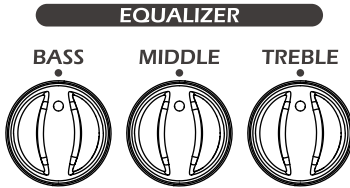


Adjusting the equalization

Turn the BASS, MIDDLE and TREBLE equalizer knobs to adjust the final output sound.



Set each equalizer knob to its center position for a flat response first before adjusting the tone.

- **BASS:**
Adjust to boost or cut low frequencies.
Boost to emphasize the body tone. Cut if low frequencies are too loud when strumming.
- **MIDDLE:**
Adjust to boost or cut middle frequencies.
Boost to add warmth to the tone. Cut to make the tone more powerful, emphasizing the attack.
- **TREBLE:**
Adjust to boost or cut high frequencies.
Boost to emphasize the ringing of the strings. Cut if high frequencies are too loud.

Adjusting the reverb

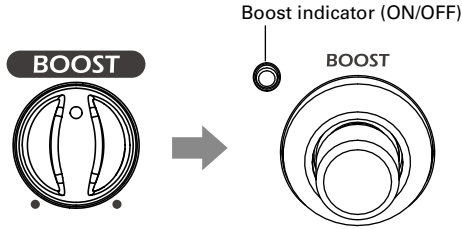
Turn the REVERB knob to add a reverb effect to the sound of the acoustic guitar, increasing its width and depth.



Keep the original tone of the acoustic guitar in mind as you adjust the reverb volume.

Using the boost function

Turn the boost knob to amplify the volume during solos or to change the volume when switching between strumming and fingerpicking. Use the BOOST switch to turn the boost ON and OFF.



NOTE

If the sound distorts when the boost is on, turn the VOLUME knob to adjust the volume.

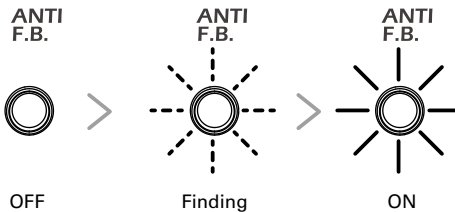
Using the anti-feedback function

Press the anti-feedback switch to find and cut the frequency band that is causing feedback to reduce it.

ANTI F.B.



The feedback switch will blink while the feedback frequency band is being found. When the frequency band has been found, it will light and the anti-feedback function will become active.

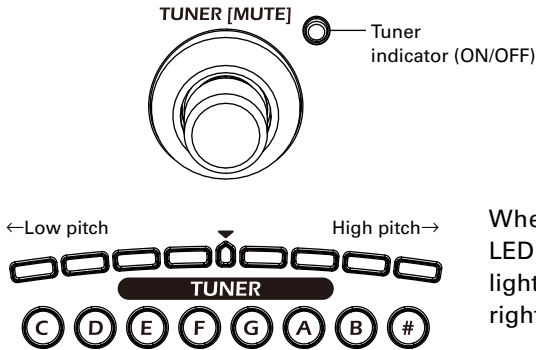


NOTE

Press the anti-feedback switch again to turn the anti-feedback function off.

Using the tuner

Press the tuner switch to turn the tuner ON and OFF. Play the open string that you want to tune and the closest pitch name LED will light. The LED meter will show the pitch error.




When the pitch is confirmed, the LED at the center of the meter will light green and LEDs to the left and right will light red.

NOTE


The output is muted when the tuner is on. The standard pitch for middle A is fixed to 440Hz.

Setting the type of batteries used

Set the type of battery used by the **AC-2** so that the remaining battery charge can be indicated accurately.

- Turn the power ON while pressing . (The boost indicator blinks.)




- Press  to set the type of battery used.



Lit green: Alkaline batteries
Lit red: Nickel metal hydride batteries

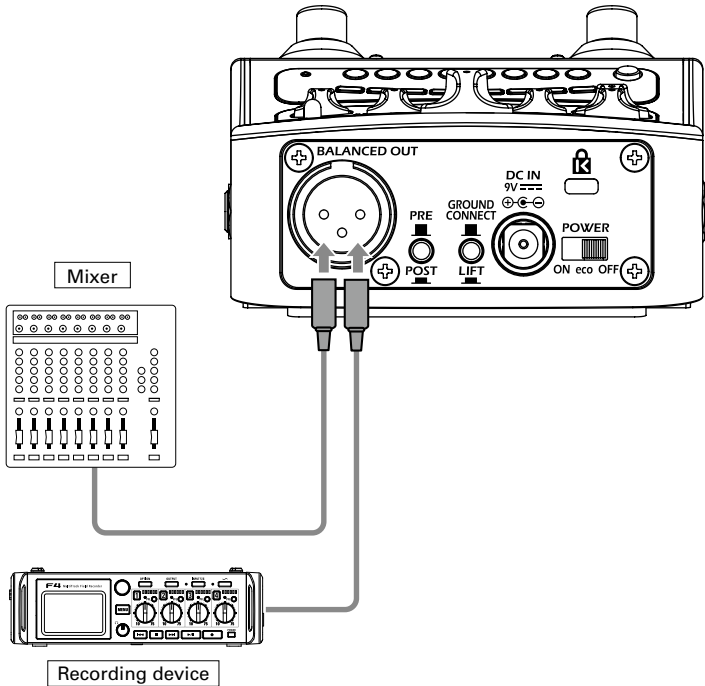
Power indicator
(front panel)



- Press  to confirm the setting. (The boost indicator stays lit.)

Connecting audio equipment

The **AC-2** can be connected to a mixer, recording device or other audio equipment that adjusts the sound balance.



PRE



POST



Set when the signal is output from the BALANCED OUT jack.

- PRE (button up): Output before processing by the **AC-2**.
- POST (button down): Output after processing by the **AC-2**.

GROUND
CONNECT



LIFT

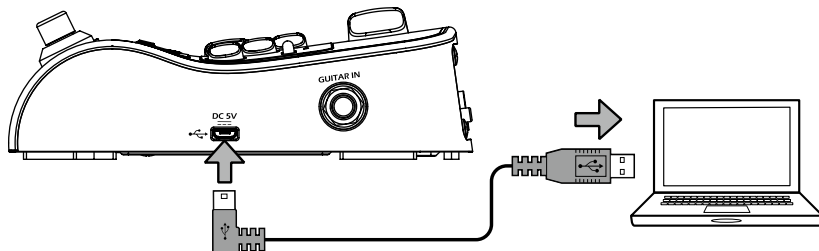
The BALANCED OUT jack can be connected or disconnected from the ground.

- CONNECT (button up): Connect to the ground pin.
- LIFT (button down): Disconnect the grounding pin from the ground. This is effective if noise is caused by a ground loop.

Updating the firmware

To download the latest firmware, visit the ZOOM website (<http://www.zoom.co.jp/>).

- Use a USB cable to connect the **AC-2** to a computer.



- While pressing both **TUNER [MUTE]** and **ANTI F.B.**, turn the POWER switch ON.



- Launch the firmware update application on the computer and start the update.



- The **AC-2** clipping indicator lights orange while the update is being executed.



NOTE

Do not disconnect the USB cable during a firmware update.

HINT

See the ZOOM website (<http://www.zoom.co.jp/>) for firmware update application instructions.



- The **AC-2** clipping indicator lights green when the update completes.



- Set the power switch to "OFF".

Troubleshooting

The unit will not power on

- Confirm that the POWER switch is set to ON.
- If using batteries, confirm that they are still charged.

There is no sound or output is very quiet

- Check the connections. (→ P6, P13)
- Sound will not be output in the tuner is on. (→ P12)

There is a lot of noise

- Confirm that the shielded cable is not the cause.
- Use a genuine ZOOM AC adapter.

The sound distorts strangely or has an odd timbre

- Adjust the amount of boost amplification. (→ P11)
- Set the pickup selection correctly for the type of pickup. (→ P8)

Batteries lose their charge quickly

- Confirm that you are not using manganese batteries. Alkaline batteries should provide about 3 hours of continuous operation.
- Confirm that the battery type setting is correct. (→ P12)

Specifications

Source guitars	16 types
Sampling frequency	44.1 kHz
A/D conversion	24-bit 128x oversampling
D/A conversion	24-bit 128x oversampling
Signal processing	32-bit
Frequency characteristics	20 Hz–20 kHz (+1 dB/–3 dB) (10 kΩ load)
Input	Standard mono phone jack Rated input level: –20 dBu Input impedance: 10 MΩ
Outputs 1/MONO/PHONES	Standard stereo phone jack (combined line/headphone) Maximum output level: Line +7 dBu (10 kΩ or more output impedance) Headphones 8 mW + 8 mW (32 Ω load)
2	Standard mono phone jack Maximum output level: Line +7 dBu (10 kΩ or more output impedance)
BALANCED OUT	XLR jack Output impedance: 100 Ω (HOT-GND, COLD-GND), 200 Ω (HOT-COLD) PRE/POST (switchable) GND LIFT (switchable)
S/N (equivalent input noise)	120 dBu
Noise floor (residual noise)	–100 dBu
Power	AC adapter: 9V DC 500 mA center negative (ZOOM AD-16) Batteries: 2 AA (about 3 hours continuous operation time using alkaline batteries)
External dimensions	158 mm (D) × 107 mm (W) × 52 mm (H)
USB	USB MIDI USB Micro-B
Weight	570 g (Not including batteries)

Note: 0 dBu = 0.775 V

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