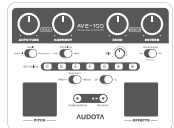


AVE-100
VOCAL MULTI EFFECTS

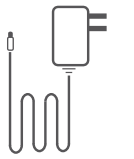
User Manua
中文说明书

EN User Manua

Packing List



AVE-100 * 1

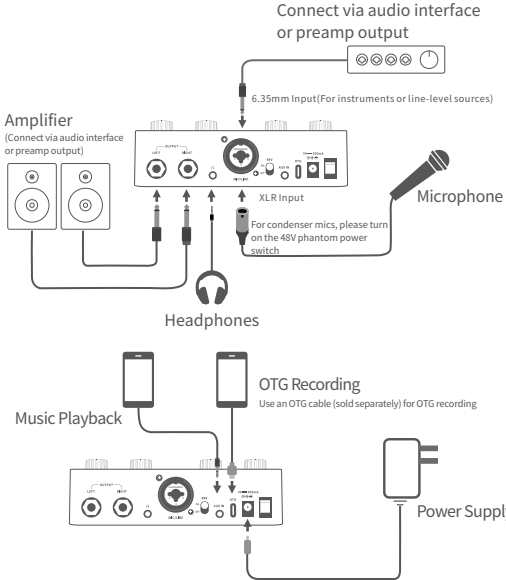


Power Adapter * 1



User Manua * 1

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 when 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.

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

2. Adjust Effects



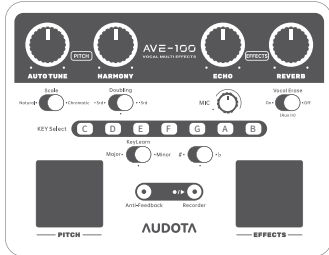
Use the FX knobs to set the intensity of each effect.

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)

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.

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.

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 ga in – 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

- Use AUX IN for more stable detection
- Ensure smooth playback during analysis
- Use instrumental backing tracks instead of vocal humming

Technical Specifications

Combo Input: XLR input jack (2.14 kΩ impedance value)

Combo Input: 6.35mm input jack (1 MΩ 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 ≥ 500mA, center-negative

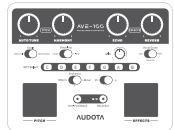
(Use original power adapter to avoid noise or interference)

Dimensions: 142mm (L) × 113mm (W) × 51mm (H)

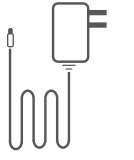
Weight: 320g

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物品清单



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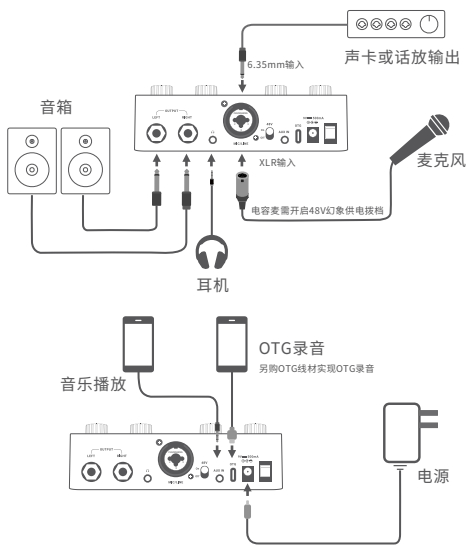


电源 * 1



说明书 * 1

设备连接



快速开始

1.调节话筒增益



通过此旋钮将麦克风增益调至合适音量。

- 麦克风增益仅对卡农输入有效。
- 此旋钮红灯表示信号过大失真,应保持绿色至黄色之间。
- 复合输入6.35mm接口的信号不经过该级,此输入级负责调节前一级设备的输出信号来控制整体音量。

3.选择效果模式



Scale拨档选择音高修正的模式; Harmony下方拨档选择和声音程。

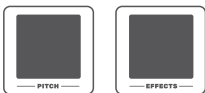
- Natural自然音阶修正模式根据所选调性来修正音阶。
- Chromatic半音阶修正模式则与调性选择无关;
- 和声模式:+3rd、+3rd和-3rd。

2.调节效果强度



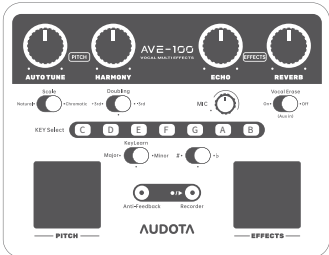
调节效果旋钮设置各项效果强度。

4.开关效果



通过触发垫开启或关闭音高类或空间类效果。

- PITCH触发垫控制音高修正及和声效果;
- EFFECTS触发垫控制延迟和混响效果。



5.选择歌曲调性



1.通过调性按键选择首调音名;



2.此拨档选择大/小调或是开启KeyLearn自动调性学习;



3.此拨档选择原调或加升降号;

- 调性选择将会影响Natural自然音阶的音高修正以及Harmony和声模块的结果。

功能操作

KeyLearn调性识别功能

本产品的KeyLearn功能支持学习伴奏音频的调性,解决查询歌曲调性难的问题。

使用步骤:

- 1.音频输入:通过AUX IN或麦克风接入歌曲信号,
- 2.模式切换:将调性选择拨档拨至"KeyLearn"位 (所有调性键进入闪烁准备状态),
- 3.启动学习:播放音频时按下任意调性键开始分析,
- 4.进度显示:按键灯光实时显示检测进度 (完成时灯光停止闪烁),
- 5.结果读取:最终亮起的调性键即为检测结果。

指示灯释义

■ 调性识别:

橙色灯 → 大调 (Major)

蓝色灯 → 小调 (Minor)

■ 升降调标识:

相邻两键同亮 → 升调/降调 (例:C/D蓝灯同亮→升C/降D小调)

Anti-Feedback智能抗啸叫

本产品有三档智能抗啸叫功能。使用中遇回授、啸叫问题,按 Anti-Feedback 按键开启抑制,开启时按键灯亮。抑制强度分三档,通过按键灯颜色区分,连续按按键可循环切换强度。

Recorder乐句循环录音功能

通过快速录音按键可以快速录制你的伴奏和演唱 (你甚至可以用它来玩BBOX和阿卡贝拉)。

使用步骤:

1. **开始录制:**按下Recorder按键,按键灯显示红色开始录制;
2. **开始播放:**在录制状态再次按下Recorder按键,结束录制,开始播放,此时先前录制的内容会循环播放。
3. **叠录:**在播放状态再次按下Recorder按键可以在原先的基础上叠录内容 (叠录的层数无限制)
4. **停止:**连续按下两次Recorder按键停止 (蓝色闪烁)
5. **清除:**长按Recorder按键清除录制的内容。

注意事项:此功能不支持掉电保存,如需要可通过OTG连接线转录至手机。

VocalErase人声消音功能

VocalErase人声消音功能允许用户通过Aux in接口输入音乐,简单去除人声,以便获得简易伴奏。

使用步骤:

1. **连接伴奏:**使用双3.5mm TRS线将音频播放器连接到产品的Aux in接口。
2. **启动消音:**将VocalErase开关拨至"On"位置,即可激活人声消音功能。

注意事项:

使用此功能可能会对伴奏质量造成一定影响。

效果触发垫模式切换

本产品效果触发垫默认开/关 (自锁) 模式。开启电源时,按下相应触发垫通电,可切换至瞬时模式,实现自然的淡入淡出激活效果。