

California100



Artesound

Hand Wired Tube Amplifiers - Custom Amplifiers

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1. Introduction

Welcome to *Artesound*

Thanks for having chosen the *California100* !

The California 100 is a powerful, compact, professional amplification system. Designed specifically for acoustic guitars, it is also suitable for use with other acoustic and electric instruments.

**The first acoustic amplifier totally 'Made in Italy',
the first with Bluetooth for studio recordings,
for backing tracks or for simply listening to music.**

2. IMPORTANT SAFETY INSTRUCTIONS



Symbol indicating hazardous, uninsulated, high voltage. The voltage inside the appliance may be high enough to provoke an electric shock.



Symbol warning the user of important instructions for the use and maintenance of the appliance.

WARNING:

To avoid risks of fire or electric shock, do not expose the appliance to rain or humidity.

Read these instructions.

Retain these instructions.

Heed all warnings.

Do not use the appliance near to water.

Clean the appliance only with a dry cloth.

Do not obstruct any air vents and use in sufficient space in compliance with the manufacturer's instructions.

Do not use the appliance near to sources of heat such as radiators, stoves or other appliances (including amplifiers) that generate heat.

Do not interfere with the safety protection of the grounded plug. A grounded plug has 2 electrical contacts plus a third ground contact. This third contact is there for your safety. If the plug supplied with the appliance does not fit your socket, ask a qualified electrician to change the plug for you.

In case of need or doubt, please contact our technical support service. Request assistance if the unit is damaged and, in any case, if the power cord or plug is damaged, if liquid has penetrated into the appliance, if it has been exposed to excessive moisture or rain, if it is operating abnormally or if it has been dropped.

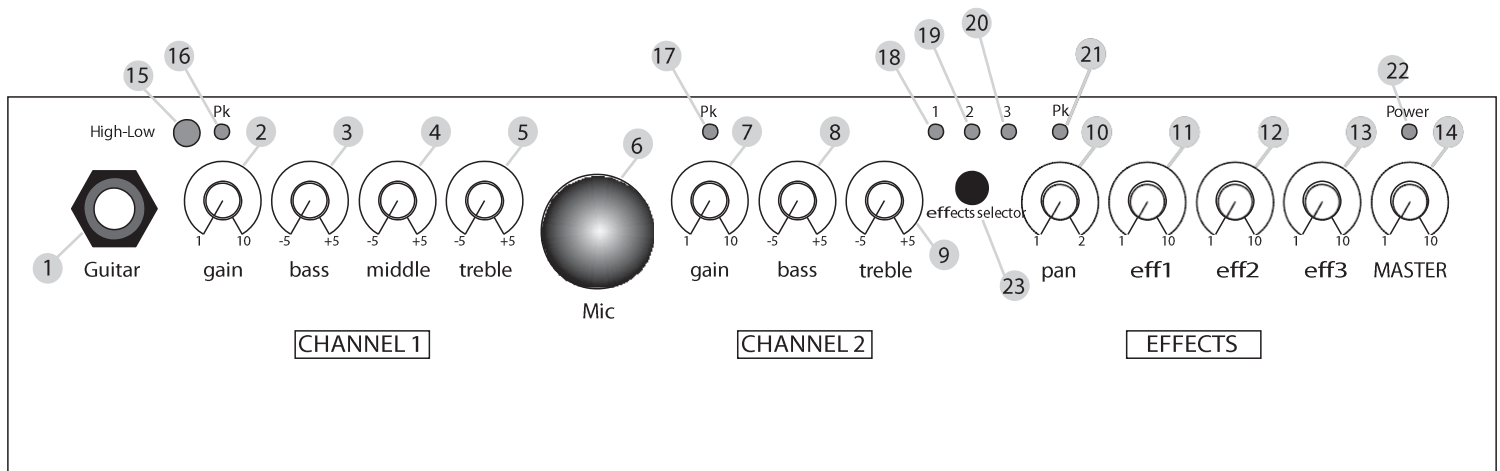
Arrange the power to avoid treading on it and avoid stressing it especially at the plug, socket and where it comes out of the appliance.

Only use the appliance with devices and accessories indicated by the manufacturer.



Only use with the trolley, post, tripod, support or base indicated by the manufacturer or supplied with the product. When using a trolley, pay attention while moving the appliance and trolley together to avoid damage to persons or objects from the possible locking up of a wheel and dislodging of the appliance.

Disconnect the appliance from mains electricity during storms and when not in constant use.

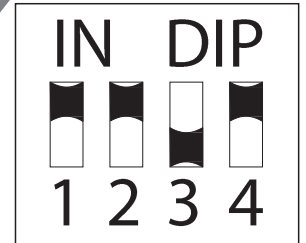
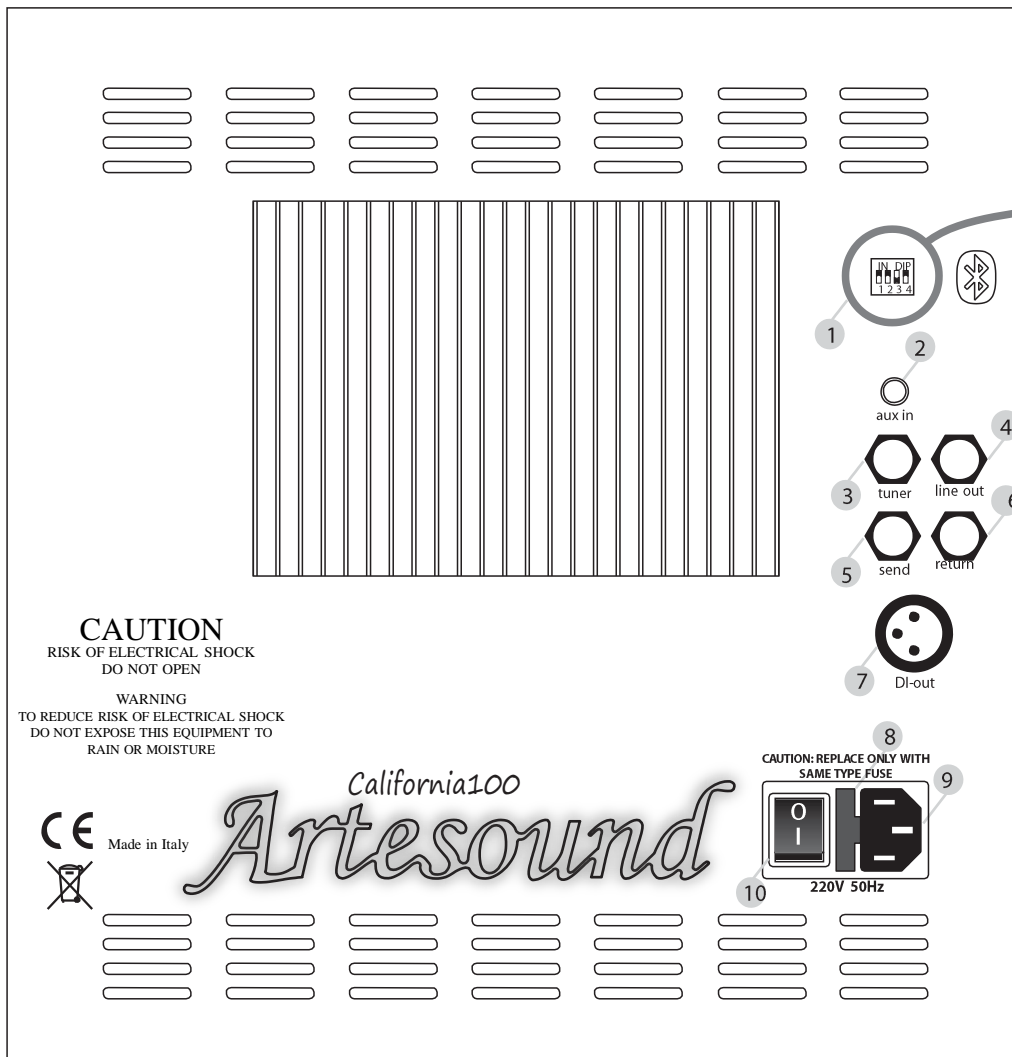
3.1 Controls & connections Upper panel



Description:

- 1) Unbalanced jack input for piezo pickup
- 2) Volume potentiometer (instrument Channel 1)
- 3) Bass potentiometer
- 4) Middle potentiometer
- 5) Treble potentiometer
- 6) XLR balanced combo jack input. Balanced for microphone/guitar
- 7) Volume potentiometer (voice/instrument Channel 2)
- 8) Bass potentiometer
- 9) Treble potentiometer
- 10) Channel 1 and 2 effects mixing
- 11) Reverb potentiometer
- 12) Effect speed potentiometer
- 13) Effect quantity potentiometer
- 14) Master level potentiometer
- 15) Sensitivity gain switch  = high  = low
- 16) Led: peak indicator (Channel 1 overload)
- 17) Led: peak indicator (Channel 2 overload)
- 18) Led: Chorus-Reverb active
- 19) Led: Flange-Reverb active
- 20) Led: Reverb active
- 21) Led: peak indicator (Effects Channel overload)
- 22) Led: on/off power indicator
- 23) Effects selector switch

3.2 Controls & connections Back panel



- 1) Phantom power piezo 9V
(up is ON)
- 2) Phantom power mic 48V
(up is ON)
- 3) Bass boost
(up is OFF)
- 4) Power Bluetooth
(up is ON)

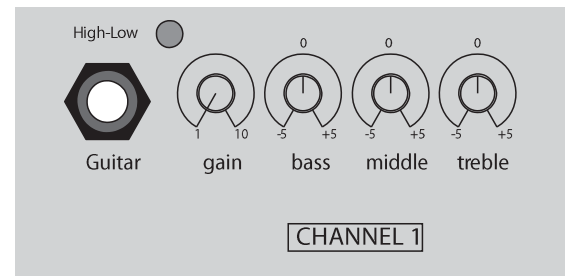
Description:

- 1) DIP switch
- 2) Unbalanced aux input
- 3) Output for tuner
- 4) Unbalanced output with post master volume effects
- 5) Pre-master effects send
- 6) Effects return
- 7) Balanced pre-master, post-tone control output without effects
- 8) Fuse lodging. IMPORTANT: replace only with same fuse type
- 9) Power cord (supplied) socket for connection to mains power supply
- 10) Main switch

4. Channel equalization effects description & control

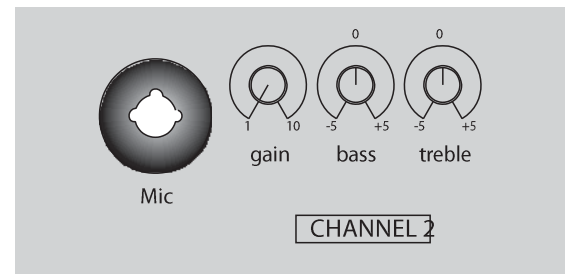
CHANNEL 1

This channel is optimized for piezo pickup.



CHANNEL 2

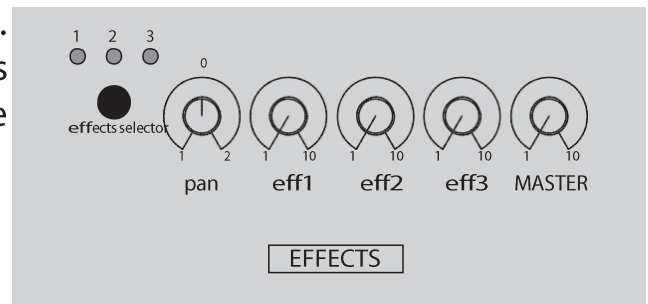
This channel is optimized for a microphone, though it can also be used for piezo and magnetic input.



EFFECTS

This panel is dedicated to the management of effects. The *California100* has 3 different effects that can be selected and controlled according to the following scheme.

PAN: This potentiometer controls the effect percentage between Channels 1 and 2.



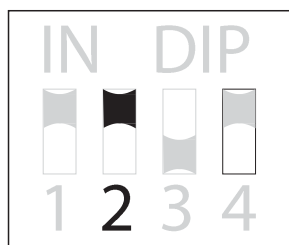
Prog. 1: Chorus-Reverb	Pot1 = Reverb mix	Pot2 = Chorus Rate	Pot 3 = Chorus mix
Prog. 2: Flange-Reverb	Pot1 = Reverb mix	Pot2 = Flange Rate	Pot 3 = Flange mix
Prog. 3: Reverb	Pot1 = Reverb time	Pot2 = Not active	Pot 3 = Not active

California100 Phantom

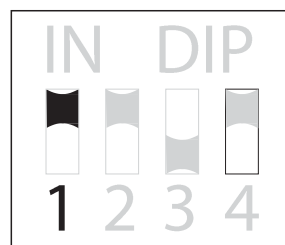
Microphones that require 48V Phantom power can be connected directly to the Channel 2XLR socket. To activate Channel 2 Phantom power, move DIP switch 2 on the back panel to the UP position.

Channel 1 has 9V Phantom power via stereo jack (power on the “ring” terminal). To activate Channel 1 Phantom power, move DIP switch 1 to the UP position.

PHANTOM POWER ON CHANNEL 2 ACTIVE



PHANTOM POWER ON CHANNEL 1 ACTIVE



GENERAL NOTES ABOUT PHANTOM POWER

The use of 48V or 9V Phantom power is reserved exclusively for units designed for this type of power supply. Devices used with Phantom power must be labelled for that specific use and, in particular, draw a maximum current of 10mA for Channel 2 and 100mA for Channel 1.

WARNING

Devices that have NOT been designed explicitly for Phantom-powered operation may suffer severe damage if connected in this way. If in doubt, consult the manufacturer of the device you want to connect.

6. Bluetooth

Artesound is proud to present the *California100* for acoustic guitars entirely designed and built in Italy and equipped with Bluetooth technology.

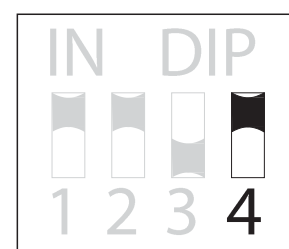
With a simple gesture you can connect any device with Bluetooth technology to your *California100*. This tried and tested technology allows you to easily amplify backing tracks, recordings and, in general, any music stored on your electronic devices (e.g. mobile/cell phone, tablet). So you can play, sing, record and practice, while simultaneously amplifying backing tracks, guitar or voice, or quite simply listen to your music files.

To activate the Bluetooth connection, move DIP switch 4 on the back panel of your amplifier to the UP position, turn on Bluetooth on your device and connect it to the *California100*. Please note that only one device at a time may be connected via Bluetooth.

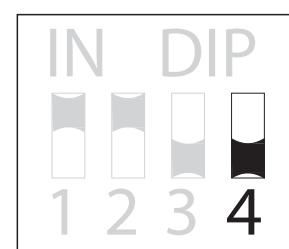
The volume of music files over Bluetooth may only be controlled via the source device.



ON



OFF



7. Specifications

100W AB Mosfet power section

Channel 1 Jack input for piezo and mic: High-Low Switch-Gain, bass, mid, treble

Channel 2 Combo Jack+XRL balanced: Gain, treble, bass

3 on-board effects

Send, Return

DI balanced out

Line out

Tuner out

Bluetooth for aux in

Bass boost

48V Phantom power

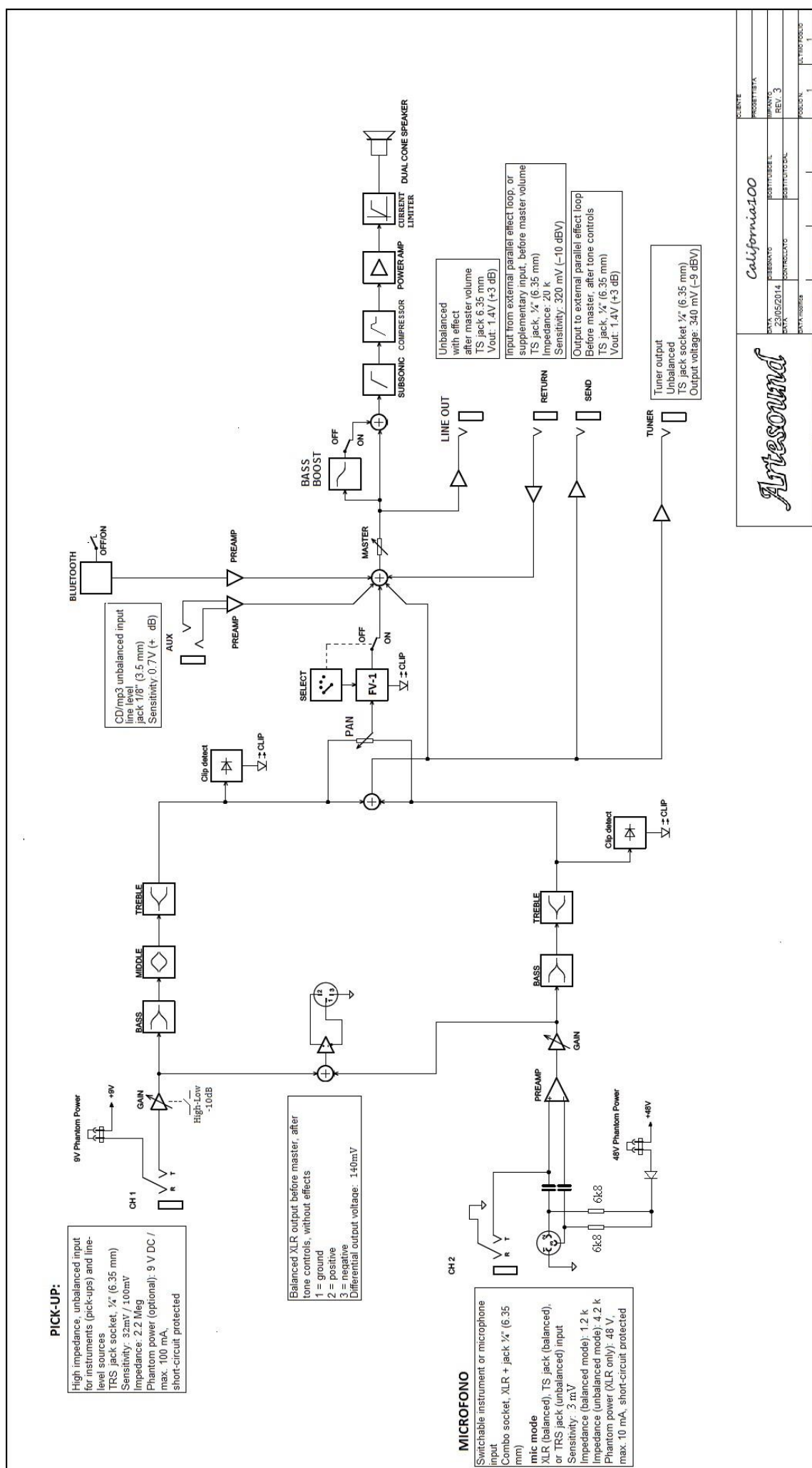
8" high quality dual cone loudspeaker

Maple solid wood cabinet

Weight: 12Kg

Dimensions: 320x340x290

8.Wiring diagram



[illegible]