

[Manuals.plus](#) /

› [FLAMMA](#) /

› FLAMMA FS21 Stereo Guitar Looper Pedal & Drum Machine User Manual

FLAMMA FS21

FLAMMA FS21 Stereo Guitar Looper Pedal & Drum Machine User Manual

Model: FS21

INTRODUCTION

This manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your FLAMMA FS21 Stereo Guitar Looper Pedal & Drum Machine. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your creative potential.

The FLAMMA FS21 is a versatile 2-in-1 unit combining a high-quality looper and a drum machine. It offers up to 160 minutes of total recording capacity across 40 preset slots, 100 different drum grooves from 10 unique music styles, and 10 metronome settings. It also supports software editing and external footswitch control.

KEY FEATURES

- 44.1kHz 24bit high-quality looper and drum machine.
- Up to 4 minutes of recording time per each track, 40 preset slots, and 160 minutes total recording capacity.
- 100 different drum grooves from 10 unique music styles.
- 10 types of metronome settings to choose from.
- EXT CTRL function supports external footswitch control (purchased separately).
- Supports import/export recording via USB.
- Automatic saving of recordings even after power off.
- Clear LED display for memory, level, fade out, select, volume, and BPM.

PRODUCT OVERVIEW

Familiarize yourself with the components and controls of the FS21 pedal.



Figure 1: Front view of the FLAMMA FS21 Looper and Drum Machine pedal, showing the main controls and display.

44.1 kHz 24 bit high-quality Looper and Drum Machine

Sampling Accuracy: 24 bit

Sampling Rate: 44.1 kHz

Dynamic: 103 dB

Frequency: 20 Hz~20KHz,
+0/-1dB



Figure 2: Angled view of the FLAMMA FS21 pedal highlighting its 44.1 kHz 24-bit high-quality audio, 103 dB dynamic range, and 20 Hz-20 KHz frequency response.



Drum Style



Figure 3: Close-up view of the FLAMMA FS21 pedal in Looper Mode, detailing functions like Fade Out, Record, Dub, Undo, Redo, Stop, and Clear.



Figure 4: View of the FLAMMA FS21 pedal showcasing the available drum styles: Pop, Rock, Metal, Disco, Funk, Metronome, Fusion, Latin, Jazz, Hip-Hop, and Blues.

SETUP

Power Connection

Connect the provided 9V DC power adapter to the DC IN jack on the pedal. Ensure the power source meets the specified

voltage and current requirements to prevent damage.

Audio Connections

- **Input:** Connect your instrument (e.g., guitar) to the INPUT-L (MONO) jack. If using a stereo input, connect the right channel to the INPUT-R jack.
- **Output:** Connect the OUTPUT-L (MONO) jack to your amplifier or audio interface. For stereo output, connect both OUTPUT-L and OUTPUT-R to separate channels on your amplifier or mixer.

External Footswitch (Optional)

The FS21 supports an external footswitch for extended control. Connect a compatible footswitch (purchased separately) to the EXT CTRL jack. Refer to the footswitch's manual for specific connection and configuration details.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Connect/disconnect the power adapter. The pedal will automatically power on when connected.
- **Mode Selection:** The FS21 operates in three modes: Looper, Rhythm, and Looper+Rhythm. Use the dedicated controls to switch between these modes.

Looper Functions

The looper section allows for recording, overdubbing, and managing your loops.

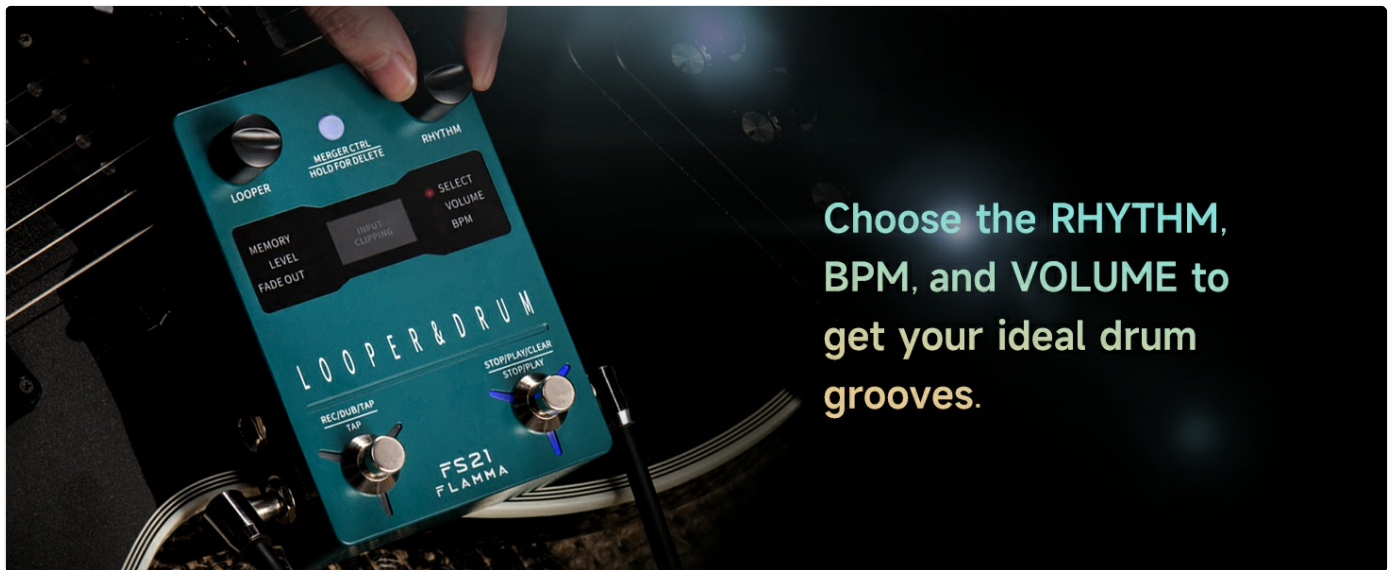


Figure 5: Detailed diagram of looper functions including Fade Out, REC, DUB, UNDO, REDO, STOP, and CLEAR.

- **Recording (REC):** Rotate the LOOPER knob to select an empty memory slot. Press the left footswitch to start recording. The screen will display "REC" and a timer will begin counting.
- **Playback:** After current track recording is finished, press the right footswitch to stop recording and begin playback. A progress bar will display the play time.
- **Dubbing (DUB):** After current track recording is finished, press the left footswitch to enter Dub mode. It will start recording while playing back previously recorded tracks. Press the left footswitch again to finish recording and begin playback of all recorded tracks.
- **Undo (UNDO):** If two or more tracks have been recorded, press and hold the right footswitch for 2 seconds during playback to delete the last track. "UNDO" will be displayed on the screen.
- **Redo (REDO):** You can utilize REDO to recall the last track you deleted. After UNDO, press and hold the right footswitch for 2 seconds to recall the deleted track. "REDO" will be displayed on the screen.

- **Stop (STOP):** In playback mode, press the right footswitch to stop playback. "STOP" will be displayed on the screen. You can press the right footswitch again to continue playing. You can also press the left footswitch while in STOP mode to continue playing and DUB a new track.
- **Fade Out:** Set the time of fade out when the playback stops. Range from 1 to 5 seconds. FADE OUT function is set to off by default.

Drum Machine Functions

The drum machine provides various grooves and metronome settings.



Images illustrating the variety of drum grooves and styles available on the FS21.

Software Editing

The FS21 supports import and export of looper files and factory reset via dedicated editor software. This allows for advanced management of your recorded loops and settings.

Software Editing

FS21 support import/export looper files and factory reset via editor software



Figure 6: Screenshot of the FS21 editor software interface, demonstrating import, export, delete, and merge functions for loop management.

For detailed instructions on using the software editor, please refer to the software's dedicated manual or the FLAMMA website.

Video Demonstrations

Your browser does not support the video tag.

Video 1: An overview of the FLAMMA FS21 Drum Loop Pedal by Derek Paul Guitar, demonstrating its features and sound capabilities.

Your browser does not support the video tag.

Video 2: Demonstration of the FLAMMA FS21 Drum Machine Looper Pedal, showcasing software editing and external footswitch control.

Your browser does not support the video tag.

Video 3: A general demonstration of the FLAMMA FS21 Drum Machine Looper Pedal for guitarists.

Your browser does not support the video tag.

Video 4: A demo of the FS21 Drum Loop by Marc Guitar, highlighting its looping and drum machine capabilities.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal's surface. Avoid using abrasive cleaners or solvents, as they may damage the finish.
- **Storage:** When not in use for extended periods, store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Check the official FLAMMA website periodically for any available firmware updates for the FS21. Updates can improve performance and add new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Incorrect cable connections, low volume settings, power issue.	Check all audio cables and power supply. Ensure volume knobs on the pedal and connected devices are turned up.
Looper not recording.	Memory full, incorrect mode, footswitch issue.	Clear an existing memory slot. Ensure the pedal is in Looper mode. Check footswitch functionality.
Drum machine not playing.	Drum volume too low, incorrect drum groove selected.	Increase drum volume. Select a valid drum groove.
Difficulty with software editing.	Software not installed correctly, driver issues, compatibility.	Reinstall the software and drivers. Check system requirements and compatibility with your operating system.

SPECIFICATIONS

- **Model:** FS21
- **Sampling Rate:** 44.1kHz
- **Sampling Accuracy:** 24bit
- **Dynamic Range:** 103 dB
- **Frequency Response:** 20 Hz~20 KHz, +0/-1dB
- **Loop Recording Capacity:** 160 minutes total, 4 minutes per track
- **Preset Slots:** 40
- **Drum Grooves:** 100 (from 10 unique music styles)
- **Metronome Settings:** 10 types
- **Connectivity:** USB (for software editing), EXT CTRL (for external footswitch)
- **Power Supply:** 9V DC (Corded Electric)
- **Dimensions:** 3.35 x 1.3 x 4.72 inches (8.5 x 3.3 x 12 cm)

- **Weight:** 1.21 pounds (0.55 kg)

WARRANTY AND SUPPORT

The FLAMMA FS21 comes with a one-year guarantee. For warranty claims, technical support, or further inquiries, please contact FLAMMA customer service or visit the official FLAMMA website.

Official User Manual (PDF): [Download PDF Manual](#)

FLAMMA Store: [Visit FLAMMA Store on Amazon](#)

© 2024 FLAMMA. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question