

KLD Guitar AMP

GT5H

Tube Guitar Amplifier Manual



Kailing Electronic Co.,Ltd
<http://www.kldguitar.com>



Before printing this manual, assess if it is really needed



Intended to alert the user to the presence of un-insulated “ dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product

CAUTION: Before you “ON” GT-5H, please ensure it has been connected with speaker. If not, it will damage tube and transform.

CAUTION Risk of electrical shock –DO NOT OPEN!

CAUTION To reduce the risk of electric shock, do not remove cover. No User serviceable parts inside. Refer servicing to qualified service personnel.

WARNING To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings

Congratulations on your purchase of the GT-5H. This is smaller amp head made by Kailing electronic Co., Ltd (<http://www.kldguitar.com>). One 12ax7 is preamp design and one 6L6 is power amplifier. The KLDguitar GT-5HA is a single end Class A guitar tube head amplifier. It is 5w. This guitar amplifier makes small-room sessions lots of fun! A higher-gain preamp circuit has been added to take the overdrive tone beyond that of the original. A choice of High or Low gain inputs are included. With a switchable Pentode/Triode, you get the only amp in its class that can deliver the full tonal range from instantaneous punch to deliciously creamy / crunchy overdrive, with precise control via the output volume.

FEATURES

5 watts (rms)

Tubs: One 6L6 and one 12AX7.

External jack for 4 and 8 ohms speaker

Controls: Gain. Volume and Tone

Hi-Lo impedance input

DI output (XLR Out)

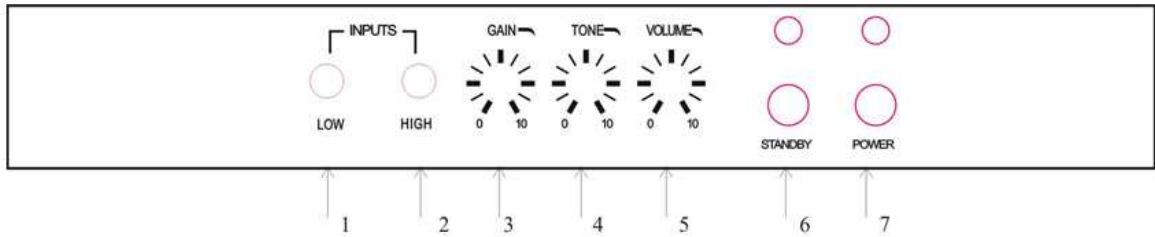
Standby

Single End Class A

Pentode/Triode SW (3/5 W)

Precision made parts used for lowest signal to noise ratio.

5W metal oxide power resistors. 600V polypropylene film/foil and polyester military capacitors



1. LOW INPUT: (1)

The input jack will accept signals from low impedance guitar pickups, Be sure to use a high-quality shielded cable to connect the guitar to the amplifier.

2. High INPUT: (2)

The input jack will accept signals from high impedance guitar pickups, Be sure to use a high-quality shielded cable to connect the guitar to the amplifier.

3. Gain (3)

Preamp Gain levels control

4. Tones: (4)

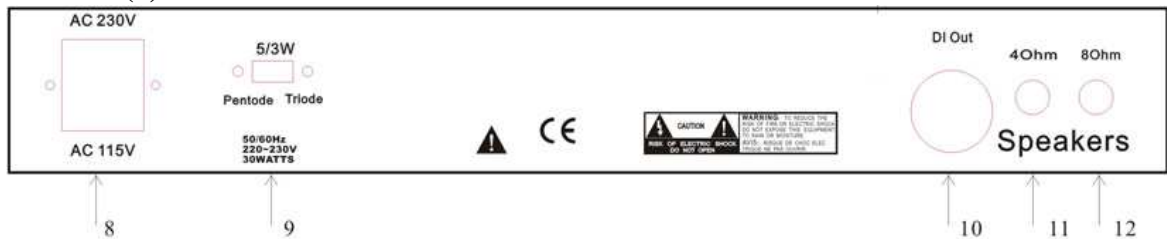
Tones level control

5. VOLUME: (5)

Volume controls. The final level adjustment should be made after the desired sound has been achieved

6. STANBY: (6)

7.POWER: (7)



8. POWER SOCKET (8)

9.PENTODE /TRIODE SW (9)

5w/2.5w power switch

10. XLR DI: (10).

XLR DI out for recording.

11. OUTPUT: (11)

Provide for connection of external 4ohms speaker cabinet.

12. OUTPUT: (12)

Provide for connection of external 8ohms speaker cabinet.

SPECIFICATIONS

POWER AMPLIFIER SECTION

6L6's with 12AX7 driver

Rated Power &Load

5w RMS into 8, 4 ohms

Power @ Clipping(Typically)

(5%THD,1KHZ,120vAC line) 5W RMS into 8 ,4ohms(Bias must be reduced to measure)

Frequency Response:

+0,-2db,50HZ to 15KHZ,@, 20w RMS into 16 ohms

Hum &Noise:

Greater than 80 db below rated power

Power consumption:

50watts 50/60HZ.120Vac(domestic)

PREAMP SECTION

12AX7's

The following specs are measured @1KHz with the controls present as follows:
Pre

Nominal Level is with Input Gain

MINI level is with Input Gain

Preamp Normal Input

Impedance: Very high Z, 470Kohm

Effect send

-Load Impedance: 1Kohm or Greater; Nominal Output Level: -6dBV, 0.5V RMS

Effect Return

Impedance: High Z, 2M ohms

Designed input Level:

-6dBV,0.5VRMS (Switching jack provides Effect Send to Effects Return connection when not used)

IMPORTANT SAFETY INSTRUCTIONS

WARNING : When using electric products, basic cautions should always be followed.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This production should not be used near water, i.e.. a bathroom , sink, swimming pool, wet basement, etc.
6. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
7. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord
10. Power supply cords should always be handle carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this products is to be cleaned with damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
13. If the product is to be mounted in equipment rack, rear support should be provided.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
 - A: The power supply cord or plug has been damaged
 - B: Anything has fallen or been spilled into the unit.
 - C: The unit does not operate correctly
 - D: The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work

should be done by a qualified service technician.

17. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss. But nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

SAVE THESE INSTRUCTIONS

Other Tips

1. What time tube must be removed.

- (1) clear micro sound effect
- (2) "kalakala" noise in background of Guitar
- (3) Out power reduced
- (4) Bass become confuse
- (5) Treble damaged

2. How to removed Tube.

Please look for expert to change tube. If you want change it self, please do as below. Turn off the AMP, and take off electric power plug, wait for the tube cold.