

G LAB
GUITAR LABORATORY

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AMP LOOP ADAPTER ALA-1



- User Manual
- Mode d'emploi
- Instrukcja obsługi
- Bedienungsanleitung

Dear Customer!

Thank you for choosing our product.

G LAB Amp Loop Adapter ALA-1 assures correct functioning of the effects connected to the amp effect loop. Adapter enables to adjust the signal level of the amp effect loop to sensitivity of connected effects. Adapter also resolves the high output impedance problem and the problem of ground loop arising from SEND and RETURN cables. This problems occurs in many of the guitar tube amp models what practically makes impossible to connect the effects placed in pedal board (connected with few meters long cables).

Basic features

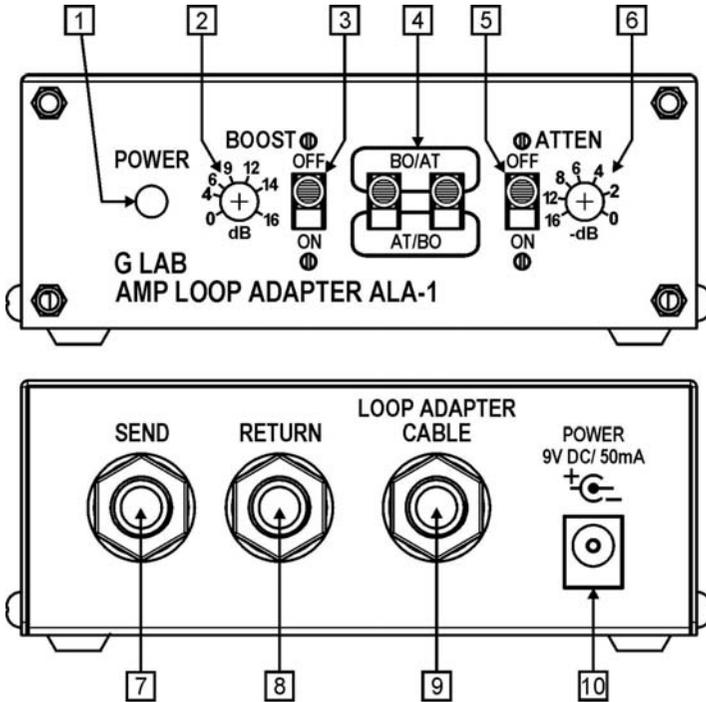
- lossless transmission, with one cable, of SEND and RETURN signals independently from OUT and IN circuits of amp effect loop,
- possibility to adjust signal level by boosting or attenuating the signal sent to the effects,
- attenuation module with regulation up to -16 dB (/6),
- boost module based on A class amp with regulation up to 14 dB (x5),
- possibility to bypass the boost and attenuation modules,
- high level of transmitted signal 18 dBu (17Vpp).

Package contents

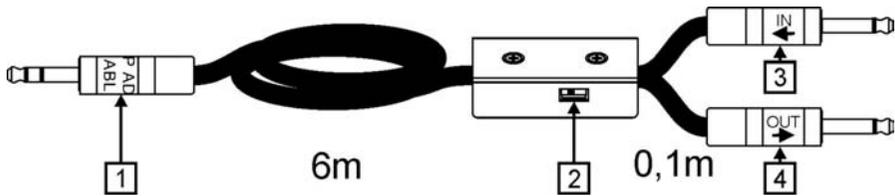
ALA-1 adapter module
Loop Adapter Cable
2 Velcro fasteners
User manual

Structure

Adapter consists of the JACK cable to be connected to the amp effect loop connectors and the adapter box containing SEND and RETURN connectors for the effects.



- 1 - power supply indicator
- 2 - BOOST control
- 3 - BOOST module on/off switch
- 4 - module order switches
- 5 - ATTENUATION module on/off switch
- 6 - ATTENUATION control
- 7 - SEND out connector
- 8 - RETURN in connector
- 9 - LAC cable connector
- 10 - 9V DC power supply connector



- 1 - connector for ALA-1 adapter
- 2 - GROUND LIFT switch
- 3 - OUT connector
- 4 - IN connector

Power supply

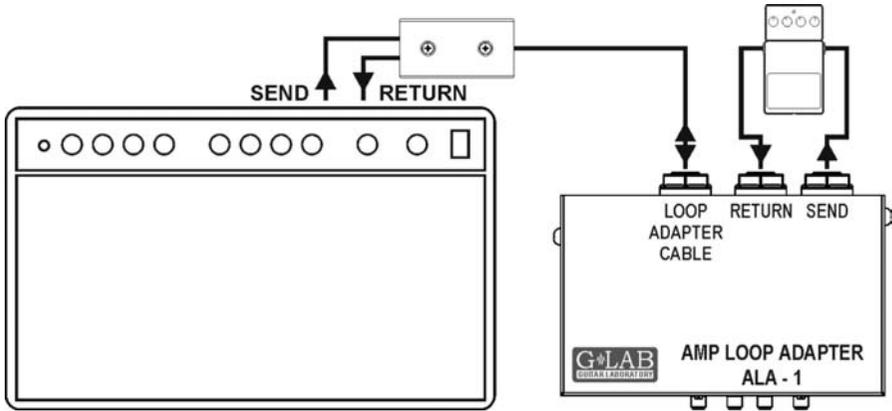
The ALA-1 should be supplied from external regulated 9V DC power supply, with capacity of 50 mA or more. It is recommended to use separated source (e.g. G LAB PB-1) in order to avoid ground loop. Before connecting check if the connector's polarization is CTR – (center negative).



The device is protected against opposite polarity. If this protection switches on it is needed to disconnect the power supply and wait few minutes before reactivation of the device.

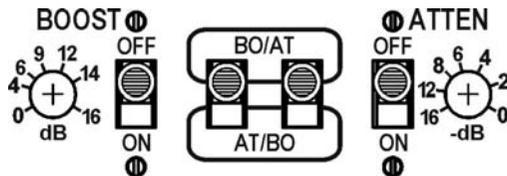
ATTENTION: Damages caused by improper power supply causes loss of the warranty.

Connecting

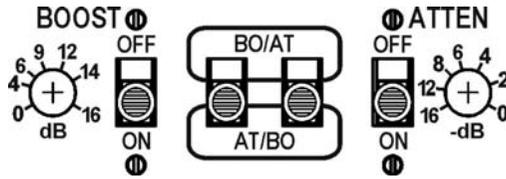


Signal IN connector should be connected to the effect loop SEND output and signal OUT connector should be connected to the amp RETURN input connector. GROUND LIFT switch enables to cut OUT connector ground what eliminates local ground loop (it is recommended to set in to ON position). Adapter cable is 6 meters long what enables to place the device in pedal board. Guitar effects (or the effect) should be connected to the adapter SEND and RETURN connectors.

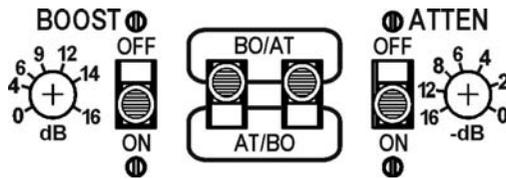
When signal doesn't need level changes the switches should be set like on the picture below (both module order switches can be set to opposite position).



If signal on the amp loop is too high the switches should be set like on the picture below.



If signal on the amp loop is too low the switches should be set like on the picture below.



Attenuation and boost module settings

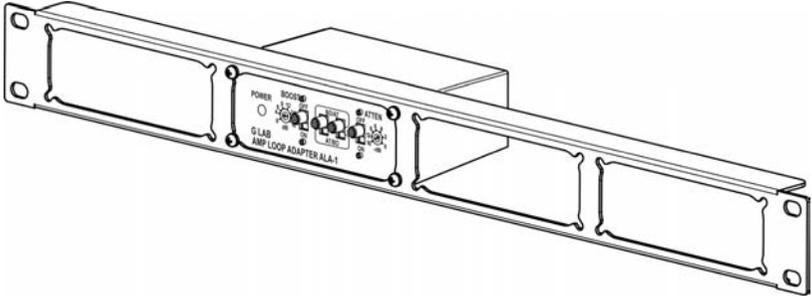
Attenuation and boost controls are placed on the front panel of the ALA-1. They can be set by using small flat screwdriver.

If the effect features gain or peak indicator setting should be started either from the ATTENUATION module (if order switches are set to AT/BO) or from BOOST module (if order switches are set to BO/AT). For maximal utility signal (very often it is a clean tone) the regulator should be set to maximal value on which the peak indicator doesn't light. After, the BOOST control (for order AT/BO) or ATTENUATION control (for order BO/AT) should be set to similar dB value in order to retain the signal level.

If the effect doesn't feature gain or peak indicator both controls should be set to minimum. Further, the signal level passing to the effect should be boosted either with ATTENUATION module control (for order AT/BO) or BOOST module control (for order BO/AT) up to the maximal value on which the signal overdrive doesn't appear. After, the BOOST control (for order AT/BO) or ATTENUATION control (for order BO/AT) should be set to similar dB value in order to retain the signal level.

Mounting

Package contains two Velcro fasteners to fix the device to smooth surfaces. Adapter can be installed in the rack 19" using the GLAB 1U RMS FRONT PANEL.



Technical parameters

Dimensions	width	110 mm
	depth	65 mm
	height	40 mm
Weight		0,63 kg
Input impedance		400 k Ω
Output impedance		200 Ω
Maximal level of transmitted signal *		18 dBu (16 dBV, 18 Vpp)
Bandwidth *		20Hz to 20 kHz @ - 0,35 dB
* - with activated attenuation and boost modules		
Power supply		9V DC 50 mA (8,7 do 9,4V regulated)



DO NOT PLACE THIS PRODUCT INTO THE WASTE CONTAINER !

This device is marked with a cross-lined waste container symbol according to 2002/96/EU Directive on Waste Electric and Electronic Equipment.

Such marking informs that after usage equipment can not be trashed together with other household waste.

An user obligation is to return wasted equipment to a party collecting wasted electric and electronic equipment. Parties collecting such equipment organise a system, including local collection points, shops and other units, allowing to return such equipment. This Directive assures an user free of charge utilisation of such delivered equipment.

This device is made of materials which can be recycled or utilised after becoming out of use. Proper handling of wasted electric and electronic equipment reduce demand for raw materials and contribute in avoiding harmful consequences for environment and health of people caused by dangerous components and not proper storing and utilising of such equipment.



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