

User Manual

AUDOTA

AVE-100
VOCAL MULTI EFFECTS

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Important Notes

*** carefully review all instructions prior to first use*** To prevent accidents caused by improper use, strictly adhere to the following safety precautions. These guidelines include, but are not limited to, the situations listed below. Please read carefully before operation:

Power Adapter

- Use only the manufacturer-specified power adapter that complies with relevant safety standards (UL, CSA, VDE, CCC) and local regulations.
- Do not charge in humid environments.
- Regularly inspect the power adapter plug and cable for damage. Keep plugs clean to prevent poor contact.
- Unplug the adapter during extended non-use or thunderstorms.

Battery Safety

- Never power on or charge when wet - risk of shock, malfunction or fire.
- Use only the designated charger to prevent leakage, overheating, or explosion.
- Charge only within specified temperature ranges.
- Avoid charging near flammable materials. Keep power outlet accessible for emergency disconnection.
- Immediately stop charging if you detect unusual odors or sounds, then contact support.

- Never disassemble or modify batteries - risk of chemical burns or explosion. Contact authorized service only.
- If battery leaks, avoid contact with skin/eyes. Seek medical attention if exposed.
- To prevent fire/explosion: Never crush, incinerate, or immerse batteries. Discontinue use if swollen.
- Avoid high-temperature environments or usage after water exposure.

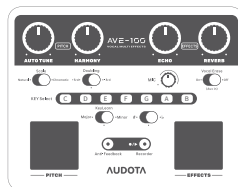
Cleaning

- Do not use abrasive cleaners, alcohol, paint thinner, wax, solvents, or harsh chemicals that may damage finishes.

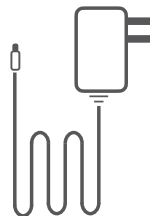
Placement

- Avoid prolonged direct sunlight.
- Keep away from heat sources.
- Avoid prolonged exposure to excessively humid or dry environments.

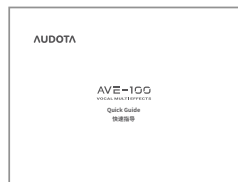
Packing List



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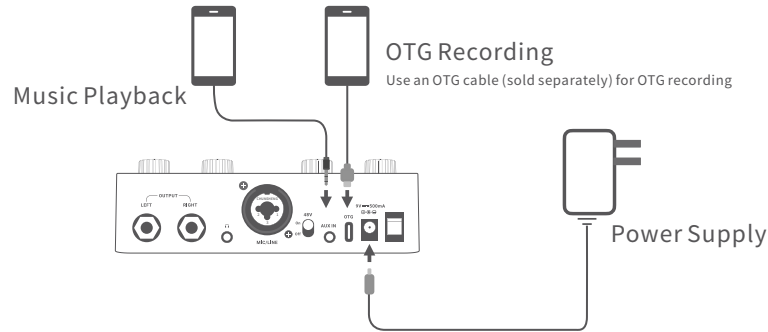
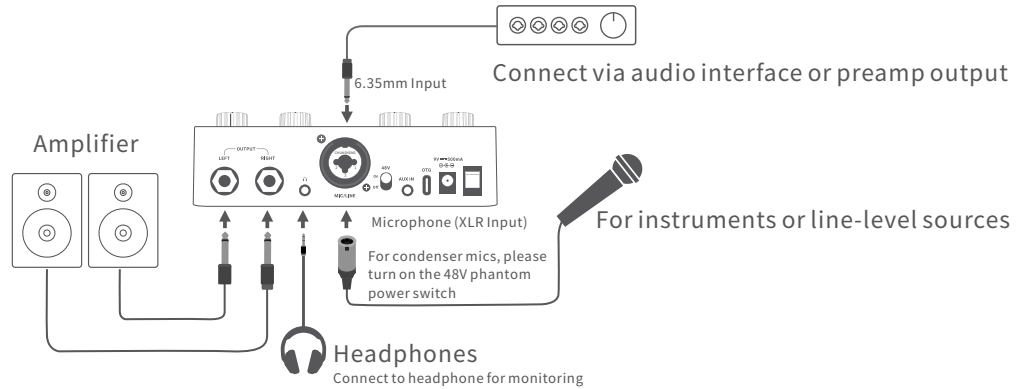


Power Adapter* 1



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Device Connections



Quick Start

1. Adjust Mic Gain



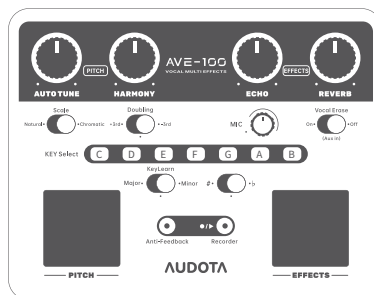
Rotate the gain knob to set the microphone input to a proper volume.

- Mic Gain only affects XLR input
- Red light while Clipping; aim to stay in green-yellow range
- 6.35mm input signal bypasses microphone preamp, please adjust volume from the source device for overall volume adjustment.

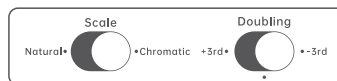
2. Adjust Effects



Use the FX knobs to set the intensity of each effect.



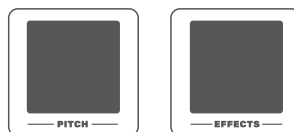
3. Select Effect Mode



Toggle the Scale switch to choose pitch correction mode
 Toggle the Doubling to set vocal harmony interval

- Natural Mode: Pitch correction based on selected key
- Chromatic Mode: Pitch correction not dependent on key
- Harmony Modes: +3rd, Unison, +6th

4. Toggle Effects On/Off



Hit or press the pads to turn pitch/spatial effects on or off

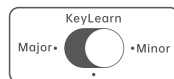
- PITCH Pad: Controls pitch correction and harmony
- EFFECTS Pad: Controls delay and reverb

5. Select Key/Scale

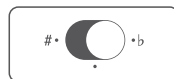
Key selection module includes three parts



1. Press key buttons to select tonic note



2. Toggle the switch to choose Major/Minor mode or turn on the Keylearn function.



3. Toggle the switch to add sharps/flats.

- Key selection affects both Natural pitch correction and Harmony modules

Instructions

KeyLearn – Automatic Key Detection

Detects song key from backing track audio, quickly solve the issue of checking the key of song.

Steps

1. Input audio signal via AUX IN or mic
2. Set key switch to "KeyLearn" (key buttons will flash)
3. Play audio and press any key button to begin analysis
4. Button lights show progress (stop flashing when done)
5. The final lit key shows the detected key

LED Indicator

■ Key Indicating

- Orange = Major
- Blue = Minor

■ Sharp/Flat Indicating

Two adjacent buttons lit = Sharp/Flat (e.g., C/D blue = C # /D ♭ Minor)

VocalErase – Vocal Removal Feature

Removes vocals from music for simple accompaniment playback.

Steps

1. Connect music player to AUX IN using 3.5mm TRS cable
2. Toggle VocalErase to "On"

Note

This may affect overall audio quality.

Anti-Feedback – Intelligent Feedback Suppression

Three-level feedback suppression system. If feedback or howling occurs during use, press the Anti-Feedback button to activate suppression. The button LED will turn on when the function is active. Three levels suppression strength are indicated by different button light colors. Press the button repeatedly to cycle through the levels.

Recorder – Loop recording function

Press the recorder button to quickly record the backing tracks or backing vocal (you can even utilize it to play a cappella, or beatboxing)

Steps

1. Press Recorder to start (red light for recording).
2. Press again to stop recording and begin playing back the recorded track.
3. Press again to overdub (unlimited layers).
4. Press twice quickly to stop playback (blue flash).
5. Long press to clear recorded tracks.

Note

Recording cannot be saved after power-off. For recorded track storing, please use OTG cable and transfer the file to a smartphone.

Effect Pad Mode Switching

By default, effect pads is set to toggle on/off mode.

To switch to momentary mode (hold to activate), hold the pad while powering on. The momentary mode can work for natural fade-in/out effects.

Troubleshooting

No Sound

- Check power connection and switch is on
- For condenser mics, make sure 48V phantom power is on
- Adjust mic gain – LED around Mic knob should light up when signal is present

No Effects

- Check that the relevant effect pad is lit
- Ensure effect knob is turned up

Pitch Correction Not Effective

- Natural mode offers broader pitch correction than Chromatic
- Rotate Auto-Tune knob and turn up for stronger correction

Incorrect Pitch or Harmony Result

- Check if the selected key is correct

Inaccurate KeyLearn Result

- Check if the selected key is correct

Technical Specifications

Combo Input:	XLR input jack (2.14 k Ω impedance value)
Combo Input:	6.35mm input jack (1 M Ω impedance value)
Output:	2 x 6.35mm mono output jacks (100 Ω impedance value)
Headphone Out:	1 x 3.5mm stereo jack (32 Ω impedance value)
Power Requirement:	DC 9V \geq 500mA, center-negative (Use original power adapter to avoid noise or interference)
Dimensions:	142mm (L) \times 113mm (W) \times 51mm (H)
Weight:	320g

