



BASS FIDELITY
ELECTRIC BASS COMBO AMP SERIES

IMPORTANT SAFETY INSTRUCTIONS



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT ENCLOSURE THAT MAY BE OF A SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK
DO NOT EXPOSE THE APPLIANCE TO RAIN OR HUMIDITY

- 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) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) 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.



INTRODUCTION

SCHERTLER BASS FIDELITY SERIES

High performance bass amplifiers for stage and studio.

Schertler's new Bass Fidelity amplifier series marks the company's arrival in the electric instrument market. With a long history of producing high-quality acoustic amplification systems, the Swiss manufacturer breaks new ground with three high performance bass combos designed to enhance the sound of any electric bass.

Every bass player wants to achieve a great sound, whether on stage, in the studio or simply practising at home. The Bass Fidelity series provides power and clarity without altering the instrument's tone or characteristics. A range of inputs and outputs make the combos suitable for use in different performance environments. A high-voltage Class A preamp section lets players shape and style their sound according to personal taste or specific requirements. An in-house developed Class D power amp together with long extension woofers supply that deep, clear and warm tone for which Schertler acoustic amps have become so famous.

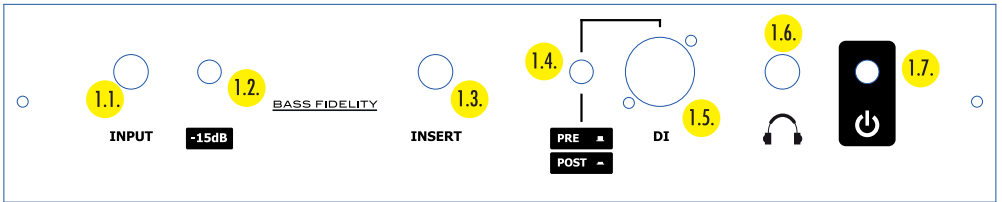
About the Bass Fidelity Series

B10: The B10 is an ideal companion for practice, travel and small venue use. This compact bass combo offers 300W RMS of power and is equipped with a 10" woofer, 1" compression driver, Class A transistor preamp and Class D amplifier. Weighing just 15.5kg, it is easily transportable and offers all the power, sound quality and flexibility you'd expect from a compact, high performance amplifier.

B12: The B12 bass combo has been designed with the small to medium venue in mind. Offering 400W RMS of power, it is equipped with a 12" woofer, 2 x 1" compression drivers, Class A transistor preamp and Class D amplifier. The B12 is suitable for a range of applications including practice, studio recording and live performance. Although larger than its B10 sibling, it still offers a practical solution for when travel and transportation are required.

B15: This top-of-the-range combo has a variety of uses for the bass guitarist, as well as delivering an amazing sound! Equipped with a 15" woofer, custom horn with 1" compression driver, Class A transistor preamp and Class D amplifier, the B15 packs out a useful 500W RMS of bi-amplified power, making it ideal for larger venues and loud environments such as rock concerts. The amplifier has a wide frequency range, resulting in a great bottom end and excellent overall dynamics. It is suitable for use with a range of instruments including 5- and 6-string basses.

1. TOP VIEW



1.1 INPUT

Unbalanced input for the connection of (6.3mm or 1/4") jacks.

1.2 -15dB (PAD)

If the input signal from jack input is too powerful and you have overloads, use the PAD switch to have 15dB reduction.

1.3 INSERT

Stereo JACK connector for connection to external effects via a Y cable.

1.4 SWITCH PRE-POST (DI-OUT)

If not switched the output signal is PRE-EQ, or POST-EQ if switched

1.5 DI-OUT

General output. XLR balanced type connector for connections of external systems.

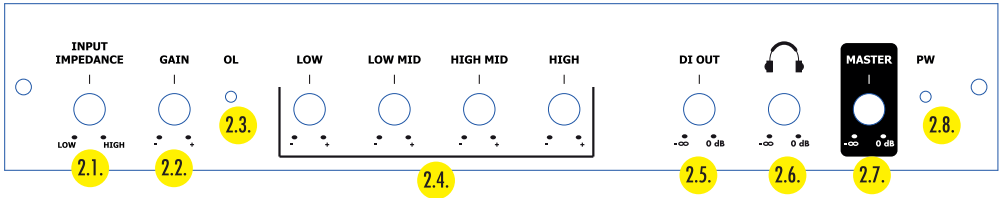
1.6 PHONES

Enables the connection of your headphones with a 6.3 mm or 1/4" jack connector

1.7 SWITCH STANDBY

Mutes the amplifier instantly

2. FRONT VIEW



2.1 INPUT IMPEDANCE

Matches the impedance from 40Kohm to 1,5Mohm (adjustable)

2.2 GAIN

This variable gain preamplifier adjusts the sensitivity level to ensure the best possible processing of the signal through the channel. It is important that this input level be set and optimised in the best way to achieve the cleanest sound possible.

2.3 OL (OVERLOAD)

This LED (when lit) indicates that the level of the input signal is too high so it might introduce distortions.

2.4 LOW, LOW MID, HIGH MID, HIGH

These controls are dedicated for high, mid and low frequency regulation. Offering cut and boost of +/- 15dB, they allow a wide range of tonal variations to be explored.

When the controls are positioned centrally there is no cut or boost of the selected frequency band.

2.5 DI OUT

This rotary control sets the output level on the DI OUT

2.6 PHONES

Volume control for headphones

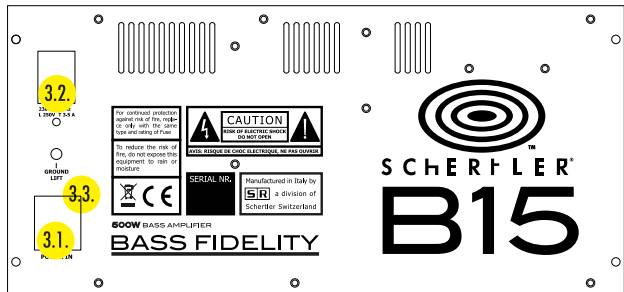
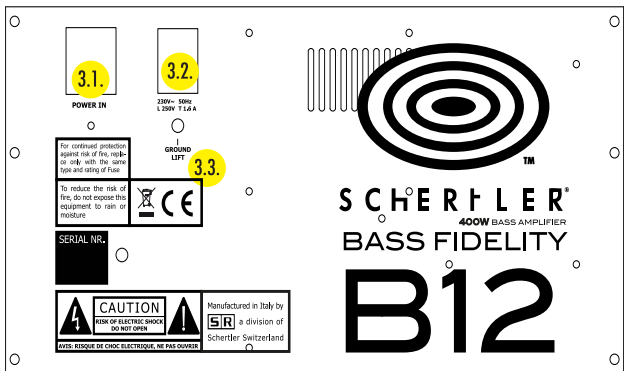
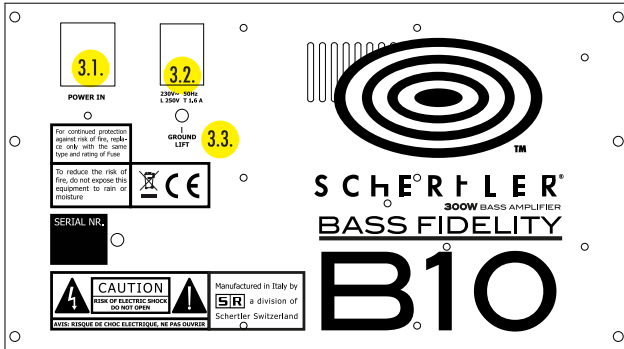
2.7 MASTER

This rotary control regulates the master volume

2.8 PW

Power indicator

3. POWER AMP



3.1. POWER IN

socket for power supply cable (provided), for connection to the electrical network

3.2. ON/OFF

main switch. The switch lights up when BASS FIDELITY is turned on

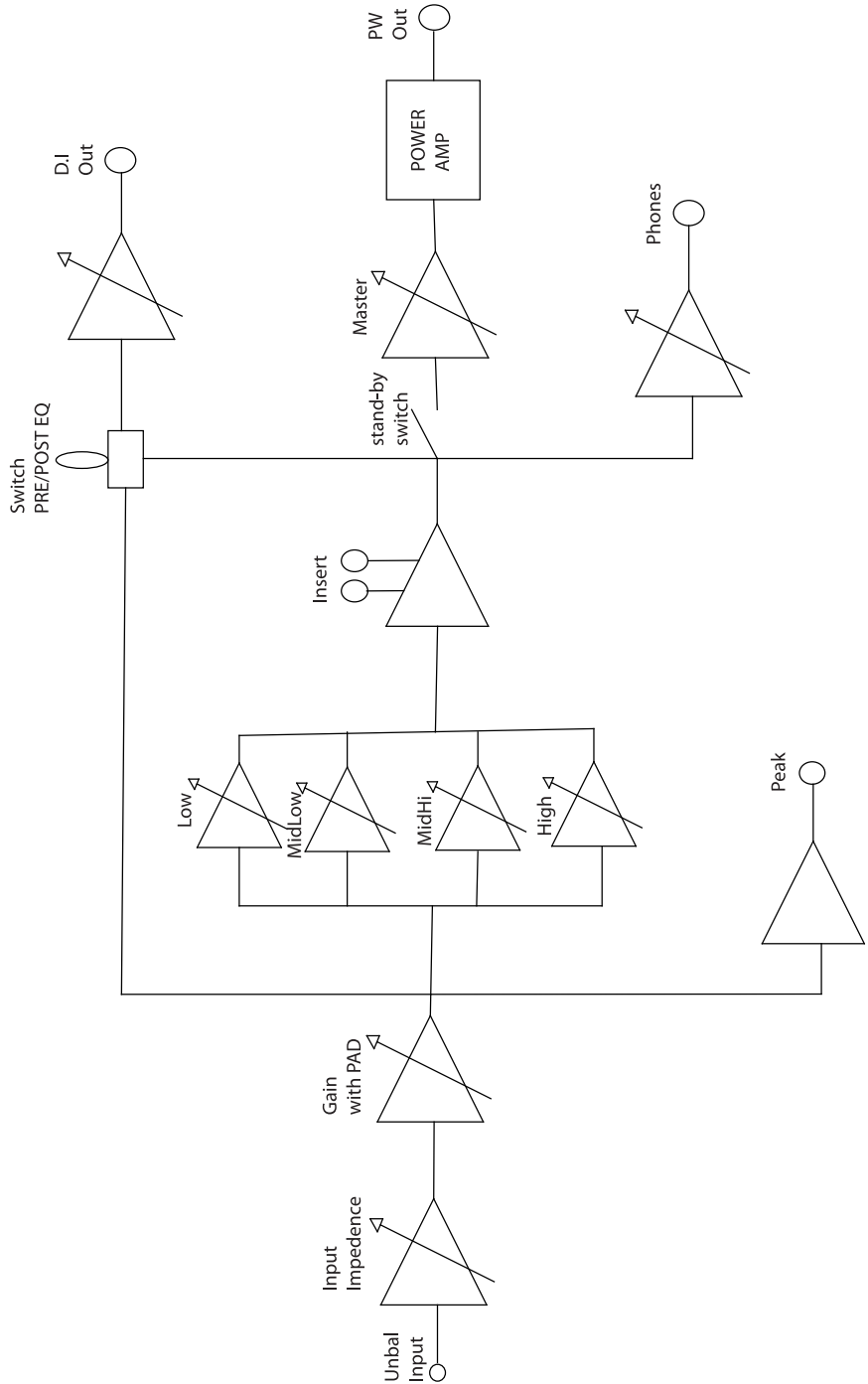
3.3. GND/LIFT

ground lift switch to disable the ground connection. Invert the position in the event of hums generated by the electrical network

4. TECHNICAL SPECIFICATIONS

	BASS FIDELITY 10	BASS FIDELITY 12
Power Handling	300W	400W
Frequency resp.	50Hz-18KHz +/-3dB	45Hz-18KHz +/-3dB
Sensitivity (1W/1m)	98dB	99dB
HF speaker	dome tweeter 1"	doble dome tweeter 1"
LF speaker	10"	12"
preamp	transistor	transistor
power amp	digital class D amplifier	digital class D amplifier
crossover	3.5kHz 18dB/oct	3.5kHz 18dB/oct
tone control	4-band +/- 15dB	4-band +/- 15dB
Impedence	22 Kohm to 2 Mohm @ 1kHz	22 Kohm to 2 Mohm @ 1kHz
balanced line out	XLR pre/post eq.	XLR pre/post eq.
Stand-by switch	yes	yes
Headphone output	yes	yes
Cabinet	2-way Bass Reflex Plywood	2-way Bass Reflex Plywood
Dimension	44x35x39cm	58x38x41cm
Weight	18Kg	21Kg
	BASS FIDELITY 15	
Power Handling	500W	
Frequency resp.	40Hz-16kHz +/-3dB	
Sensitivity (1W/1m)	100dB	
HF speaker	custom horn 1" compression driver	
LF speaker	15"	
preamp	transistor	
power amp	digital class D amplifier	
crossover	3 kHz 18dB/oct	
tone control	4-band +/- 15dB	
Impedence	22kohm to 2 Mohm @ 1kHz	
balanced line out	XLR pre/post eq.	
stand-by switch	yes	
Headphone output	yes	
Cabinet	2-way Bass Reflex Plywood	
Dimensions	63x44.5x43.5cm	
weight	24Kg	

5. BLOCK DIAGRAM



NOTES

NOTES

WARNINGS

PRECAUTIONS

WARNING

Read carefully this manual and follow these precautions before operating the device

Keep this manual for possible future needs

Pay attention not to pour liquids onto the device and do not operate in conditions of excessive humidity

Do not install the device close to sources of excessive heat, do not expose it to direct solar radiation and do not position it without protection in a dusty environment

Be sure that the mains voltage does not exceed the value indicated on the back panel

Do not use the device if the mains cable or the plug aren't in a perfect condition (if necessary, replace it)

If the mains cable has to be replaced, the operation must be carried out by qualified personnel. Replace the cable exclusively with one that is an exact substitute

In order to avoid interference, do not install the device close to power transformers, TV sets, RF transmitters, electric motors or any source of electric energy

Do not point microphones against speakers: this could generate annoying whistles (Larsen effect) that cause damage

In order to avoid unpleasant and costly inconveniences, use only original connecting cables

To completely disconnect this apparatus from the AC mains, disconnect the power supply cord plug from the AC socket

When cleaning, do not use solvents (e.g. acetone or alcohol). These could damage the external finishing and the serigraphy

Do not attempt to service this product. In case of malfunction of any part of the system call the nearest technical assistance centre or a specialized technical centre

For good ventilation, the dissipation vents should never be covered or obstructed by blankets, sofas or similar furniture. Be sure also to leave sufficient clearance between the dissipation vents and any other surface

No source of flames, e.g. candles, should be placed on or near the device

The device should not be exposed to water, even in small amounts. No object containing liquids should be placed on or near the device

The device should only be connected to a mains socket outlet equipped with protection ground system

When the device is installed, be sure the mains socket and the plug of the mains cable are easily accessible



ALL SCHERTLER® PRODUCTS ARE COVERED BY A LIMITED TWO-YEAR WARRANTY (FROM THE DATE OF PURCHASE) AGAINST MANUFACTURES DEFECTS. DETAILS CAN BE OBTAINED FROM YOUR LOCAL DEALER/REPRESENTATIVE. SCHERTLER SA STRONGLY BELIEVES IN "COMMON SENSE" AND THUS, MISUSE OF OUR PRODUCTS ARE NOT COVERED UNDER RIGHTS OBTAINED THROUGH OUR WARRANTY POLICY OR THAT OF INTERNATIONALLY RECOGNIZED TERMS AND CONDITIONS.

SCHERTLER SA IS CONSTANTLY AIMING TO IMPROVE ITS RANGE OF PRODUCTS THEREFORE, SCHERTLER SA RESERVES THE RIGHT TO AMEND PRODUCT SPECIFICATIONS WITHOUT NOTICE.

THE SCHERTLER® NAME/LOGO ARE REGISTERED TRADE-NAMES/ TRADEMARKS OF SCHERTLER SA, SWITZERLAND.

ALL SCHERTLER® PRODUCTS ARE OF PROPRIETARY TECHNOLOGY AND COVERED BY ONE OF MORE WORLDWIDE PATENTS.

SCHERTLER®

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