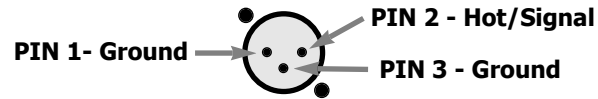


Additional Information

Male XLR Output - The XLR chassis plug provided will mate with any standard microphone cable wired for 'balanced' signals. The signal is high quality equal to that of a balanced line, but is an unbalanced signal. It is identical to that appearing on the JACK output, tip connection.

XLR Output Pin Connections -



The signal appearing in PIN 2 is IN PHASE with the signal appearing on the TIP contact of the JACK output.

Note to our American customers:

The AP10 Acoustic PreAmp is known as the GG10 in Europe. In the interests of conservancy, please transpose all references to GG10 to AP10. The products are otherwise totally identical and is exactly the same as the AP10 formerly available under the **MORLEY** brand except for the male XLR output connector.

Thanks for your assistance in saving materials and costs.

Stewart Ward
AP10/GG10/JD10 Designer.

Distributed in USA By:
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AWARD ~ SESSION

AP10 Acoustic Instrument PreAmp

The British Instrumental Sound

Operating Guide

Unique Features

Mega-Z™ Input Stage - GG10 has an input stage specially designed for PIEZO transducers called Mega-Z™. Piezo transducers need amp's with ultra high input impedances to enable their full range of tones to reach the amplifier. They will not drive long guitar cords either. Regular guitar amps have an input 'Z' (impedance) of 1 meg ohms or less and PA amps 47k ohms, use of which results in harsh middly tones. GG10 matches virtually any pickup to any amplifier system providing a natural tonality.

HornSaver™ - Award have introduced this circuitry to help protect your PA system. Anyone who has been to a concert where acoustic guitar is being played will be familiar with the effects of over zealous strumming and the application of too much treble in a vain attempt to give the instrument timbre. This often results in excessive output in the 10kHz region where there is actually little of musical value going on; except for plenty of picking transients causing edgy distortion. This is produced by the straining PA system HF horns. Hornsaver sharply reduces output above 6kHz whilst maintaining the instruments timbre.

NearMic™ EQ System - At the heart of GG10 is a three band EQ circuit known as a 'bridged tee network'. You know, the Bass, Middle and Treble controls. That circuit is at the heart of most modern electric guitar amps too... clearly because it works well and sounds right! We've used this circuit inside GG10 as well, but modified to enhance acoustic instruments and to give much more MID' control... and importantly, without affecting the tone quality of this classic circuitry which gives guitars the warm tones we have come to expect.

Applications

Passive Piezo Transducers - GG10 is ideal for collectable acoustics fitted with a passive transducer wired directly to an 'end pin' jack.

Acoustics Fitted With Onboard PreAmps - Use GG10 as if your acoustic did not have a preamp fitted. You'll probably find that the NearMic™ EQ System enables a vast spectrum of realistic acoustic tones.

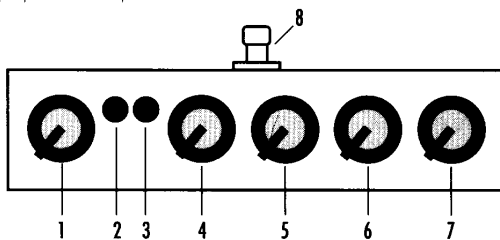
Magnetic Acoustic Pickups - Magnetic Pickups designed for acoustic instruments can be used with GG10 in the same way as a piezo transducer with similar benefits.

Other Acoustic Instruments - Violins, violas, cellos, double basses, banjos, mandolins, etc. fitted with passive piezo transducers can all benefit from the Mega-Z input stage and NearMic EQ System.

Live & Recording Use - Use GG10 to plug your instruments directly into the PA system... then YOU control your tone, not the PA man! Record direct to tape and bypass mic'ing process. Use GG10 to convert an electric guitar amplifier into an acoustic amp! When the footswitch is rewired for BYPASS mode (see modification details later), GG10 beefs up the signal to drive guitar cords and multiway snakes over 100 yards/meters long. So even when not active, GG10 is still improving your tone. Most effects processors have input impedances far too low for piezos, therefore, GG10 is ideal to correct this problem and provide pleasing warm acoustic tones combined with modern digital effects. Use HornSaver™ to reduce unpleasant harsh strumming transients and help protect expensive PA HF horns.

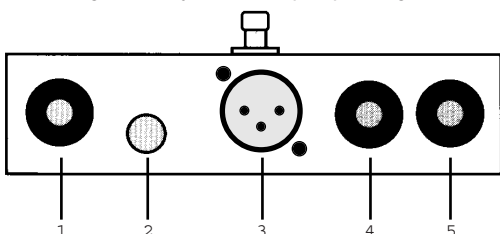
Front Panel Facilities

1. GAIN TRIM - fine, variable control of input sensitivity.
2. HI-LO GAIN - coarse, step sensitivity selector.
3. HORNSAVER™ - to activate HF Horn protection.
4. TREBLE - to boost frequencies above 2kHz.
5. MIDDLE - to boost frequencies centred at 440Hz.
6. BASS - to boost frequencies below 100Hz.
7. OUTPUT LEVEL - to set output volume or match signal to amp.
8. ACTIVE SWITCH - footswitch to MUTE the preamp whilst changing instruments. Can also be modified to act as a BYPASS switch (see appropriate section).



Rear Panel Facilities

1. OUTPUT - Lo-Z to drive long cables without tone/volume loss.
2. POWER CONNECTOR - To connect an AC Adaptor.
3. XLR OUTPUT - to connect to desk/board via a mic cable.
4. TUNER OUTPUT - Full time, buffered signal to drive a tuner
5. INPUT - Mega-Z circuitry to eliminate pickup loading.



In General

Use Of Effects Pedals/Processors - To preserve the benefits of the Mega-Z input stage, overdrive, wah pedals, chorus, echo, reverb or other time delay effects should be connected between the output of GG10 and the input of the amplifier, PA, recorder or Hi Fi. Generally this produces a more pleasing sound. However, you may prefer the results with all effects units between guitar and GG10. Don't be afraid to experiment. Whichever sounds best to you is right! When you have a good sound... you naturally play well too!

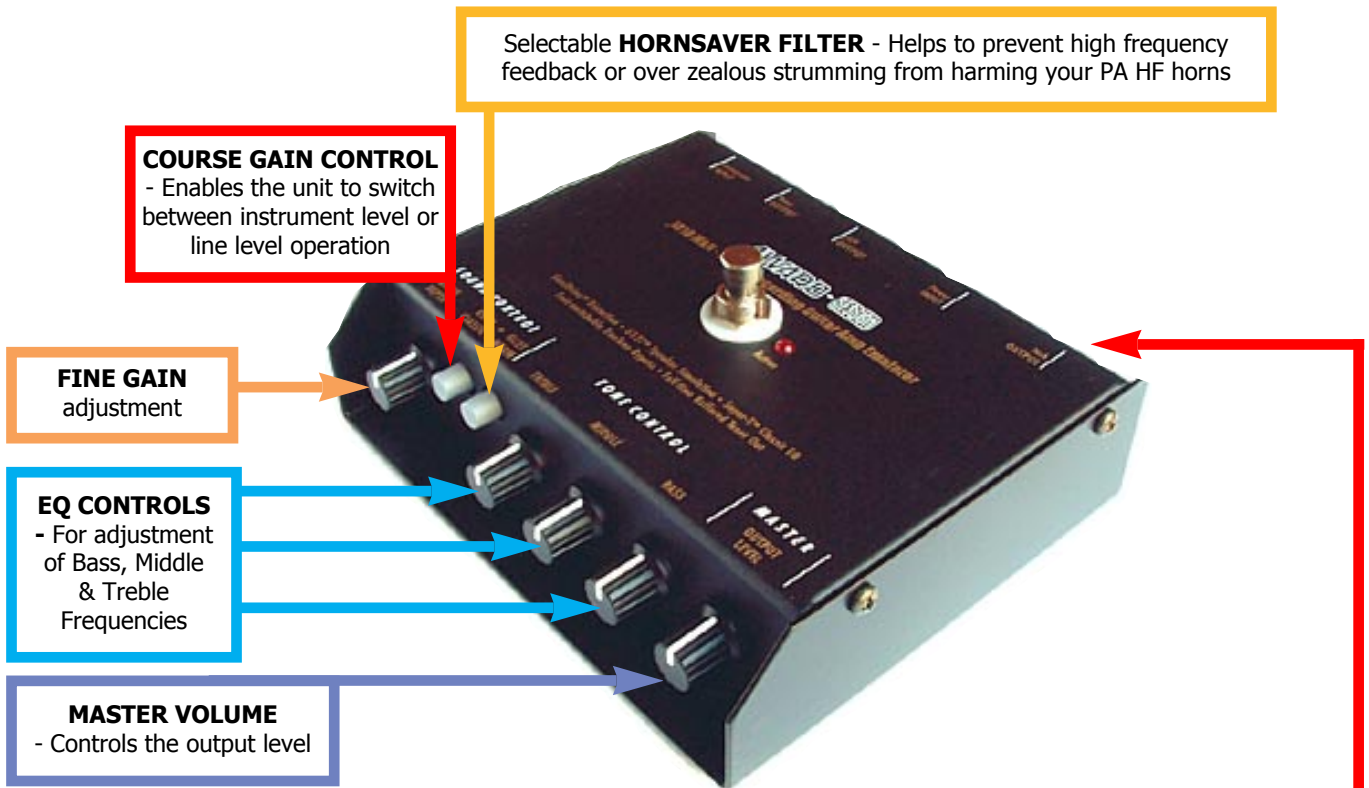
Converting the MUTE footswitch to a BYPASS footswitch - It is possible that some players would prefer to have the footswitch perform a BYPASS function because they use the pedal in conjunction with another GG10 connected in series. With the second GG10 configured for BYPASS, two sound options could be achieved, say for rhythm or solo parts. The first GG10 would still have the MUTE function for instrument changes. To have this conversion made, ask your dealer for information about how this can be done. It is very simple and any good guitar tech could do it in a couple of minutes. The Mega-Z piezo input circuit is still active even in BYPASS, so you won't lose your great tone! Now that's what we call 'ATTENTION TO DETAIL'.

AC Adaptor Operation - AP10 runs on ANY adaptor giving a POSITIVE or NEGATIVE output between 9 and 16 volts DC. AP10 is equipped with circuitry that senses the incoming voltages and AUTOMATICALLY adjusts itself internally. **NO HARM CAN BE DONE BY USE OF INCORRECT AC ADAPTORS**, providing the above guidelines are adhered to.

AP10 will run on a 9 volt Alkaline battery when an AC adaptor is not convenient. Remove the four outside screws holding the base to the top. The battery will be found inside.

Thanks for buying our product, we appreciate it!

Getting the best from your AP10 Acoustic PreAmp



MUTE - A handy footswitch to silence the signal going to the PA system whilst changing instruments or re-tuning.
Can be converted to a **BYPASS** switch, internally.

INSTRUMENT INPUT - Ultra high impedance to suit ANY known type of pickup or transducer

TUNER OUT - A buffered signal to drive guitar tuners, which eliminates possible tone degradation

AP10 runs on virtually ANY AC adapter from 9-16VDC positive or negative polarity.
Our unique AutoSense circuitry ensures no harm will be done. A battery can be used too

AP10 is now fitted with an XLR output too... both jack and XLR can be used simultaneously!