

User Manual

AUDOTA

ACE-100

INTELLIGENT COMBINED EFFECTS PEDAL

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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.

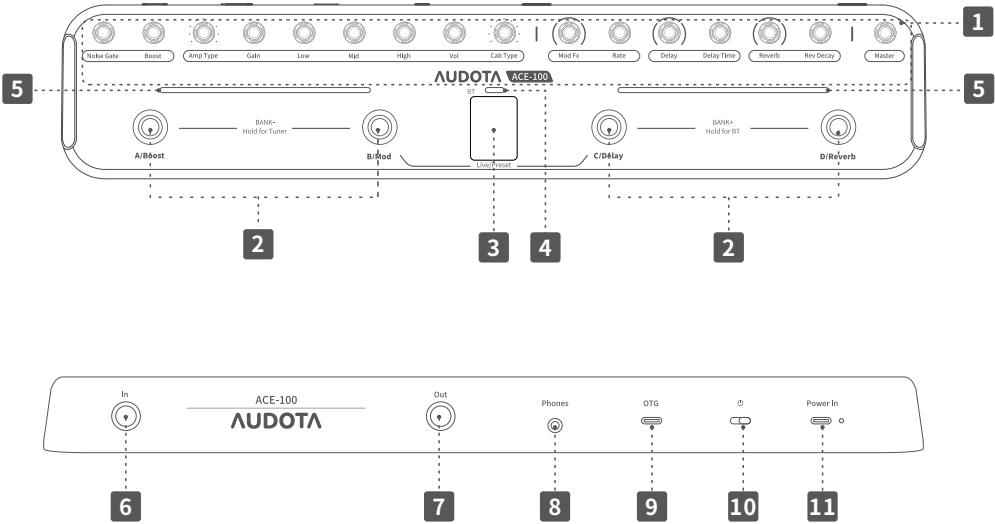
Placement

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

Features

- Equipped with Noise Gate, Boost, 8 Amp Models, 8 Cab IR Models, 3 Modulation Effects, 3 Delay Effects, and 3 Reverb Effects.
- Supports customizable color and footswitch indicator lighting via app.
- Compatible with official and third-party IR samples, with 16 loadable slots.
- Supports Live/Preset operation modes.
- Includes 40 preset slots for saving configurations.
- Built-in tuner function.
- Supports stereo output for effects.
- Headphones output.
- Bluetooth audio playback.
- Enables OTG (On-The-Go) recording.
- Powered by a built-in lithium battery.
- Compatible with Audota Studio APP (mobile) and desktop software.

Overview



INTELLIGENT
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EFFECTS PEDAL

- 1 Module Knobs**
Turn to toggle modules on/off, select effect types, and adjust parameters.
- 2 Footswitches (A/B/C/D)**
PRESET Mode: Cycle through presets.
LIVE Mode: Toggle effects modules or save presets. Press B+C simultaneously to switch between LIVE/PRESET modes.
- 3 Display Screen**
LED screen shows preset groups and operational mode.
- 4 Bluetooth Status LED**
Blinking: Pairing mode (awaiting connection).
Solid: Connected.
- 5 Footswitch LED Bars**
Visual function indicators; customize colors via the app.
- 6 Input**
1/4" Mono Jack: Connect your instrument here.
- 7 Output**
1/4" TRS Stereo Jack: Connect to amps, audio interfaces, or other pedal.
- 8 Phones**
1/8" Stereo Jack: For silent practice or monitoring.

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OTG

Enables direct digital recording via OTG-compatible devices.

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Power Switch

Left: ON | Right: OFF

11

Charging Port & LED Indicator

Use a USB-C cable with a 5V/2A power adapter to charge the unit.

Status LED (right side):

Solid Red: Charging in progress.

Solid Green: Fully charged.

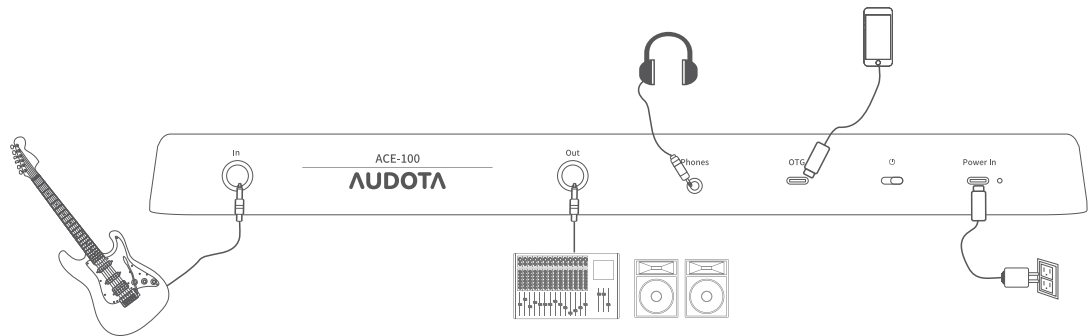
Off: Not connected to power.

Connections

1. Standard Connection

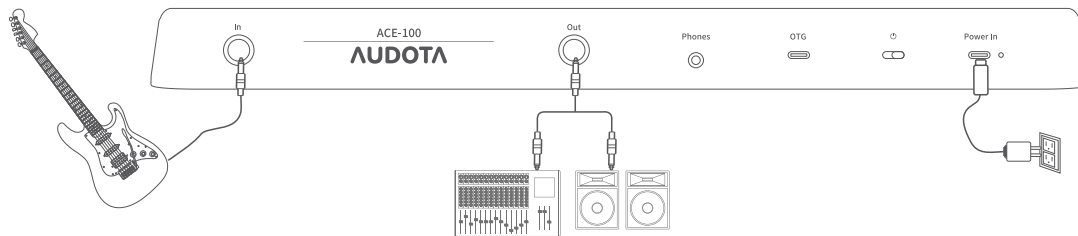
Please refer to the diagram below for connection instructions.

Using a standard TS connection cable, connect the instrument to an amplifier or mixer to achieve conventional sound effects and tones.



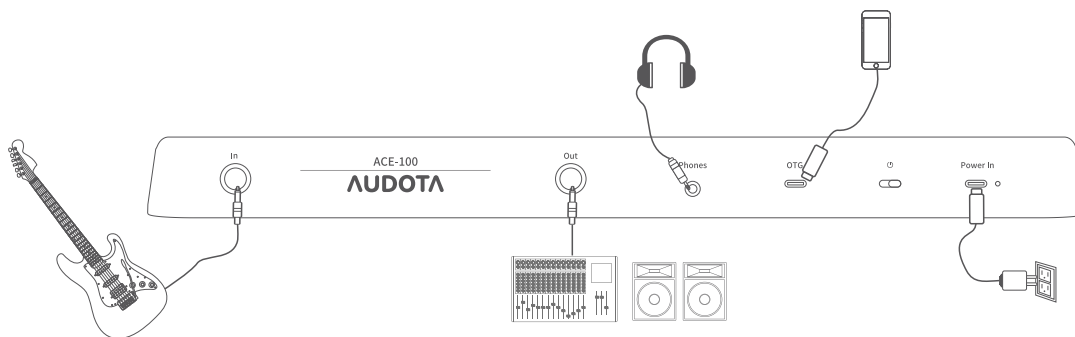
2. Stereo Connection

Use a TRS-to-dual-TS splitter cable from the Output jack to connect the instrument to both an amplifier and a mixer, achieving a stereo sound effect.



3. OTG Recording Connection

Connect your smart device to the OTG port using an OTG cable to enable OTG recording, while monitoring the audio through the Out and Phones interfaces.



Effect Modules

- **Noise Gate Knob** Turn to enable/disable the noise gate or adjust the threshold level
- **Boost Knob** Controls the effect volume. In LIVE mode, use Footswitch A to toggle the boost (up to +7dB gain).
- **Amp Type Knob** Turn to enable/ disable or cycle through amp head models.
Gain Knob: Adjusts preamp distortion.
Low Knob: Adjusts the amount of bass frequencies.
Mid Knob: Adjusts the amount of middle frequencies.
High Knob: Adjusts the amount of high frequencies.
Vol Knob: Adjusts the amount of volume.
- **Cab Type Knob** Turn to enable/ disable or cycle through cabinet models.
- **Mod Fx Knob** Turn to cycle through 3 modulation effects. Adjust the effect level/ mix for each preset. In LIVE mode, use Footswitch B to toggle the modulation effect on/off.
Rate Knob: Adjusts modulation speed.

- **Delay Knob** Cycles through 3 delay types. Adjust effect mix per preset. In LIVE mode, use Footswitch C to toggle delay.
Delay Time Knob: Sets delay time (40–1000ms).
- **Reverb Knob** Cycles through 3 reverb types. Adjust effect mix per preset. In LIVE mode, use Footswitch D to toggle reverb.
Rev Decay Knob: Controls reverb tail length.
- **Master Knob** **Global output volume control.**

Quick Start

The ACE-100 features two modes—Preset Mode and Live Mode—each designed for specific performance scenarios. Use the Footswitch B+C combo to toggle between modes.

Preset Mode (screen displays "P").

Preset switching: Press Footswitches A/B/C/D to recall 4 presets in the current bank. Use A+B or C+D combos to switch preset banks.

Parameter Adjustment & Saving: Rotate knobs to tweak editable parameters.

Long-press any footswitch A/B/C/D until LEDs blink rapidly to save adjustments.。

Live Mode (screen displays "L").

Effect Toggling: Press Footswitches A/B/C/D to bypass/engage their assigned effects. LEDs (footswitch strips & knobs) indicate effect status (on/off).

Parameter Adjustment & Saving: Rotate knobs to modify parameters. Flashing knob

LED: Parameter modified (unsaved).

Solid knob LED: Parameter saved.

Preset Saving:After editing, long-press any footswitch (A/B/C/D) to save to the target preset (LEDs blink rapidly). Use A+B or C+D combos to select the destination bank.

- **Tuner**

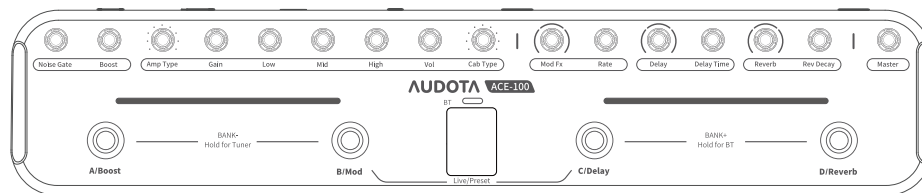
After powering on, long-press footswitch A+B simultaneously until all knob lights turn off and the screen displays "-", indicating the tuner function is activated. The screen will show the input pitch, while the footswitch light bar indicates tuning accuracy. Press any footswitch to exit the tuner mode.



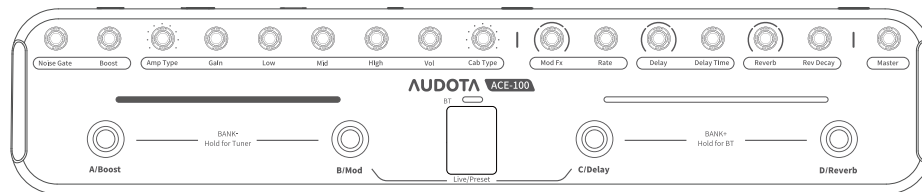
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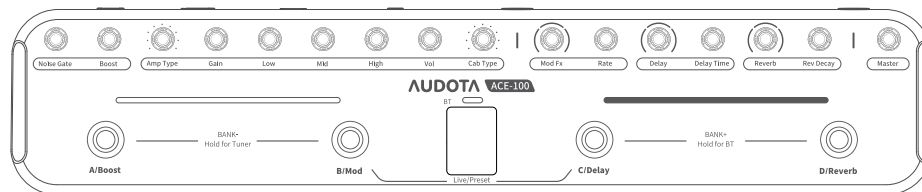
Half Step Higher



In Tune



Pitch Flat



Pitch Sharp

- **Bluetooth On/Off**

Press and hold footswitch C+D until the Bluetooth light flashes. Use your smart device to search for and connect to "ACE-100" via Bluetooth. Once successfully connected, the Bluetooth light will remain steady. At this point, Bluetooth audio can be played through ACE-100, and the Audota Studio App can also search for and connect to ACE-100. To disconnect Bluetooth, press and hold pedals C+D until the light turns off.

BT 

- **USB OTG Recording**

Using the included USB cable and an OTG adapter (sold separately), connect your mobile device (e.g., smartphone) to the USB-C port of the ACE-100 to enable OTG digital recording. You can monitor the audio via the Out or Phones interface.

- **Low Battery Warning**

When the ACE-100's battery is running low, the screen will flash "C" repeatedly, indicating that less than 30 minutes of usage remains. Please recharge the device immediately.



- **Audota Studio App & PC Compatibility**

Mobile App: Audota Studio

Tone editing, system configuration, preset management.

Download available on Apple App Store, Google Play, and Tencent MyApp.

PC Software: ACE-100 Editor

Import/delete Amp & Cab (IR) impulse response files.

Firmware updates for enhanced performance.

Download available on our Official website: <https://www.audota.com/>



Tone Descriptions

Boost		
No.	Name	Tone Description
1	RB Boost	Based on Xotic RC Booster

Amp		
No.	Name	Tone Description
1	Twin Rvb	Based on Fender65 Twin Reverb
2	Baceman	Based on Fender59 Bassman
3	JZ120	Based on Roland JC120
4	Aox BC30 OD	Based on Vox AC30
5	Masheil JC900	Based on Marshall JCM900
6	VanH 5051 DS	Based on EVH 5150
7	Mese Mrk five DS	Based on Mesa Boogie Mark V
8	Angl 650 DS	Based on Engl E650

Cab		
No.	Name	Tone Description
1	Twin Rvb 212	Based on Fender 65 Twin Reverb 212
2	Baceman 410	Based on Fender 59 Bassman 410
3	Peevay Classic 212	Based on peavey Classic 50 212
4	Aox BC30 212	Based on Vox AC30 212
5	Masheil 1960A 412	Based on Marshall 1960A 412
6	Solonao SC 412	Based on Soldano Slant Classic 412
7	Mese Rectifier 412	Based on Mesa Boogie Rectifier Straight 412
8	Angl XXL 412	Based on Engl E412XXL 412

Modulation		
No.	Name	Tone Description
1	Jet Flanger	Flanger with a jet airplane effect
2	Stutter Tremolo	Cyclic volume changes with a stuttering effect
3	Analog Chorus	Classic analog chorus effect

Delay		
No.	Name	Tone Description
1	Digital Delay	Clear and precise signal reproduction
2	Analog Delay	Warm delay effect from analog circuits
3	Tape Delay	Classic tape echo effect simulation

Reverb		
No.	Name	Tone Description
1	Room	Simulates room-like reverberation characteristics
2	Hall	Simulates hall-like reverberation characteristics
3	Plate	Vintage-style spring reverb effect

Technical Specifications

Input:	6.35mm 2M Ω
Output:	6.35mm 100 Ω
Headphones Output:	3.5mm 32 Ω
USB:	USB-C, for quick charge and OTG recording
Bluetooth:	5.0
Battery:	2000mAh
Battery Life:	5Hs
Charging Time:	2.5Hs
Charging Standard:	DC 5V/2A, supports USB-C to USB-A cables only
Impulse Response (IR)	
Format:	WAV
Sample Rate:	44.1k (supports importing full-sample-rate IR files)
Bit Depth:	24-bit
Sample Points:	512 points
Weight:	573g
Dimensions:	L329*W68*H45
Included Accessorie:	Quick Start Guide, USB Data Cable

