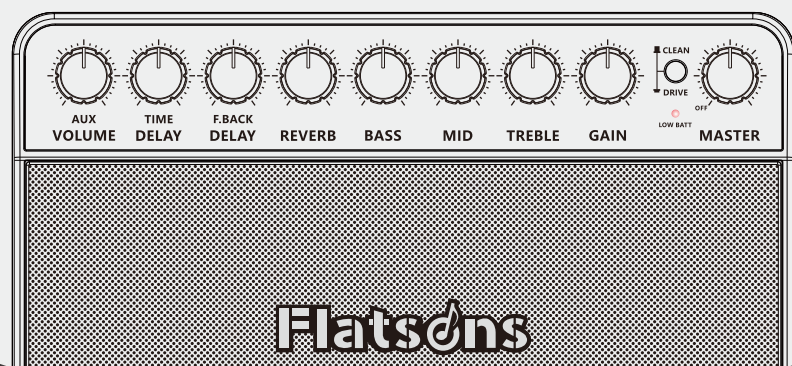




FBA-20

Electric Guitar Amplifier

User's Manual



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🔍 <https://flatsonsaudio.com>



Safety Instructions

1. This product contains a built-in, rechargeable 7.4V/3000mAh lithium-ion battery. Use a 5V/2A power source via the USB-C port for charging; a full charge takes approximately 3 hours.
2. Do not store the battery in a fully discharged state. For long-term storage, keep the product fully charged. If the amplifier shuts down due to low battery, recharge it promptly.
3. When not in use, turn off the amplifier by turning the MASTER knob fully counterclockwise.
4. Do not attempt to disassemble the product, open the casing, or modify the circuit. There are no user-serviceable parts inside.
5. Do not use the amplifier in rain, damp areas, or wet conditions. Prevent water or other liquids from entering the product.
6. Avoid dropping the amplifier or subjecting it to strong impacts, collisions, or vibration to prevent damage.
7. Clean only with a dry, soft cloth. Do not use flammable or corrosive cleaners such as benzene or thinner.
8. When using headphones, start with a low volume and increase gradually to avoid hearing damage.
9. Do not dispose of this product with household waste. For proper disposal, contact your local dealer or recycling center.
10. To maintain warranty coverage, purchase from authorized retailers and keep your sales invoice. Warranty may be voided by use in unverified regions or purchase from unauthorized sources.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

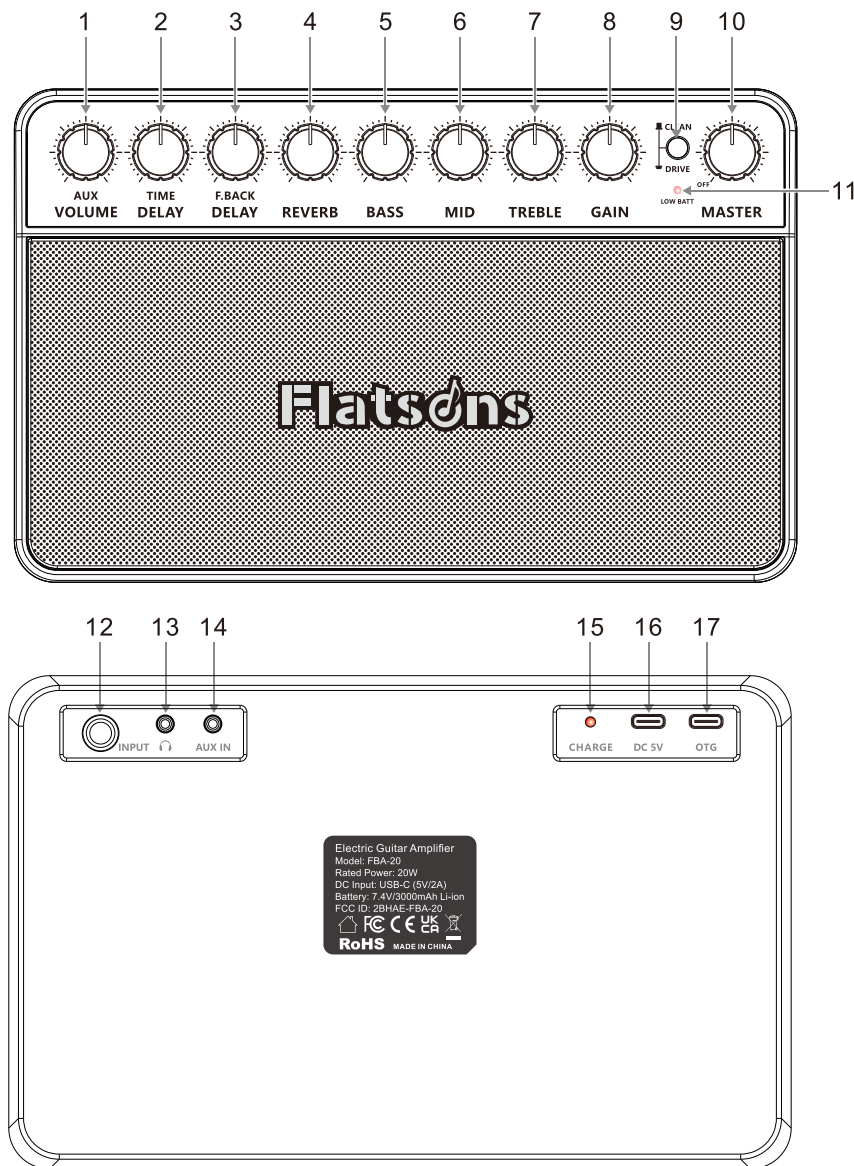
Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product Overview

The Flatsons FBA-20 is your go-to creative partner. It integrates a range of effects, substantial power, and flexible OTG connectivity into a single, compact unit. Whether you're focused on home practice, collaborative rehearsals, or capturing ideas in the moment, it delivers the exceptional tone and seamless integration needed to keep your music flowing.

Panel & Control Layout



1. **AUX VOLUME:** Controls the playback volume of the external device connected via the AUX IN or via wireless.
2. **TIME DELAY:** Adjusts the time interval between each echo repeat.
3. **F.BACK DELAY:** Controls the number of delay repeats (feedback).
4. **REVERB:** Controls the intensity of the reverberation effect, simulating the decay and spaciousness of different acoustic environments

5. **BASS:** Adjusts the low-frequency response.
6. **MID:** Adjusts the mid-frequency response.
7. **TREBLE:** Adjusts the high-frequency response.
8. **GAIN:** Controls the intensity or distortion level of the raw input signal entering the amplifier.
9. **CLEAN/DRIVE:** A channel selection switch with status indicator. Select CLEAN for a pure and undistorted original tone, or DRIVE for a pre-set distortion channel with higher gain and more aggressive character. The indicator shows the active channel (Green for Clean, Red for Drive).
10. **MASTER:** Controls the final output volume and serves as the power switch (rotate clockwise to turn on).
11. **LOW BATT:** Lights red when the battery charge is low.
12. **INPUT:** 1/4" (6.35mm) jack for connecting your electric guitar.
13. **HEADPHONE OUT** 1/8" (3.5mm) jack. The internal speaker is automatically muted when headphones are plugged in.
14. **AUX IN:** 3.5mm jack for connecting external audio device.
15. **CHARGE LED:** Lights red while charging and turns solid green when fully charged.
16. **DC 5V:** Port for charging with a 5V/2A power source. Use the provided USB-C cable.
17. **OTG:** For direct audio connection to a smartphone or tablet via a USB-C OTG cable, enabling high-quality direct recording and deeper-level tone editing.

How to Use

1. **Power On:** Rotate the MASTER knob clockwise until it clicks. The CLEAN/DRIVE LED will light up during operation.
 2. **Connect Guitar and Shape Sound:** Plug your guitar into the INPUT jack. Use the CLEAN/DRIVE switch to select the tone channel. Then, adjust the GAIN, BASS, MID, and TREBLE knobs to shape your tone. Use the MASTER knob to set the overall volume.
 3. **Use Built-in Effects:** Adjust the TIME DELAY, F.BACK DELAY, and REVERB knobs to add effects.
 4. **Play Along with Backing Tracks:** Connect an external audio device to the AUX IN jack or wireless. Use the AUX VOLUME knob to adjust its level.
- NOTE:** To connect via wireless, turn on wireless on your device, search for "FBA-20", and pair.
5. **Silent Practice:** Plug headphones into the HEADPHONE OUT jack for silent practice or private listening.
 6. **OTG Connection:** Use a USB-C OTG cable to connect a compatible device to the OTG port for direct audio playback or recording.
 7. **Charging:** Connect the provided USB-C cable between the DC 5V port and a 5V/2A power adapter (not included).
 8. **Low Battery Indicator:** When the battery is low, the LOW BATT indicator will light red. Recharge promptly.

Parameters

Rated Power: 20W
Headphone Output: 32Ω
Input Impedance: 750KΩ
Auxiliary Input Impedance: 20KΩ
Speaker Impedance: 4Ω
Battery: 7.4V / 3000mAh Li-Ion
Power Supply: DC 5V / 2A (via USB-C)
Dimensions: 230(L) × 96(W) × 145(H) mm
Weight: 1350g

Packing List

FBA-20 Amplifier x1
Charging Cable (USB-A to USB-C) x1
OTG Cable (USB-C to USB-C) x1
User's Manual x1

Note: The USB power adapter is not included.