

This is a quick guide. For a more detailed manual, please enter www.flammainnovation.com to download.
If you need any help and tech support, please contact: info@flamma.shop



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Precautions Please read carefully before proceeding

Power Supply

Please connect the designated adapter to an AC outlet of the correct voltage, Please be sure the adapter supplies 9V DC 300mA,center negative.Unplug the adapter when not in use or during electrical storms.

Important Safety Instructions

1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. Do not use this apparatus near water
6. Clean only with a dry cloth
7. Do not install near any ventilation openings. Install in accordance with the manufacturer s instructions

8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparati (including amplifiers)that produce heat
9. 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 of the third prong are provided for your safety. If the provided plug does not fit into your outlet consult an electrician for replacement of the obsolete outlet
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point

FCC certification

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation

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Safety instructions

- Choking hazard due to swallowing of small parts, especially for children + Note on proper disposal of plastic covers and packaging to prevent choking hazard.
- Definition of intended use and notice that any other use, as well as use under other operating conditions, is considered improper use
- Disposal notice for packaging (recycling of packaging by sighting the correct method of disposal) and Waste Electrical Equipment notice which prescribes that the regulations in force in the customer's country must be observed with regard to the disposal of waste electrical equipment.
- Fire hazard due to incorrect polarity
- External power supply (does the voltage specification on the device match your power supply network, is there an earth leakage circuit breaker, disconnect the device from the network when not in use)
- Definition of operating conditions (indoor use, maintenance by specialized personnel)
- Possible damage from leaking batteries.

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Disposal instructions

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal house hold waste. Dispose of this product through an approved waste disposal firm or through your local waste facility.

Intended use

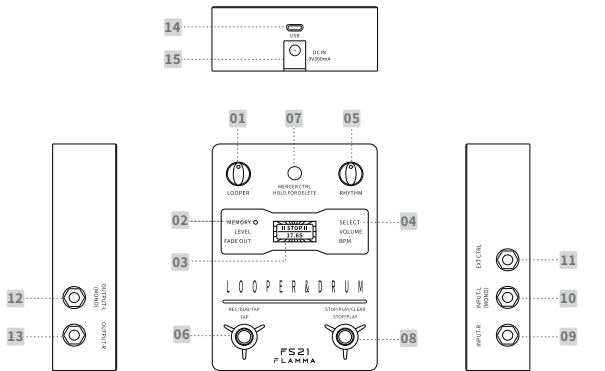
This device is intended to be used for sound processing of signals from musical instruments with electromagnetic pickups.

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
- The detail of recording is displayed by the progress bar on the screen
- Separate footswitch for controlling looper and drum machine
- Recording saved automatically, even after FS21 is powered off

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Panel



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- 01 **LOOPER**: LOOPER control. Select the position, volume level, and fade out time of the LOOPER
- 02 **LOOPER LED**: Indicates current LOOPER parameters
- 03 **Display Screen**
- 04 **RHYTHM LED**: Indicates current RHYTHM parameters
- 05 **RHYTHM**: RHYTHM control. Select the rhythm type, speed, and volume level of the RHYTHM setting
- 06 **Left Footswitch**: Control the Record, Dub and Playback in LOOPER mode; Tap tempo for RHYTHM
- 07 **MERGER CTRL**: Toggle LOOPER and drum machine to work independently or simultaneously. Hold to delete recorded tracks.
- 08 **Right Footswitch**: Control the Playback, Stop and Delete in LOOPER mode; Play/Stop for RHYTHM
- 09 **INPUT RIGHT**: MONO audio input jack
- 10 **INPUT LEFT**: MONO audio input jack. (Connect both LEFT and RIGHT input to set up stereo input)
- 11 **EXT CTRL**: External stereo footswitch jack
- 12 **OUTPUT LEFT**: Mono output jack
- 13 **OUTPUT RIGHT**: Mono output jack (Connect both output jacks to set up stereo output)
- 14 **USB**: Micro type-B USB. Connect to computer for editor software,import/export recorded files, perform factory reset
- 15 **DC IN**: Power supply, 9V 300mA negative inside.

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Specs

Algorithm	Maximum recording time of each track	4 minutes
	Maximum number of recording tracks in each slot	No limitation
Input	Input	
	Type	Two 1/4" unbalanced mono audio jacks
	Impedance	1Meg ohm
	Maximum Input Level	3 dBu
	A/D Conversion	
	Sampling Rate	44.1 kHz
	Sampling Accuracy	24 bit
	Dynamic	103 dB
	Frequency	20Hz~20KHz, +0 / -1 dB
Output	Output	
	Type	Two 1/4" unbalanced mono audio jacks
	Impedance	470 ohm
	Maximum Input Level	3 dBu
	A/D Conversion	
	Dynamic	106 dB
	Frequency	20Hz~20KHz, +0 / -1 dB
	USB	
Output	Type	Type-B Micro USB
	EXT CTRL	
	Type	1/4" TRS jack x 1
	Power Supply	DC 9V, 300mA
	Dimension	85mmX120mmX33mm
	Weight	0.367kg
Accessories	Safety Instruction & Warranty Card, Sticker, quick guide	

