

KLD Guitar AMP

JCM25 Tube Guitar

Amplifier Manual

KLD JCM25 25w hand wired amp
based on Marshall JCM 800 2204



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



Before printing this manual, assess if it is really needed

Congratulations on your purchase of the assembled kits based on Marshall JCM 800 2204. Assembled kits include almost all parts of the amp except enclosure. Customers can use it directly only plug in tubes and power cable.

The volume and weight of assembled amp kits are smaller than whole amp largely. So, it can be delivered by express delivery services fast and safe. This not only reduces the cost of delivery, but also shortens supply time.



CAUTION:

1. Open the carton, please check the amp kits carefully, especially the toggle switch of standby. If you found damage, please take photos, feedback to us and send complaints to express delivery company at first time.
2. Before you "ON" amp kits, please ensure no short circuit in the amp main power. (There is resistance between Line and Neutral of IEC).
3. Before you "ON" amp kits, please ensure it has been connected with speaker. If not, it will damage tube and transform.
4. Risk of electrical shock –DO NOT OPEN!
5. To reduce the risk of electric shock, do not remove cover. No User serviceable parts inside. Refer servicing to qualified service personnel.
6. Please watch more detail about how to use tube guitar amp safely in the Tech of our website.

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.

FEATURES

- Power :25 w(rms) 4,8 ohm.
- 3 x 12ax7, 2 x 6L6 (Not included).
- Working voltage: 230V or 110V(Assembly voltage according to your delivery country).
- Two inputs : Lead , Normal.
- Controls: Gain, Master ,Bass, Middle , Treble ,Presence.
- Bias adjustable, it allows you enough adjustment range to bias 6V6, 6L6, EL34, ,and KT77 power tubes.
- Standby
- Brass Eyelet hand wired board(2 mm thicken high quality FR4 board) soldered with high quality components.
- Output: 4 ohm, 8ohm, 16ohm.DI for recording.
- Precise parts used for lowest noise 5W metal oxide power resistors, 600V polypropylene film/foil and polyester military capacitors.
- DIMENSION:38 (L)x19.8(W)x16(H)CM (Unpacked) .
52(L)X32(W)X34(H) CM (Packed).
- WEIGHT: 6kg(Unpacked). 9kg (Packed).



1. LEAD INPUT (1) The Input jack of lead channel
2. NORMAL INPUT:(2): The Input jack of normal channel
3. GAIN:(3) Preamp gain control
4. BASS:(4) (EQ):
5. MIDDLE:(5) (EQ):
6. TREBLE:(6) (EQ) Passive tone controls that regulate high, mid, and low frequencies respectively.
7. MASTER: (7) Control amp volume.
8. PRESENCE: (8)
9. STANBY Switch:(9) When you on the amp, open power switch first, after 30-60s, open standby switch. When you off the amp, close standby switch first, then close power switch. LED of standby becomes green color means work.



- 10.IEC of POWER: (10) 230/110V according to customer demand.
11. POWER ON/OFF:(11)
12. PENTODE/TRIODE SW (12) 25w/12.5w power selection.
13. DI(OUT): (13) connection of external Digital out
14. OUTPUT1:(14) connection of external 4 ohms speaker

15. OUTPUT2:(15) connection of external 8 ohms speaker

16. OUTPUT3:(16) connection of external 16 ohms speaker

POWER AMPLIFIER SECTION

6L6's with 12AX7 driver

Rated Power & Load 25w RMS into 8, 4 ohms

Power @Clipping (Typically) (5%THD, 1 KHZ, 120v AC line)

25W RMS into 8, 4 ohms (Bias must be reduced to measure)

Frequency Response: +0,-2db, 50HZ to 15KHZ,@, 25w

RMS into 16 ohms

Hum & Noise:

Greater than 80 dB below rated power

Power consumption:

150watts 50/60HZ. 120 VAC(domestic)

PREAMP SECTION

3-12AX7's

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

Pre & Post (lead) @0

Bass & Treble EQ @12

Middle EQ @0

Nominal Level is with Input Gain @6

MINI level is with Input Gain @ 12

Preamp Normal Input Impedance: Very high Z, 470Kohm

Lead Channel (Post Gain @ 12)

Nominal Input level -40dBV, 10mV RMS

MINI Input Level: -70 dBV, 0.3mV RMS

Normal Channel:

Nominal Input Level: -17 dBV , 140mV RMS

MINI Input Level: -28dBV, 40mVRMS

Max Input Level: 0dBV 1.0VRMS

Equalization: Customer bass, middle & treble passive-type

EQ Designed input Level: -6dBV ,0.5VRMS

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 handled 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 the product is to be mounted in equipment rack, rear support should be provided.
12. 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.
13. 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.
14. 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 Other Tips

1. What time tube must be removed. 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:

(1) Turn off the AMP, and take off electric power plug, wait for the tube cold.

(2) Please change 6L6 in pair. Don't use new and old together.