and output signal 1 is connected to the bass dynamics, and output signal 2 - to triple dynamics. Two separate speakers can also be used instead of a two-talking dynamic. The stereo can be divided in the same way. However, you'll need two two-dimensional speakers (or four separate speakers), two final STAGES of EUROPOWER and a two-dimensional stereo-diplexer. BEHRINGER SUPER-X PRO CX2310 is very suitable for this purpose, and also offers the output of Mono-Subwoofer. In the third stage of the choice in the monobridge mode and the dynamics of the Subwoofer, it will thus have an ideal increase for the two-amp stereo mode of operation in the low-frequency range (see Figure 3.7). In this case, the final stage of input filters for high frequency and mid-frequency range should be activated and adjusted to 50 Hz. To exclude from the stereo from EUROPOWER (Stereo Mode) Hi EUROLIVE B1520 PRO Full range loudly EUROPOWER (Stereo Mode) Hi L EUROLIVE B1520 Full range loudspeaker EUROPOWER (Bridge Mode) R Lo SubLIVE B1800X PRO. 3.7: Stereo B-Amp Mode with Separate Subwoofer SUPER-X PRO CX2310 Crossover 10 10 EUROPOWER / Instruction Guide 4. The installation can be mounted on a 19-stand and requires two high units. Use the fourth screws and washer to be mounted on the front. Also support the back of the amplifier, particularly for mobile use. Ensure sufficient fresh air in the stand, If other appliances channel hot air cooling in the stand. In EUROPOWER and hot cooling air comes out from the front so that the stand does not heat up. The fan speed is adjustable and ensures smooth running. Never block the entrance of the air and outlet entrances. The end-stage protection scheme has the function of protecting against excessive internal temperatures. 4.1 Entrance connections Each channel has xlr symmetrical inputs and 6.3mm star connector inputs, whose symmetrical input pulse is 20 k and asymmetrical is 10 kK. Symmetrical signs cause less problems with tinnitus than asymmetrical signals. For symmetrical inputs, use XLR input and a 6.3mm trap for 6.3mm star connector amounts. For asymmetric inputs, connect the xlr pin to the mass. In the case of mono connectors, there is no need to make any changes. If you hear interference signals, such as noise or buzzing, it is recommended to separate the amplifier input from the source. This way, you can determine whether the clutter noises are from upstream connected appliances. Don't forget to reduce the strengthening of the two channels before commissioning (the gain regulator to the left), otherwise the speakers may be damaged. EuroPOWER has several output connections: two sockets and two pairs of secure screw terminals. The professional compound is specifically designed to power powerful speakers. This compound is engaged, prevents electric shock and ensures proper polarity. The top socket can additionally control one or both channels, thus also in monobridge mode (1/2). The lower socket only holds Channel 2 signals. Professional speaker connector (compatible with Neutrik Speakon connectors) front view from the rear Of Reece. 4.1: Professional speaker connection as much as possible, use only thick and short cables for speakers to avoid power loss. Without disassembling the weekend cables next to the input cable, using connecting terminals to connect speakers to the cables with connection terminals at the end of the stage, continue as follows: 1) disconnect the device and disconnect it from the network connection (disable it). 2) Remove plastic protection at communication terminals. To do this, unsupport two screws on the right side of the joints and lift the defense straight up. 3) Attach the ends or, if necessary, the terminals of your speakers to the connection. 4) Return to plastic guard, perpendicularly, at the terminals of the connection and cross it with the same screws. Never use a device without plastic security in place! Fig. 4.2: Plastic protection on connection terminals If you use connection terminals, you need to make sure that the end of the cable is not too numb and that it is completely inserted, without an unprotected cord in sight. Cable terminals must have insulated terminals to avoid the risk of electric shock. Two central terminals must be used in the monobridge mode. Also, make sure the polarity is correct. Caution If the ends of unprotected cables are in sight, the amplifier should not be put into operation, as there is a risk of electric shock. Connect to the EUROPOWER network only to the correct voltage of the network specified on the device. Connecting to the wrong voltage network can damage the amplifier. Before you connect, check all cable connections and reduce amplification. 11 11 EUROPOWER / Instruction Guide 4.2 Audio Connections for different applications, you will need a variety of different cables. The next figure shows how these cables should be. Always use high-quality cables. If you enter a symmetrical input signal, use only symmetrical cables to transmit, as only one asymmetric cable can make the overall signal asymmetrical. Balanced use with XLR connectors, entered 1 - ground/shield 2 - hot (ring) 3 - cold (-we) outlet for unbalanced use, pin 1 and pin 3 should be bridge pic. 4.3: XLR Unbalanced 1/4 TS connector strain relief clip sleeve sleeve (ground/shield) tip (signal) Pic. 4.4: 6.3mm Balanced 1/4 TRS connector strain relief straining sleeve sleeve-type ground/shield 5. Technical power output 1% THD (Wave Bell), both channel Directed 8 Ω for Channel 550 W 4 Ω for Channel 950 W 2 Ω on Channel 1250 W 8 Ω for Channel 350 W 4 Ω for Channel 500 W 2 Ω on Channel 650 W 1% THD (Wave Bell), Bridge Mode 8 Ω 17 50 W 4 Ω 2400 W 8 Ω 1000 W 4 Ω 1300 W Maximum Power, both channels Channel 8 Ω on Channel 750 W 4 Ω on Channel 140 0 W 2 Ω on Channel 2000 W 8 Ω on Channel 4,000 W 4 Ω on Channel 750 W 2 Ω on Channel 1000 W Maximum Power, Bridge Mode 8 Ω 2800 W 4 Ω 4000 W 8 Ω 1500 W 4 Ω 2000 W Ring Cold (-we) Hot Tip (Sound) To Connect Balanced and Unbalanced Traffic Jams The ring and sleeve should be a bridge on the stereo plug. Fig. 4.5: 6.3 mm 12 12 EUROPOWER mono plug plug connector / Distortion Factor Instruction Guide qlt: 0.02% zlt: 0.01% Cooling / Rotation adjustment depends on temperature, air circulation Frequency response to 10 dB with optimal modulation at points -3 dB Damping factor 20 Hz - 20 xs, 0/-1 db 5 Hz - 50 x zgt; 8 Ω Circuit Protector / Counter: short circuit, open output, Thermal Overload and Additional AF: Stable Work with Complex Loads Unweighted Noise, 20 Hz - 20 xs Gain Entry Sensitivity V RMS 8 Ω) Entry Impedance / Regulators / Front function switches back -100 dB 50x (34 dB) 40x (32 dB) 1.23 B (4.0 dbu) 1.15 V (3.4 dbu) 10 KK (asymetric), 20 KH (symmetrical) Power Switch, Amplification Regulator (channels 1 and 2) SWITCHTEL DIP (10x) Speaker Protection / Power Type Fuse On/Off Mute, Continuous H Voltage Protection in the AB Symmetry Circuit 50/60 Hz 15 A HS, 50/60 Hz 8 Consumption Network Connection Dimensions / Weight 2600 W 1600 W Standard Cold Connection LED POWER CLIP SIGNAL Inputs LED green LED red, 1 channel LED yellow, 1 on channel XLR sockets and 6.3mm stereo nest symmetrical touch-threaded messages and connections (speak compatible) Size (A x L X) 88 x 482.6 x 402 mm ca. 16.6 kg ca. The 15.7 kg BEHRINGER makes an ongoing effort to provide the highest possible quality standard. The necessary changes will be made without notice. Thus, the technical data and image of the device can show differences in the presented readings and numbers. 13 We hear you you behringer ep4000 manual pdf. behringer ep4000 manual en español. behringer ep4000 manual español

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