

FLAMMA

FF02

D R U M M E R

Dual-footswitch Drum Machine Pedal

Owner's manual

Content

Precautions	01
Features	02
Layout	03-05
Instructions	06-12
Drum Groove List	13-18
Specifications	19

Precautions

Please read this document carefully before using this product

Power Supply

Use the designated power adapter to connect this product. This product requires a 9V 200mA power adapter with an internal negative and external positive configuration. Using the wrong power supply may cause a short circuit and damage the device. Disconnect the power when the product is not in use for a long time.

It is recommended to use isolated power supply for the device, sharing power with another devices might cause unexpected noise.

Safety Precautions

1. Please read this manual carefully.
2. Keep this manual for future reference.
3. Pay attention to all warnings.
4. Follow the instructions in the manual.
5. Do not place the device near water or in a humid environment.
6. Clean with a dry cloth.
7. Keep away from radios, televisions, or other devices that generate magnetic fields to avoid interference.
8. Do not operate switches and controls forcibly.
9. Do not allow paper scraps, metal objects, or other items to fall into the machine.
10. Do not drop or subject the machine to impact or excessive pressure.

Features

- 11 music styles, each containing 11 drum grooves
- 11 customizable drum machine groups
- Each drum machine group includes 6 customizable rhythm slots, switchable via footswitch
- FILL function for adding fills, which can be activated at any time during drum playback
- TAP TEMPO for setting the tempo easily
- Global settings for quick switching between different frequency response and volume according to different output setup

Layout



01

Screen

Displays functional status information.

02

GROUP/SAVE Knob

Press to switch to the group page or toggle selected parameter items within the group page. Rotate to adjust the value of the currently selected parameter. Press and hold for 1 second to enter the Slot Save interface. In the Tap Tempo page, rotate to adjust the BPM value.

03

SETTING/VOLUME Knob

Press to switch to the setting page or toggle selected parameter items within the setting page. Rotate to adjust the value of the currently selected parameter. Press and hold for 1 second to enter or exit the global setting page. In the global setting page, press to toggle the selected parameter item and rotate to adjust its value. In other interfaces, rotate to quickly adjust the drum machine playback volume.

04

LED Light Bar

Indicates the current operating status of the drum machine.

05

Left Footswitch

Press to activate the Fill function. Press and hold for 1 second to enter the Tap Tempo interface. In the Tap Tempo interface, tap twice or more to set the playback speed of the drum machine.

06

Right Footswitch

Press to start/stop the audio playback of drum machine.

07

INPUT L (MONO) Jack

1/4"unbalanced left channel input (for mono input, connect to this jack; for stereo input, connect to both left and right jacks).

08

INPUT R Jack

1/4"unbalanced right channel input.

09

OUTPUT L (MONO) Jack

1/4"unbalanced left channel output (for mono output, connect to this jack; for stereo output, connect to both left and right jacks).

10

OUTPUT R Jack

1/4"unbalanced right channel output.

11

Power Port

Connect to power supply (9V 200mA, center-negative).

Note: It is recommended to supply this product with an independent power source.

Non-isolated power sources (such as using daisy chains or non-isolated power supplies for multiple effect pedals) may produce additional ground loop noise.

Instructions

Drum Machine

Play/Stop

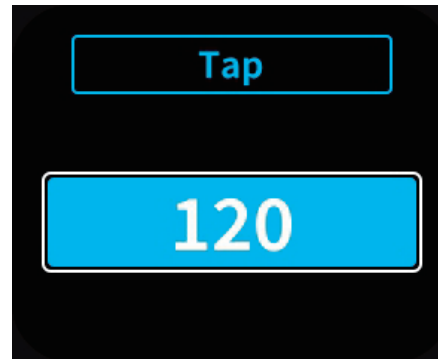
When the drum machine is stopped, tap the right footswitch to start playback. The LED strip will flash in red and blue at the current BPM to indicate the drum machine's rhythm. When the drum machine is playing, press the right footswitch again to stop it, and the LED strip will flash white to indicate the stop status.

Fill

The FF02 has 11x11 drum machine rhythm patterns, totaling 121 patterns. Each main rhythm has a corresponding Fill pattern. While the drum machine is playing, press the left footswitch to trigger the fill pattern; the LED strip will flash yellow to indicate the fill. Once the fill ends, the main rhythm resumes, and the LED strip returns to flashing in red and blue.

Speed Setting

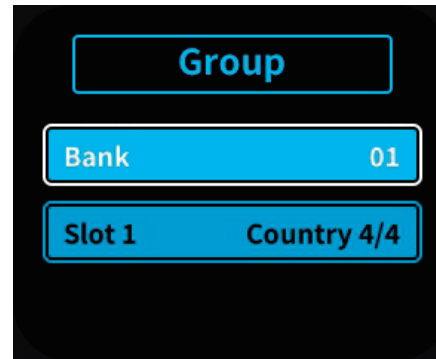
Method 1: Press and hold the left footswitch for 1 second to enter the Tap Tempo mode. In this mode, tap the left footswitch more than twice to set the drum machine's BPM (range: 40–260). The screen will display the current BPM, and the LED strip will flash according to the set BPM.



Method 2: In this mode, you can also adjust the BPM by turning the left encoder.
If there is no input in this mode for 5 seconds, it will automatically exit and return to the main display, with the left footswitch resuming its Fill function.

Group Management

The FF02 defaults to the Group interface at startup.



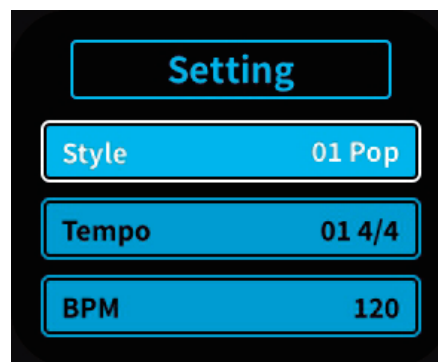
In this interface, press the left encoder to switch between selecting the Bank and Slot options. The FF02 has 11 Bank groups, each with 6 Slot positions. Each Slot can save a rhythm pattern. Use the left encoder to select the desired Bank and switch between Slots within the current Bank.

You can also switch Slots using the footswitch in Slot switching mode. Press both the left and right footswitches simultaneously to enter this mode, indicated by the LED strip flashing purple. Then, press the left or right footswitch to switch between Slots forward or backward. If no footswitch is pressed for 3 seconds, it will exit and return to the regular footswitch mode, with the LED strip resuming blue.

Note: When switching Slots while the drum machine is playing, it will finish the current bar before transitioning to the next Slot's rhythm, rather than switching immediately.

Setting Parameters Interface

In the Group interface, press the right encoder to enter the rhythm editing page for the selected slot in the current Bank.

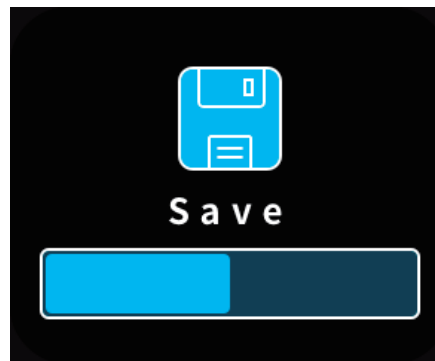


In this interface, press the right encoder to switch between the Style, Tempo, and BPM options. The Style option includes 11 music styles, Tempo switches between 11 rhythm patterns within the selected style, and BPM sets the playback speed of the rhythm pattern, synchronized with the Tap Tempo setting.

Save Drum Machine Settings

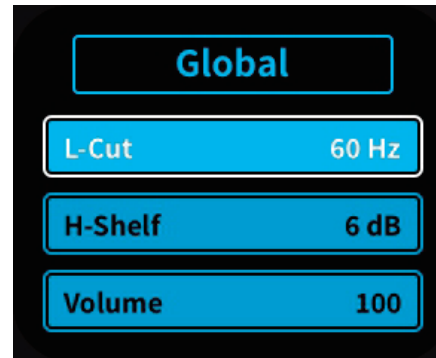
When changes are made to the drum machine settings for the current Slot, a disk icon will appear on the screen, indicating that parameters have been modified. Press and hold the left encoder for 1 second to enter the Save interface. Press the left encoder again to confirm and save; once the progress bar completes, the parameters will be saved. Pressing the right encoder will cancel the save.

If you switch Banks or Slots without saving, the changes will be discarded, and the previously saved parameters will remain unchanged.



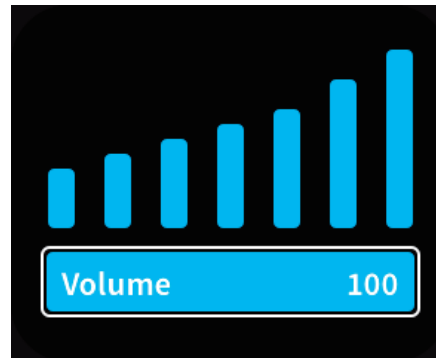
Global Settings

Press and hold the right encoder for 1 second to enter the Global Settings interface. In this interface, you can adjust the drum machine's frequency response and output volume globally. L-Cut controls the low-frequency cutoff (range: 20Hz–300Hz), H-Shelf adjusts the high-frequency boost (range: 1–6dB), and Volume sets the output volume (range: 0–100).



Press and hold the right encoder for 1 second again to exit the Global Settings interface.

When in the Group page, turning the right encoder allows quick adjustment of the drum machine's playback volume.



Drum Groove List

STYLE	GROOVE	BEATS
POP	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	3/4
	10	6/8
	11	6/8
STYLE	GROOVE	BEATS
FUNK	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8

STYLE	GROOVE	BEATS
BLUES	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	6/8
	11	6/8
STYLE	GROOVE	BEATS
ROCK	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8

STYLE	GROOVE	BEATS
METAL	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8
STYLE	GROOVE	BEATS
JAZZ	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	4/4
	11	2/4

STYLE	GROOVE	BEATS
FUSION	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	7/8
STYLE	GROOVE	BEATS
PUNK	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	3/4

STYLE	GROOVE	BEATS
LATIN	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	4/4
	11	6/8
STYLE	GROOVE	BEATS
COUNTRY	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	3/4
	11	6/8

STYLE	GROOVE	BEATS
REGGAE	1	4/4
	2	4/4
	3	4/4
	4	4/4
	5	4/4
	6	4/4
	7	4/4
	8	4/4
	9	4/4
	10	4/4
	11	2/4

Specifications

Specifications	
Num. of Drum Groove	121
Num. of Saving Slot	66
Sample Rate	44.1kHz
Sample Accuracy	16 bit
Response Frequency	20Hz~20kHz
Input	2*1/4" unbalanced mono input jack (impedance value 2M ohm)
Output	2*1/4" unbalance mono output jack (impedance value 470ohm)
Voltage	9V DC center negative (Please ensure the power supply is 9V exactly and check if the polarity is correct)
Current Draw	200mA
Dimensions	78.6*125*49mm
Weight	215g
Accessories	Power Adapter, Manual, Sticker

