



Giulia
combo amplifier
for acoustic instruments

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

A Classic Amplifier with a Deluxe Soul!

GIULIA is the latest addition to Schertler's range of high quality acoustic amplifiers. The single-channel 50W ultra-compact amplifier is a smaller sibling of the 3-channel UNICO and 2-channel DAVID, offering musicians a highly portable option that doesn't compromise on either build or sound quality.

Schertler has been active in the field of amplifier development since the launch of its Classic Series in 2003.

Used by musicians worldwide, Schertler amps are renowned for their natural sound quality, flexible input/output options, robust construction, intuitive control surfaces and their suitability for use with all kinds of acoustic instruments and musical genres. Compatible with all currently available microphones and transducers, GIULIA is also a perfect partner for Schertler's DYN and STAT series of contact microphones and the BASIK pickup

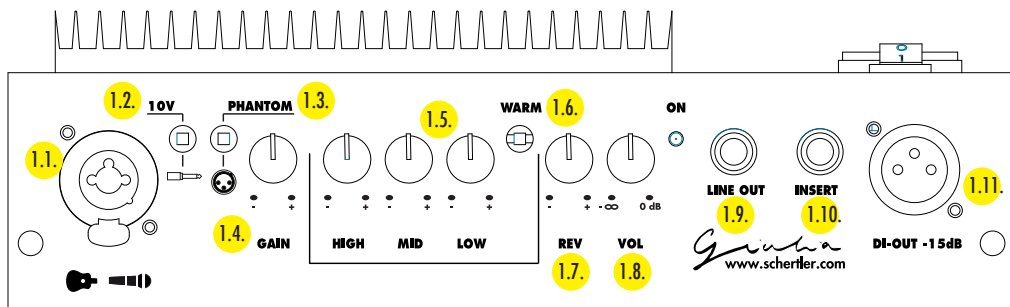
ABOUT GIULIA

GIULIA has been specially designed to provide the musician or sound engineer with a high quality compact amplifier that meets a range of live performance and recording requirements. Equipped with a 1" dome tweeter and 5" woofer, and weighing just 6.3kg, the amp features a single input channel with 3-band EQ and digital reverb. Two output options enable connection to a range of mixers, loudspeakers and other devices. Every section has been carefully engineered to guard against any possible problems that might originate from different sound sources.

HOW YOU CAN USE GIULIA

- GIULIA's single, flexible input channel accommodates both XLR and 6.33mm Jack connectors, enabling the connection of almost any kind of microphone. 48V and 10V phantom power is provided. The input can also be used with line level / high impedance sources such as a guitar, keyboard or CD player. The amplifier's intelligent electronics will automatically adapt to suit the sound source - you don't need to do anything!
 - The DI output enables the amplifier to be directly connected to a mixer. The Line Out enables the connection of another active loudspeaker, for example a subwoofer such as Schertler's BASS to give increased bass response.
 - The Insert enables connection of an external device such as a compressor, or other control unit. For easier volume control during live performance for example, you can connect Schertler's Volume Pedal.
- On the following page you will find a more detailed overview of the amplifier's front panel.

1. FRONT PANEL



1.1. MIC-JACK INPUT

This input is electronically balanced for XLR type connections. The new MIC/DYN channel is now conceived for any kind of signal sources. You can plug in vocal microphones, hi impedance signals and line signals. The electronics will adapt to any situation. No special action is required.

1.2. PHANTOM-10V

Phantom power supplies the jack connector with 10V for powering electret microphones.

1.3. 48V

Phantom power supplies the XLR connector with 48V for powering condenser microphones.

1.4. 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 should be set and optimised in the best way to achieve the cleanest sound possible.

1.5. HIGH, MID, LOW

These controls are devoted to high, medium and low frequency regulation. Offering cut and boost of ± 15 dB, 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.

1.6. WARM

When engaged, this low-pass filter damps higher frequencies to produce a warmer sound when using bridge-mounted pickups such as the SCHERTLER STAT-Series transducers for violin, cello and double bass.

1.7. REVERB

This rotary control sets the level of the digital reverb on the channel.

1.8. VOLUME

This rotary control regulates the channel volume.

1.9. LINE-OUT

This unbalanced jack plug enables the connection of external systems. The output volume depends on the regulation of the MASTER-VOL.

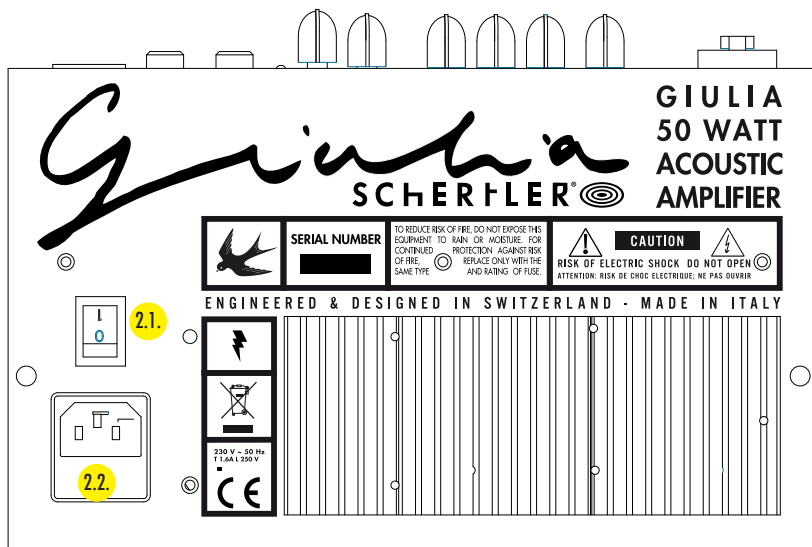
1.10. INSERT

This stereo jack plug enables the connection of an external device (compressor, equalizer, etc.) in series to all the outputs.

1.11. DI-OUT

General output. XLR balanced type connector for connections of external systems. The output volume does not depend on the regulation of the MASTER-VOL but is effected by changes in the channel volume.

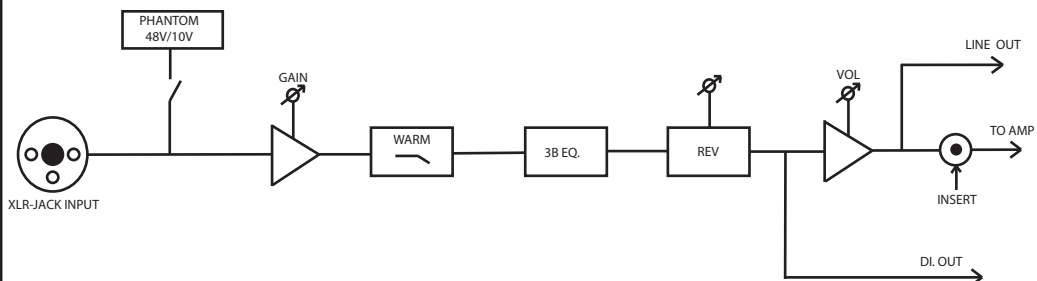
2. REAR PANEL



2.1. POWER ON/OFF
System ON/OFF switch.

2.2. MAIN POWER CONNECTION
Connection to mains (230V~/115V~ - 50Hz/60Hz)
PLEASE ENSURE THE PROPER VOLTAGE AND USE THE ORIGINAL CONNECTION CABLE

SIGNAL FLOW



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 main voltage does not exceed the value indicated on the back panel

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

If the main 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 heat sink should never be covered or obstructed by blankets, sofas or similar furniture. Be sure also to leave sufficient clearance between the heat sink 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

TECHNICAL DESCRIPTION

3.1. DESCRIPTION

Box two way, bass reflex

3.2. ENCLOSURE SECTION

Construction: Plywood

Weight: 6.3 kg

Dimensions: 27 x 18 x 28 cm

3.3. AMPLIFIED SPEAKER SECTION

Freq. resp.: 50Hz - 30kHz (-3dB)

Sensitivity: 88.4 dB

SPL max: 103.4 dB

3.4. TECHNICAL SPECIFICATIONS INPUTS

MIC-IN

Connector: XLR balanced / JACK 6.3mm unbalanced

Sensitivity: -52dB

Impedance: 4.7kohm

3.5. TECHNICAL SPECIFICATIONS OUTPUTS

LINE OUT:

Connector: JACK 6.3mm unbalanced

Level: 0dBu

Impedance: 100ohm

DI OUT

Connector: XLR balanced

Level: -15dBu

Impedance: 200ohm

AUX OUT

Connector: JACK 6.3mm unbalanced

Level: 0dBu

Impedance: 100ohm

3.6. INTERNAL EFFECT (digital reverb)

Freq. resp.: 200Hz - 10kHz (-3dB)

Delay time: c.a. 30ms

Reverb time: c.a. 2.8 s

3.7. COMPONENTS

Woofers: 5"

Tweeters: Dome 1"

Cross-over: Active, 24dB/octave

Amplifier: 30W + 20W RMS

8ohm

0.001% THD (1000Hz)

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.

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