

# KLD Guitar Power Attenuator AT100 Manual



**Kailing Electronic co.Ltd**

<http://www.kldguitar.com>



Before printing this manual, assess if it is really needed

**Congratulations:** on purchasing the Kldguitar AT 100. The AT-100 is KLD

Guitar's high wattage attenuator a dream device that provides full control of the output level from your amplifier to your speakers without squashing any of the dynamic feel and tone you've worked so hard to perfect. This totally roadworthy box connects between your amplifier and either one or two cabinets.

Designed for use strictly with vacuum tube guitar amplifiers, each version of the AT-100 is optimized for specific impedance. These inductive loads are frequency-compensated, which means you get the best possible sound for that impedance speaker and amplifier combination. Plus the AT-100 is no simple power attenuator. It offers many capabilities that make it a great addition to any tone-hungry player's arsenal.

The AT -100 is also offering a compensate switch for tailoring your sound. The Bright switch gives you 2 different high-frequency levels so you can compensate for an overly bright or dull speaker cabinet.

Adjustable Line Out

AT -100 also feature a Line Out, which is adjustable by its own volume control, giving it a wide range of applications. At higher settings, it can provide enough signals to drive the input of a separate power amp for slaving. The middle range of settings is useful for most rack mount effects. And turned most of the way down, the AT-100's Line Out will drive the instrument input of another guitar amplifier for extra power and volume.

There are three kinds of input impedance of attenuator: 4, 8, 16ohm. please select right attenuator according to your output impedance of amp and input impedance of cabinet.

CONTROLS:

- Master Output Control attenuates the output level of a fully cranked 100-Watt amplifier all the way down to total silence (used with Input Attenuation Switch set at -12dB)

- Input Attenuation Switch 3-position (0.0dB, -6dB, -12dB) attenuation for speaker input

- Compensate Switch 3-position (Off, Bright 1, Bright 2) "brightness" circuit to compensate for an overly bright or dull speaker cabinet

- Speaker On-Off Switch for headphone-only use or quiet recording using Line Out jack

- JACK (1/4" phone):

- Line Out

- Input (max. 150 Watts)

- Output

- Head Phones (requires -12dB attenuation)

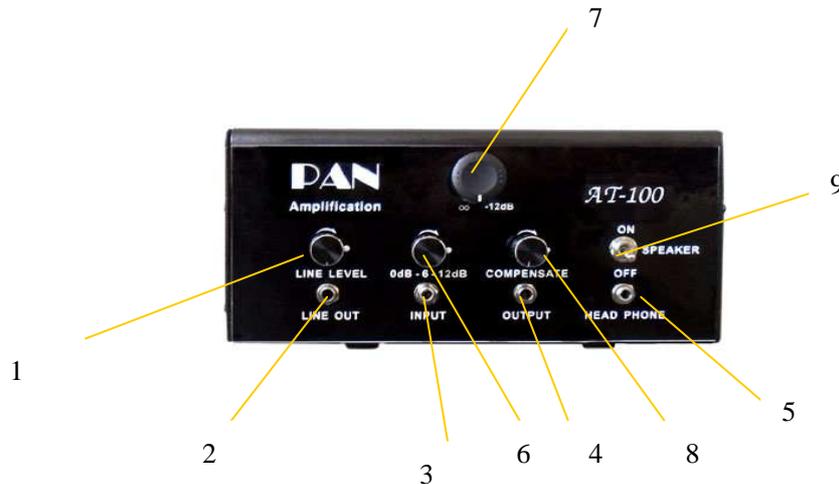
Input impedances: 4 ohm,8 ohm and 16 ohm

Power Handling: Up to 150 Watts

DIMENSIONS:30cm x 20cm x 20cm (11.8" x 7.8" x 7.8")

WEIGHT: 3.5kg (7.72 lbs)

(NOTE: Cords from amp and to speakers must be heavy-duty speaker cable with 1/4" phone-type speaker connectors.)



### 1. LINE LEVEL

Line level adjuster: -20dB-Min.

### 2. LINE OUT

6.35 Line out jack, connected with recording gear. There is dummy load let customer record in silence.

### 3. INPUT

6.35 jack; Connect a speaker cable from this jack to your amp's speaker out jack. The impedances of two jacks are same.

### 4. OUTPUT

6.35 jack, Connect a speaker cable from this jack to your speaker cabinet. It is optimal to match your amp speaker out to the external speaker rating. ( ex : 8 ohm speaker out jack on amp with 8 ohm speaker cab.)

**IMPORTANT: WHEN USING JUST ONE OF THE SPEAKER OUTPUTS FROM THE AT100. THE SPEAKER CABINET SHOULD MATCHED SAME IMPEDANCE AS THE AT 100.**

### 5. HEADPHONE

6.35 Headphone jack with dummy load.

### 6. 0dB—6dB—12dB ATTENUATION

0 dB—True Bypass .

-6—6dB attenuation.

-12—12dB attenuation.

### 7. ∞- 12 dB ATTENUATION

This is a rotary switch that selects the amount of attenuation .Output signal can be attenuated from -12dB to silence continuously. The knob work after No.6 knob turned on -12 dB.

### 8. BRIGHT COMPENSATE

This is a rotary switch that compensates brightness of sound. There are three steps, please use it with EQ in amp together.

## **9. SPEAKER OUT**

**OFF- Extern Speaker OFF.** Dummy load connected, you can record music by LINE OUT, or practice guitar by headphone in silence. At this setting, you can play guitar amp without connecting with speaker.

**ON-Extern speaker ON**

You can use extern speaker still.