

# *FISCHER AMPS*

## Manual

# SHAKER AMP



### Dear customer:

You have decided to buy a *Fischer Amps* product. Thank you.

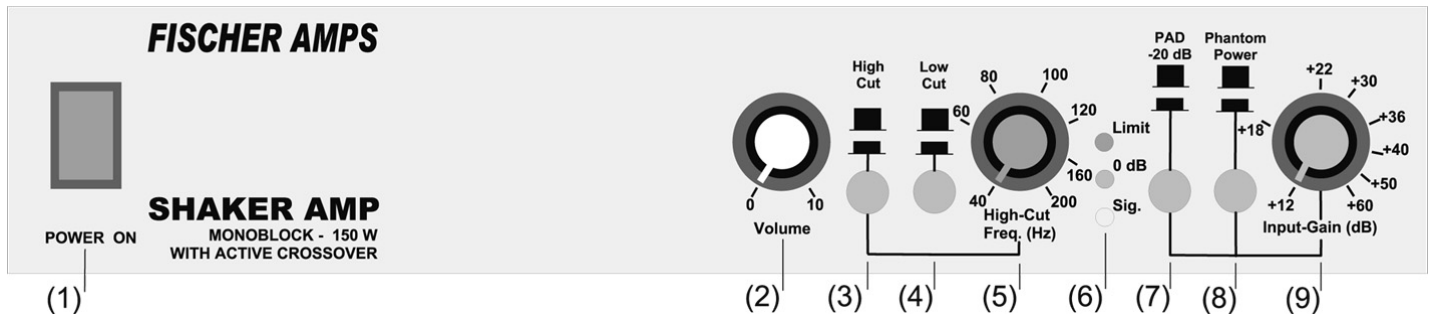
**Please read this manual carefully prior to the first use, you will get important information for use and safety of the unit. These safety and operating instructions should be retained for future reference.**

**Should you have further questions, please do not hesitate to contact *FISCHER AMPS*.**

### Product Description:

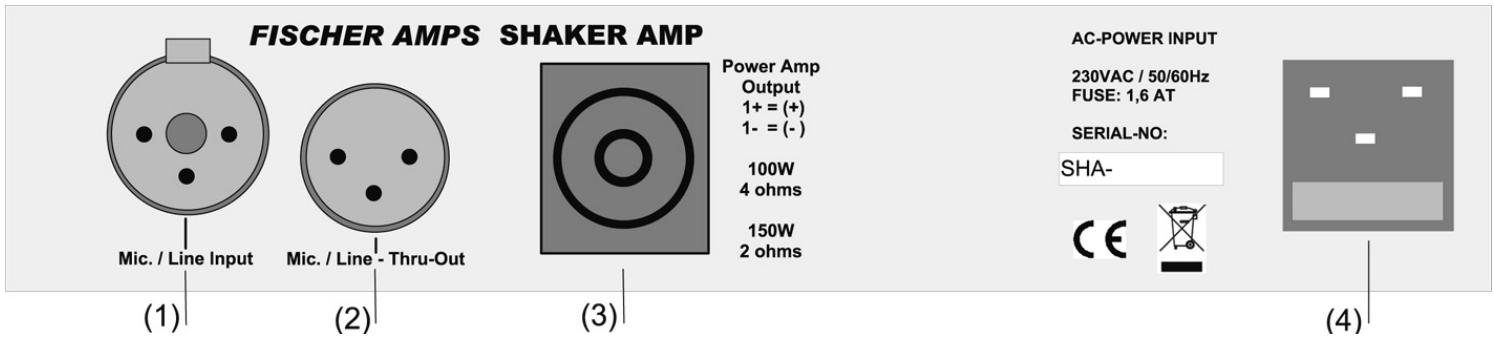
9.5-inch Amplifier to operate tactile transducers with a power of 150W into 2 ohms or 100W into 4 ohms. A microphone preamp with add-on 48V phantom power and -16 dB Pad switch is integrated in the Shaker Amp which allows to connect bass drum microphones directly. The combined XLR/jack connector is equipped with a parallel out to loop the input signal. The add-on active crossover (low pass 40 to 200 Hz/ 12 dB/oct.) and an add-on high pass with 20 Hz adjust the signal if necessary to the optimum working frequency of the shaker. The Shaker Amp is perfect for use with the FISCHER AMPS In Ear Amp or with a mixing console to operate the new ButtKicker mini or two to four Bass Pump bass shakers. A 19-inch rack adapter is included. The Amp can also be integrated in a 19-inch rack with the In Ear Amp (1U).

## Actuators and Connections Front Side



- (1)**  
Power Switch  
(with control lamp)
- Activate mains voltage. The Shaker Amps does not consume electric current when switched off.
- (2)**  
Volume Control:
- Adjust volume (intensity) of the power amp output.
- (3)**  
Add-On High Cut:
- This pushbutton activates the adjustable high cut (low pass). Tactile transducers are designed to reproduce bass frequencies which requires filtering of the high frequencies. The optimum crossover frequency is adjusted by means of the high-cut control.
- (4)**  
Add-On Low Cut:
- The add-on low cut (high pass) filters extreme low frequency signals below 20 Hz. This prevents the transmission of unwanted air noise when the bass drum is operated directly.
- (5)**  
High-Cut Control:
- Adjust upper crossover frequency when the high-cut is activated. 70 to 90 Hz is a practice-oriented value for the bass drum.
- (6)**  
Signal LEDs:
- The signal LEDs indicate the input level after the gain input. The level is adjusted with the gain control so that the yellow 0 dB LED lights with incoming signals. The red LED should only flash when there are loud signals. When the level is adjusted too high, the red LED lights constantly. If so, the integrated limiter reduces the level to avoid damage at the tactile transducer or overload of the amplifier.
- (7)**  
Pad Switch (- 20 dB):
- The Pad switch attenuates the level by -20 dB before the receive amplifier. When the input signal has a higher level and thus the red LED lights, press this button to adjust the optimum input gain.
- (8)**  
48V Phantom Power:
- Activation of microphone phantom power 48V to operate condenser microphones at the XLR input. Only switch on phantom power when a condenser microphone is connected.
- (9)**  
Gain Control:
- Adjust gain of the microphone input. The the Pad switch is pushed the adjusted gain is reduced by -20 dB.

## Actuators and Connections Back Side



(1)

Mic. / Line-Input (XLR-jack combi plug)

Signal input for the microphone or line input (balanced).

This input also handles unbalanced signals with a mono jack connector. Unbalanced signals with an XLR connector require that Pin 3 and Pin 1 of the plug are connected to audio ground. Phantom power is only possible with balanced input signal of the microphone.

(2)

Mic. / Line-Out / Thru-Out (XLR-male)

This input allows to loop the input signal to another unit.

The output and the input have a non-switched connection and function even when the Shaker Amp is switched off. Here the phantom power is output as well. This means that when two units are connected (Shaker Amp and e. g. mixing console), only activate one of the 48V phantom supplies.

(3)

Speakon-Power Amp Out

Speakon output to connect the tactile transducer or loudspeaker. Jack 1 + and 1 – are assigned at the quadripolar Speakon output. The amplifier generates 150 watts into 2 ohms and 100 watts into 4 ohms.

(4)

AC Power Input Connection

IEC jack to plug in the power cable. Pay attention that the mains voltage is correct. The power input contains a fuse holder with the 1.6 A power fuse and a spare fuse with 1.6 A. Inside the unit there are two more 4 A time lag fuses for the low voltage side which only actuate in case of fault or internal defect of the unit.

### Safety Information for the Shaker Amp:

- There are air slots at the front and back of the unit. During operation, the unit produces heat, therefore do not close these slots (danger of overheating).
- There are no parts inside the appliance which need maintenance service.
- Before opening the appliance, pull the power plug.
- Only operate the appliance at grounded current systems which fulfil VDE requirements. When in operation, the Shaker Amp needs protective earthing.
- Do not expose to humidity. When switched off, clean with a slightly damp cloth.
- As loudspeaker connection, provide cable with at least 1.5 sqmm wire cross-section, when the cable is longer than 6 m 2.5 sqmm wire cross-section.
- Do not connect load impedances less than 2 ohms to the amplifier output. Doing so can damage or overheat the amplifier.

<b>Specifications</b>	
Weight:	2.9 kg
Dimensions (W x H x D):	220 x 190 x 43 mm (9.5", 1U high)
Operating Voltage:	230V AC, 50/60 Hz, Fuse 1.6 A
Output Power:	150W @ 2 ohms, 100W @ 4 ohms
Input Connectors:	Balanced XLR/jack combi connector and link-out via XLR
Output Connectors:	Speakon-Out
Crossover (active):	Add-on low pass adjustable from 40 to 200 Hz, 12 dB/oct. Add-on high pass 20 Hz, 12 dB/oct.

### **WARRANTY:**

The manufacturer grants a warranty of 24 months from the date of purchase by the original owner for defects in materials or workmanship. When the appliance has been subject to misuse or has been altered, the warranty expires. When returning the defective unit, enclose the receipt, pack the unit to avoid transit damage, and return the unit carriage prepaid. The manufacturer does not accept carriage forward consignments.

## ***FISCHER AMPS***

**HANS ULRICH-BREYMAN-STR. 3, D-74706 OSTERBURKEN**

**Phone: +49 (0) 62 91- 6 48 79-0, Fax: 6 48 79 19**

**E-MAIL: [info@fischer-amps.de](mailto:info@fischer-amps.de), Internet: [www.fischer-amps.de](http://www.fischer-amps.de)**

