DC-15B

15W Digital Bass Amplifier

Owner's Manual

JOYO TECHNOLOGY CO., LTD

IMPORTANT NOTES

Please read the Operating Instructions:

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other Apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Never use with a cart, stand, tripod, bracket, or table except as specified by the manufacturer's , or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when not in use for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is Damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

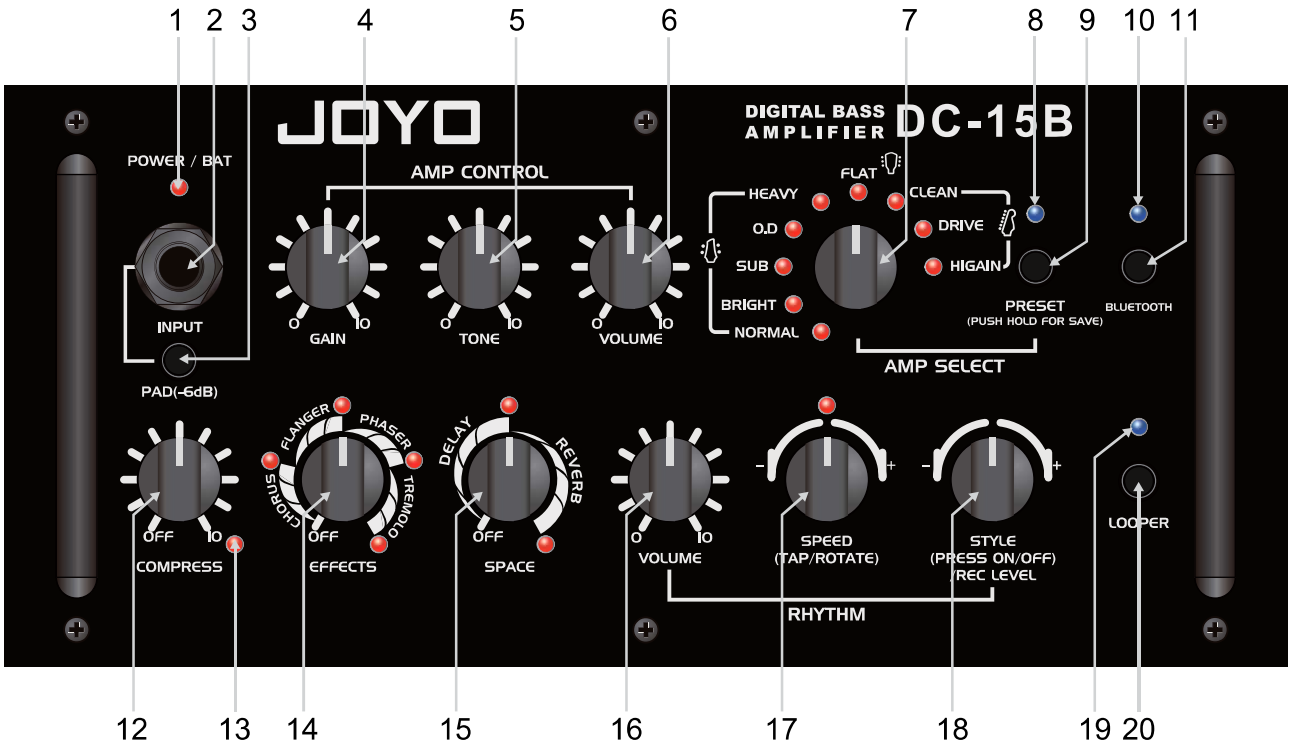
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Important notes

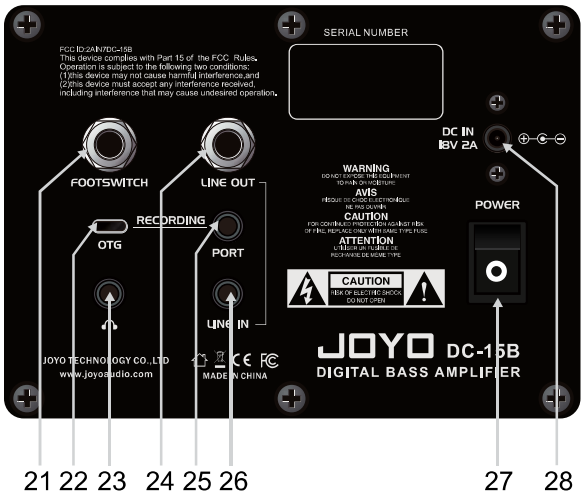
DC-15B features built-in rechargeable lithium battery, due to the characteristics of lithium battery, please obey the following safety rules:

- Do not leave it charging without supervision.
- Please check up the power adapter's specifications prior to use, so as to avoid connect to the wrong one, which may result in damage to the unit or other dangers.
- Please charge DC-15B via the attached power adapter only, as other adapters may cause damage to the unit or other dangers.
- Do not replace the battery for any reason on your own, so as to avoid potential hazards.
- Please charge it in time so as to extend the life of battery.

Panel



1. Power Indicator
2. Instrument Input Jack
3. PAD Switch
4. Gain Control Knob
5. Tone Control Knob
6. Instrument Output Volume Knob
7. AMP SELECT
8. PRESET Switch Indicator
9. PRESET Switch
10. Bluetooth Switch Indicator
11. Bluetooth Switch
12. Compress Effects Control Knob
13. Compress Effects Control Knob Indicator
14. Effects Select Control Knob
15. Space Effects Select Control Knob
16. Drum Machine Volume Control Knob
17. Drum Machine SPEED Control Knob
18. Drum Machine STYLE Select Knob
19. Dub Input Volume Indicator
20. Dub Input Volume Control Switch



21. External Footswitch pedal Input Jack
22. External Audio Jack
23. Headphone OUT Jack
24. LINE OUT JACK
25. Analog Audio Streaming Jack
26. LINE IN JACK
27. Power Switch
28. AC Adapter Input Jack

Front Panel

POWER INDICATOR LED: Power indicator. It becomes blue while charging, it's in red when charging has completed or in normal use.
INPUT JACK: Instrument Input Jack.
PAD SWITCH: The input signal will be attenuated by -6dB when it's been turned on.
GAIN KNOB: Gain Control Knob, turn it clockwise will boost the Gain.
Note: Usually, the output signal of the guitars with humbucker is strong, especially those with active pickup, their guitar output is much stronger; which is the same as the real analog circuit amps(such as the tube amps), when using the CLEAN Channel, if you need pure CLEAN tone, please turn down the GAIN as much as possible, so as to obtain satisfactory CLEAN tone.
TONE KNOB: Turn it clockwise will make the tone much brighter.
VOLUME KNOB: Instrument Output Volume Knob, turn it clockwise will get greater Instrument Output Volume.
AMP SELECT SWITCH: Turn it to select different amp models.
The parts with , , are dedicated for electric guitar amplifier models;
The part with FLAT indicates that you can get flat frequency response, suitable for acoustic guitars or multi-effects processors, now DC-15B can be used as FRFR amp.
PRESET SWITCH: Preset select switch, press it to switch between 2 different Presets. If you want to save the presets, just long press it until the Preset LED Indicator flickers, it indicates the current setting has been saved.
COMPRESS KNOB: COMPRESSION EFFECT CONTROL KNOB. Turn it clockwise will increase the COMPRESS ratio.
EFFECTS KNOB: EFFECTS SELECT CONTROL KNOB. Turn it to select among CHORUS, FLANGER, PHASER and TREMOLO and adjust the EFFECT, the chosen EFFECT's indicator will be on simultaneously, when you turn it to the position of OFF, the EFFECT module will be turned off, and its indicator will extinguish.
SPACE KNOB: SPACE EFFECT CONTROL KNOB. Turn it to select between DELAY and REVERB Effect and adjust the SPACE, the chosen SPACE's indicator will be on simultaneously, when you turn it to the position of OFF, the SPACE EFFECT module will be turned off, and its indicator will extinguish.

Front panel LOOPER module

• Record
LOOPER SWITCH: you can record by pressing this LOOPER SWITCH. When the recording data is empty, press it to begin the 1st recording, now the LED indicator on the LOOPER SWITCH becomes red, once the recording is completed, it will play what you've just recorded when you press it, and the indicator becomes blue; if the recording time is greater than 30 seconds, then the indicator becomes blue automatically as well, indicating that the memory is full, it switches to playing status automatically.

• Dub
The contents after the 1st recording is regarded as dub, if you want to dub, just press this switch in playing status, now the indicator becomes red again, you need to press it again to finish dubbing, otherwise dub won't stop automatically.

• CLEAR
If you want to clear all the recording, press this switch twice in playing status and don't release it, now the indicator will flicker, indicating the recording has been cleared.

- **REDO**

If you want to redo the previous dub, press this switch in playing status and don't release it until the indicator begin to flicker, indicating the contents that have been dubbed just now will be UNDO, if you don't DUB afterwards and press this switch and don't release, then the contents that had been UNDO will be restored.

- **Adjust the the DUB's VOLUME**

Prior to dub, you can turn the STYLE knob to decrease or boost the current VOLUME for a little bit, please note that the STYLE knob cannot set the VOLUME of the 1st recording, and it cannot revise the current VOLUME when there is no recording content for LOOPER as well.
If EFFECTS/SPACE or AMP SELECT has been adjusted, then the current adjusted VOLUME will be restored to the its default status, so you need to adjust the Dub Volume all over again.

Front panel RHYTHM module

VOLUME KNOB: Adjust the drum machine's output volume, turn it clockwise will get greater drum machine's output volume.
SPEED KNOB: Speed adjustment knob. Turn it clockwise will accelerate the drum machine's speed, you can also press continuously to set the drum machine's playing speed quickly. Speed range: 60-240 BPM
STYLE KNOB: Drum machine STYLE SELECT Knob. You can choose a suitable drum machine style by turning it clockwise or counterclockwise.

Note: The drum machine settings cannot be changed if the LOOPER has recordings.
Note: If the LOOPER has recordings, this knob can also be used as the DUB INPUT VOLUME CONTROL KNOB, only working for DUB's VOLUME, you can turn this knob to get satisfactory DUB VOLUME prior to DUB. Please refer to the previous contents for details: section: Adjust the DUB's VOLUME.

Front panel Bluetooth function

- **Basic operations**

BT SWITCH: Bluetooth function switch. Long press it to turn on or turn off the Bluetooth function, once it's been turned on, you can connect the devices with Bluetooth music playing function to DC-15B to play music or backing tracks. Once paired successfully, the Bluetooth LED Indicator is on, if there is no devices connected with DC-15B, then the the Bluetooth LED Indicator will flicker.

- **Forced disconnection of the current connected device**

If DC-15B is connected by other user's device, then you can click this switch once to disconnect the currently connected device forcedly of other user.

Rear panel

LINE OUT JACK: you can connect to other amplifiers via it, so as to amplify the sound additionally.
FOOTSWITCH JACK: Connect to the related Footswitch pedal. Please make sure to connect to the related Footswitch pedal only. If the attached Footswitch cable is broken, then please use other good quality 6.3mm TRS stereo audio cable as replacement.
PHONES JACK: you can connect to headphones with it. With rated load impedance of 32ohm.
OTG JACK: it can be used as your portable device's external audio interface, you can record, play or live stream via smart phone or other devices that compatible with the USB AUDIO PROTOCOL.

Analog Audio Streaming Jack: you can record with the old-fashioned cell phones with 3.5mm TRRS port via it. As different cellphone Jack's signal order might be different, so if the ambient sound has been recorded, please use the attached conversion cable first, and then begin to record or live stream.
LINE IN JACK: You can connect your CD, MP3 etc via 3.5mm stereo audio cable for playing music or backing tracks.
DC IN JACK: AC adapter Input Jack. Please use the attached power adapter to supply power for this unit or charge. Try not to connect the power adapter to it while not charging, so as to save energy.
POWER SWITCH: The unit will turn off automatically if there is no music signal input for a while, you need to turn on and then turn off the POWER SWITCH to turn on this amp all over again.

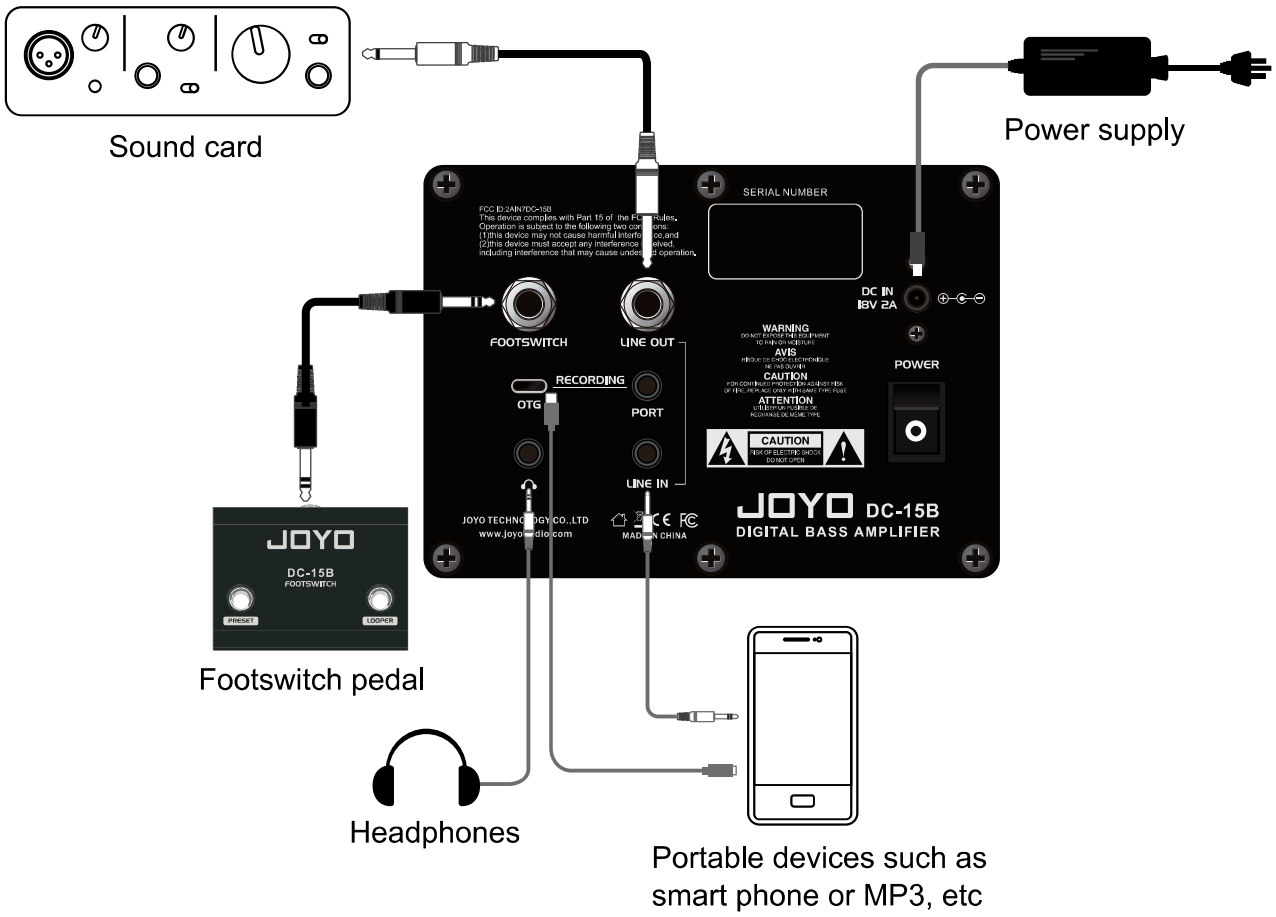
Auto power off function

To save energy and maximize battery life, DC-15B features auto power off function, DC-15B will activate auto power off function when the following scenarios occurred:

1.There is no audio signal input in a long time
When there is no audio signal input to DC-15B(Any audio signal from instruments, Bluetooth, LINE IN, USB OTG or PORT) for a while, auto power off function will be activated.

2.Extremely Low battery
To avoid over-discharge to the battery, when the battery is extremely low(over-discharge will cause irreversible damage to the battery), the power indicator will flicker, indicating extremely low battery, now please charge the battery as soon as possible so as to maximize battery life. If the charger has not been connected in a while, DC-15B will power off automatically.

Connection diagrams



Parameters

AC adapter input voltage: AC100-240V 50-60Hz
AC adapter output voltage: DC18V/2A
Built-in battery: 14.8V/4.4Ah(lithium battery)
Guitar Channel Input Sensitivity: -20dBV
LINE IN Sensitivity: -10dBV
RMS power: 15W
LINE OUT Impedance: 1kΩ
PORT INPUT Impedance: 10kΩ
Headphone Impedance: 32Ω
Speaker's specifications: Midrange speaker and woofer: 5.25-inch/4Ω/20W;
Treble speak: 2.5-inch/8Ω/15W
Bluetooth version: 5.0
LOOPER time: 30s

Package contents

Footswitch connecting cable×1
Power adapter×1
3.5mm 4-Pin cable×1
Power cable×1
Footswitch pedal×1

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FCC warning statements:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

The device has been evaluated to meet general RF exposure requirement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.