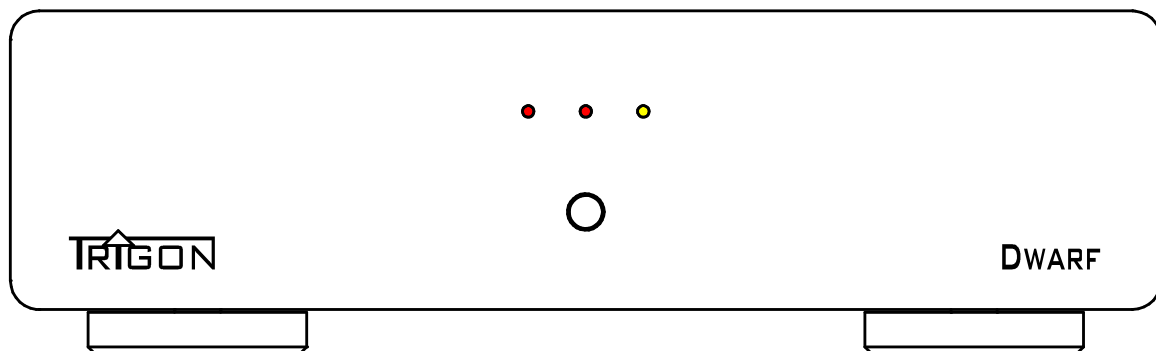




INSTRUCTION MANUAL

FOR MONO POWER AMPLIFIER

Dwarf



Mono Power Amplifier **DWARF**

TRIGON DWARF- The David between the Mono Power Amplifier

The extrem skinny construction under the use of massive aluminium and structure vanished steel, realizes a timeless and highquality design. Compared with TRIGON Suspension Absorber feet, external disturbances of sensitive music signals will be reduced to a minimum.

The covered power cable TRIGON Volt and a very flat designed, but highly overdimensional power pack, guarantee a signal adequate power supply. This complete and discreet built output stage, which keeps short signal ways, fulfils all the complexity of musical expectations. The DWARF gives- what the music plays – with sensitivity and power to the speaker. It is the mediator between the music and its emotions. The DWARF unites precise technology, high operational safety and operating comfort. A long distance signal way protected switch design supervises the amplifier electronic. All operational conditions are switched with a frontage key through a relay and are signalled through LED display. Optional is a standby mode which causes turn on / turn off of the Mono Amplifier, while incoming, or—after a long break of listening- missing music signals. For a pleasant realized operation it is recommended to place the DWARFS in immediate proximity to the speakers – not only during stereo operation, but also while using multi–channelling.

We thank you very much for choosing DWARFS and wish you to enjoy music and technology.

DELIVERY CONDITIONS

Regularly the DWARFS are delivered in pairs in a box. Except the DWARFS you will also find two main cables, an operation instruction and a guarantee card.

Please keep the original packaging, so you can send, in case of service or guarantee, safely and avoid transportation damage.

INSTALLATION AND START-UP

Regularly Mono Power Amplifier is situated close to the speakers. With lower ohm output impedances at the preamplifier the connection Cable should not be longer than 5 meters. Avoid direct insolation, or other heat sources and any kind of humidity. Keep the louvers absolutely free. Don't put the amplifiers on top of each other. There should be at least a minimum of 15 cm space between the two DWARFS. This measure is important, because the equipment could easily overheat. Turn the volume control at the pre-amplifier to "Zero". Connect one of the exits of the pre-amplifier with the entrance (5) of the DWARF.

Connect now the affiliated cable on the speaker (entrance 6 & 7). Take care of the right poling (pole); otherwise the sound quality would suffer considerably.

Next you have to switch the main cable in the socket (8), and connect it with the 230-volt net.

Finally you turn the backbone network switch (9) in direction "Power" and your amplifier DWARF is operating.

OPERATION

1. On/Off key: This key has two functions. As soon as your M.P.A. is switched on, with the backbone network switch (9) on the backside, your M.P.A. is in a standby-mode. With a single push on the key your speaker relays are switched on, which the upper LED display signalises. With another push you come in the automatic–mode and LED display(2) lights up. In this mode, the DWARF is switched on, as soon as a music signal comes in. At the same time LED (3) lights up.

If there is for about 5 minutes no incoming music signal, the MPA turns back in the standby-mode and LED (3) switch off. With another push on key 1 the MPA is back in the standby-mode.

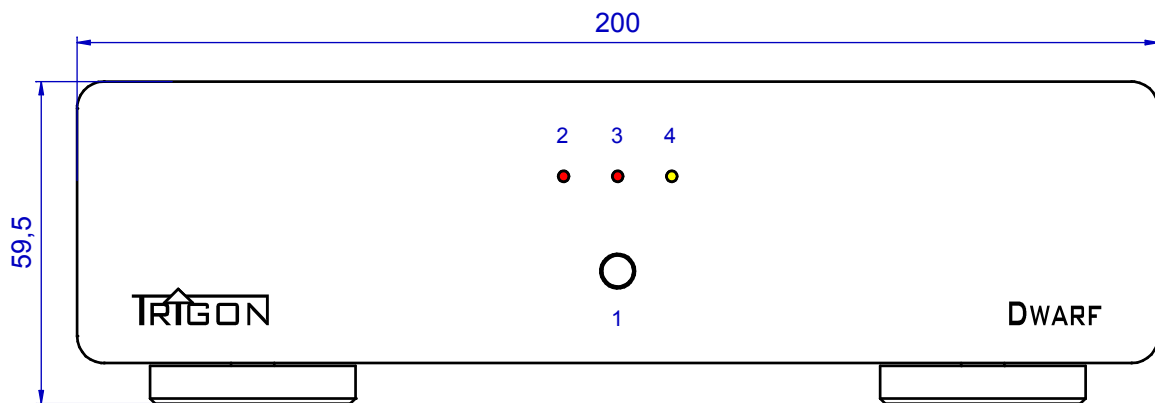
2. Automatic LED: This LED lights up, if the M.P.A. works in the automatic–mode.

3. On LED: This LED lights up, if the M.P.A. is switched on.

4. Safety – switch LED

This LED lights up, if the safety switch has recognized a fault. The Amplifier recognizes A.C. on the exit, overloading, main power failure and overheating. If this LED lights up for a longer time, one of the upper faults exist.

If the M.P.A. is overheated, it will switch on independently after a short time of cool down. At all other faults you have to disconnect the Amplifier completely on the backside with the main power switch. Due to this disconnection the security switch electronic will be reset and the amplifier can be switched on again after a few seconds. If the yellow LED (4) lights up continuously, there is a serious problem and the M.P.A. should be send to a service. A short light up, while you switch the main power on is normal, and is only a control of function of the LED.



5a. Input socket: To this socket you connect the exit of the preamplifier.

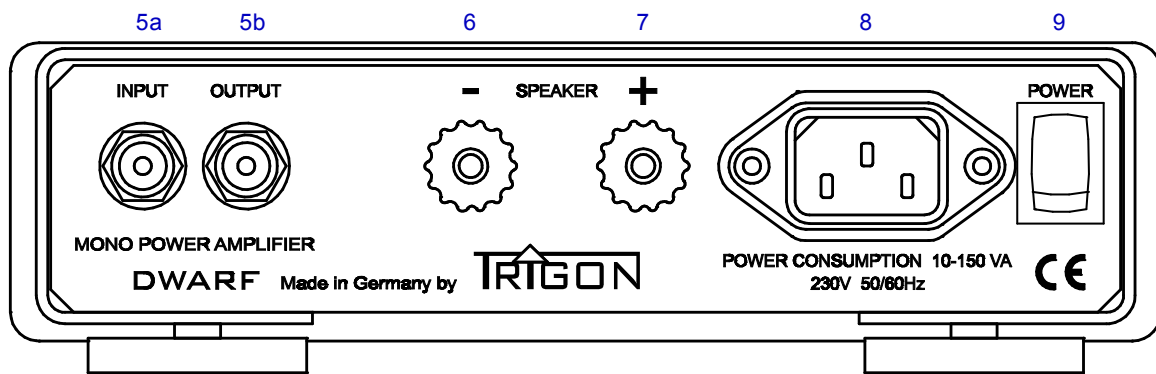
5b. Output socket: Connect at this socket another DWARF (at his input socket) for Bi-amping.

6. Speaker socket minus: To this socket you connect the minus pole of the speaker cable.

7. Speaker socket plus: To this socket you connect the plus pole of the speaker cable.

8. Net socket: To this socket you connect the main power cable.

9. Backbone network switch: With this key you switch the amplifier on. It will be set the amp in the stand-by-mode. Please use your amplifier always in the standby-mode, except you know, that you will not use it for some days.



Technical Dates:

| | |
|----------------------|---------------------------------|
| Input Impedance | : 47KOhm |
| Input | : 1x Cinch Unbalanced |
| Output | : 1x Speaker |
| Output Power | : 1x 90W at 4 Ohm, 60W at 8 Ohm |
| Signal Noise | : 40 μ V (A-weighted) |
| Frequency Response | : 20Hz – 150KHz (-3dB) |
| THD + N | : < 0.02% |
| Dimensions H x W x D | : 59,5mm x 200mm x 330mm |
| Weight | : 5.2 kg |
| Warranty | : 3 years |

Manufacturing and Development:

TRIGON ELEKTRONIK GMBH

Crumbacher Str. 60
D-34277 Fuldabrück - Bergshausen

Tel. +49 (0) 561 - 20753880
Fax +49 (0) 561 - 20753888

e-mail: trigon@trigon-audio.de
web: www.trigon-audio.de