



**Giulia Y**  
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.



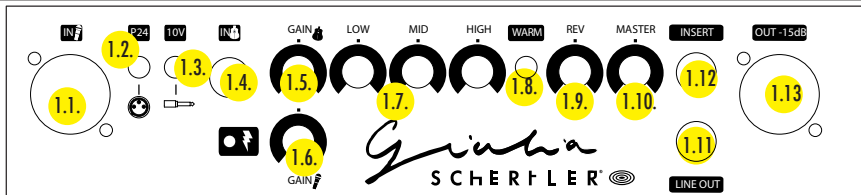
# INTRODUCTION

GIULIA Y is the latest addition to Schertler's range of high-quality, compact acoustic amplifiers. While retaining many of the features of its smaller sibling GIULIA, this new 2-channel model has enhanced circuitry and a new "look" that heralds the next generation of Schertler's amplifier technology.

Perfect for small venues, home studios or for practice, GIULIA Y offers 50W of bi-amplified power. Both input channels can accommodate XLR and 1/4" Jack connectors, making the amp suitable for use with a wide range of microphones including Schertler's DYN and STAT series, or the BASIK pickup. Phantom power (24V and 10V) is supplied. The inputs can also be used for guitars or other high level line sources, with the amplifier's intelligent electronics automatically adapting to suit. Both channels are equipped with 3-band EQ and Warm low-pass filter to produce a warmer sound when used with bridge-mounted pickups. Separate Line and DI outputs enable connection to a mixer, subwoofer or other external device.

GIULIA Y also has a high-quality digital reverb (controlled via potentiometer) and an Insert socket, enabling the connection of an external dynamics processor or a volume pedal.

# 1. FRONT PANEL



## 1.1. MIC 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. The electronics will adapt to any situation. No special action is required.

## 1.2. P24

The amplifier's XLR input provides 24V phantom power for use with a condenser microphone. Most condenser (and dynamic) microphones, along with some preamps, can be safely phantom powered. In certain cases however, phantom power can cause damage to a device. This tends to occur with unbalanced microphones, preamps or stompboxes that have been modified for balanced XLR use. If in doubt, please contact us to check the compatibility of your audio device before using the amplifier

## 1.3. 10V

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

## 1.4. STAT IN

Unbalanced input for the connection of jacks (6.3mm or 1/4"), with optimal sensitivity for high level signals, The electronics will adapt to any situation. No special action is required.

## 1.5. GAIN

This variable gain preamplifier adjusts the sensitivity level to ensure the best possible processing of the MIC 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.

## 1.6. GAIN

This variable gain preamplifier adjusts the sensitivity level to ensure the best possible processing of the STAT 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.

## 1.7. HIGH, MID, LOW

These controls are devoted to high, medium and low frequency regulation. Offering cut and boost of  $\pm 15\text{dB}$ , 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. The adjustment is on both channels

## 1.8. 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.

## 1.9. REVERB

This rotary control sets the level of the digital reverb on both channels.

## 1.10. MASTER

This rotary control regulates the Master on both channels.

## 1.11. LINE-OUT

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

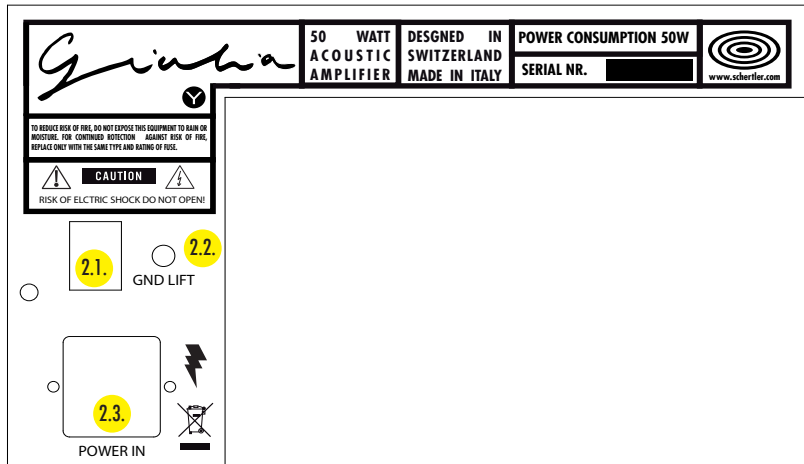
## 1.12. INSERT

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

## 1.13. 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

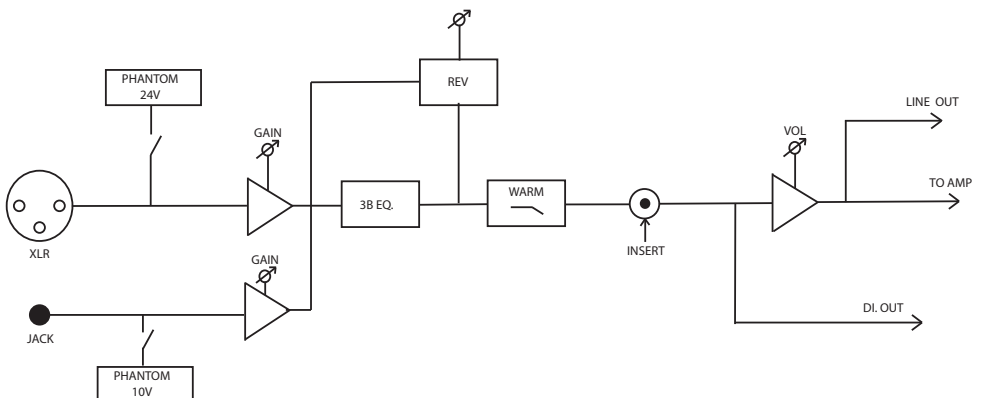


**2.1. POWER ON/OFF**  
System ON/OFF switch.

**2.2. GROUND LIFT**  
This switch connects and disconnects the ground

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

## SIGNAL FLOW



## NOTE

# WARNINGS

## PRECAUTIONS

### WARNING

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

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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: 6.8 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

Sensitivity: -52dB

Impedance: 4.7kohm

### STAT-IN

Connector: JACK 6.3mm unbalanced

Sensitivity: -47dB

Impedance: 820kohm

## 3.5. TECHNICAL SPECIFICATIONS OUTPUTS

### LINE OUT:

Connector: JACK 6.3mm unbalanced

Level: 0dBu

Impedance: 200ohm

### DI OUT

Connector: XLR balanced

Level: -15dBu

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

Woofer: 5"

Tweeter: 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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