

FLAMMA

FG200

INTELLIGENT COMBINED EFFECTS PEDAL

Owner's manual

Content

Important Notes	01-02
Performance Overview	03
Panel Description	04-06
Connecting Devices	07-08
Effect Modules	09-10
Operating Modes	11-12
Additional Functions	13-16
Tone Description	17-26
Technical Specifications	27

Important Notes

Please read carefully before use.

To prevent electric shock, short circuits, damage, fire, or other accidents caused by improper use, please strictly follow the basic precautions below. These precautions include but are not limited to the following. Please read carefully before operating:

Power Adapter

- Use a power adapter with the same specifications specified by the manufacturer, approved by relevant authorities, and compliant with local regulations (e.g., UL, CSA, VDE, CCC).
- Do not use the power adapter in damp environments.
- Regularly inspect the power adapter plug and cable for damage. Clean dust and dirt from the plug to avoid poor contact that may harm the product.
- Unplug the power adapter from the socket when not in use for an extended period or during thunderstorms.

Battery

- Do not turn on or charge the device when wet to avoid short circuits, electric shock, equipment failure, or fire.
- Use the designated charger to charge the battery to avoid leakage, overheating, malfunction, or explosion.
- Charge within the specified temperature range to prevent leakage, overheating, damage, or explosion due to high temperatures.
- To prevent accidents, do not charge in environments where flammable or explosive materials are stored. Ensure the power socket is accessible for immediate disconnection

in case of failure or emergencies.

- If the battery emits odors, abnormal sounds, or other issues during charging, stop charging immediately and contact after-sales service for inspection or repair.
- Do not disassemble or modify the battery yourself. Improper handling may cause equipment failure, chemical burns, or explosions. Contact after-sales service for maintenance.
- If battery leakage occurs, avoid contact with skin or eyes. If contact causes discomfort, seek medical attention promptly.
- To prevent fire or explosions, do not disassemble, crush, or throw the battery into fire or water. Do not use if the battery swells.
- Avoid using or storing the battery in high-temperature environments. Do not use the battery if it has been submerged in water.

Cleaning

- Do not use abrasive cleaning powders, alcohol, paint thinners, wax, solvents, detergents, or chemical agents to clean the surface, as they may damage the finish.

Placement

- Avoid prolonged exposure to direct sunlight.
- Keep the device away from heat sources.
- Do not store the device in excessively humid or dry environments for extended periods.

Performance Overview

- Equipped with seven effects modules: GATE, BOOST, AMP, CAB, MOD, DELAY, and REVERB.
- Includes 5 BOOST models, 52 AMP models, 16 CAB simulations, 12 MOD effects, 5 delays, and 5 reverb effects.
- Supports custom ambient light bar settings for color and footswitch indicator via the app.
- Supports third-party IR loading with 9 IR loading slots.
- Compatible with tone-sharing via the app.
- Offers two operation modes: LIVE and PRESET.
- Features 40 preset slots for saving settings.
- Includes a built-in drum machine with 40 common rhythm styles.
- Integrated tuner functionality.
- Supports stereo headphone output.
- Enables Bluetooth playback functionality.
- USB supports OTG recording.
- Powered by a built-in lithium battery for on-the-go use.
- Three-character digital display for precise parameter information.
- Compatible with FLAMMA mobile app and PC software.

Panel Description



01

Module Knob

Rotate to turn effects on/off, select types, and adjust parameters.

02

Footswitch Light Bar

Indicates the footswitch status and allows color customization through the app.

03

Screen

Displays mode status, preset information, and parameter values via a three-character digital display.

04

A, B, C, D Footswitches

Switch between LIVE and PRESET modes and perform various control functions. Refer to the detailed manual for full descriptions.

05

INPUT Jack

1/4"mono input for connecting instruments.

06

OUTPUT Jack

1/4"mono output for connecting to amplifiers, audio devices, or other pedals.

07

PHONES Jack

1/8"stereo headphone output.

08

USB-C Port

For charging (5V/2A) or connecting devices for OTG recording.

09

Battery and Charging Indicator

- Green/Yellow/Red light indicates battery level.
- Red flashing light means charging is needed.
- Solid red indicates charging in progress; solid green indicates full charge.

10

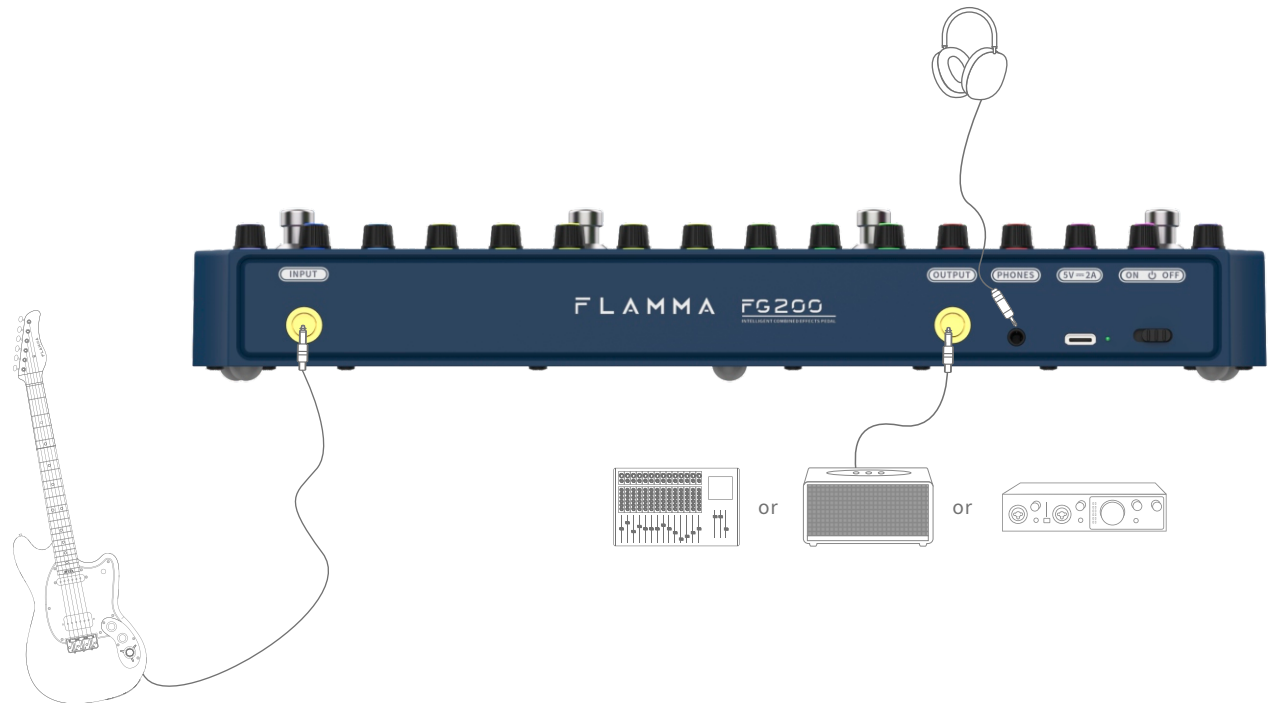
Power Switch

Slide to ON to power on, and OFF to power off.

Device Connections

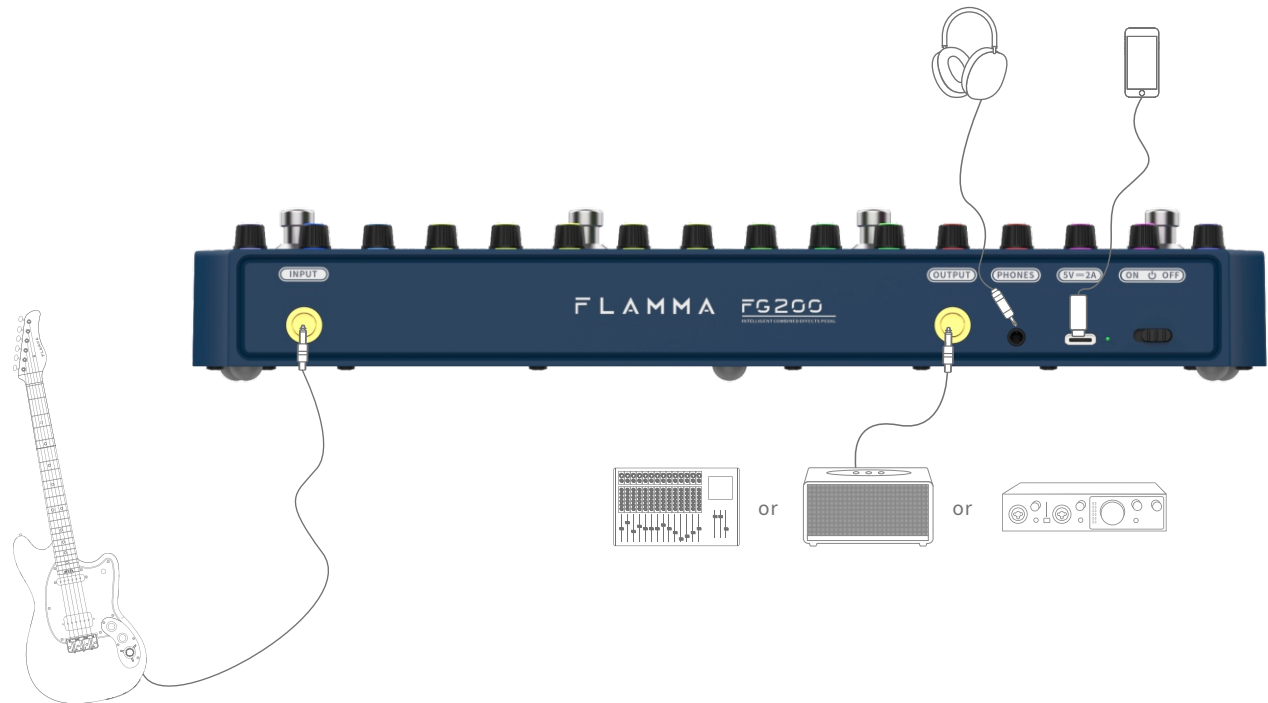
Standard Connection

Follow the diagram below to properly connect the device.



OTG Connection

Connect the device to a smartphone or tablet using a USB cable for OTG recording. Depending on the device's port type, an OTG adapter may be required. Adjust the OTG recording volume via the app. Monitoring is supported through the headphone or OUTPUT jack.



Effects Modules

GATE Module

Rotate the knob to turn the noise gate on/off or adjust the threshold. The screen displays precise threshold values (1–100).

BOOST Module

Rotate the knob to adjust the effect volume, providing up to 6dB of gain. The screen displays volume values (1–100). In LIVE mode, use footswitch D to toggle on/off.

AMP Module

Rotate the knob to turn on/off or switch amp models. The screen displays the model number (1–52).

GAIN Knob: Adjust gain. Screen displays precise values (1–100).

TREBLE Knob: Adjust high frequencies. Screen displays precise values (1–100).

MID Knob: Adjust mid frequencies. Screen displays precise values (1–100).

BASS Knob: Adjust low frequencies. Screen displays precise values (1–100).

VOL Knob: Adjust overall volume. Screen displays precise values (1–100).

CAB Module

Rotate the knob to turn on/off or switch cabinet types. The screen displays the selected cabinet model number (1–16) or third-party IR numbers (IR1–IR9).

MOD Module

Rotate the knob to select modulation effects. The screen displays the effect number (1–12). In LIVE mode, use footswitch C to toggle on/off.

RATE Knob: Adjust modulation rate. Screen displays precise values (1–100).

DELAY Module

Rotate the knob to select delay effects. The screen displays the effect number (1–5). In LIVE mode, use footswitch B to toggle on/off.

TIME Knob: Adjust delay time. Screen displays values from 40ms to 1 second.

REVERB Module

Rotate the knob to select reverb effects. The screen displays the effect number (1–5). In LIVE mode, use footswitch A to toggle on/off.

LEVEL Knob: Adjust reverb volume. Screen displays precise values (1–100).

MASTER Module

Adjust the master volume. Screen displays precise values (1–100).

Operation Modes

FG200 features two operation modes: LIVE mode and PRESET mode. The device defaults to PRESET mode upon startup. Switch between modes by pressing footswitches B + C simultaneously.

PRESET Mode In PRESET mode, the screen displays the letter “P” and the preset number. Use footswitches A/B/C/D to quickly switch between presets.



To navigate preset groups, press footswitch combinations A + B or C + D. Once the group is selected, press A/B/C/D to switch presets within the group. LED indicators show the active modules in the selected preset.

To save presets, press BANK +/- to choose the target group. The screen will flash to confirm selection. Press and hold any footswitch (A/B/C/D) to save. The light bar will flash rapidly to indicate successful saving.

LIVE Mode

In LIVE mode, the screen displays the letter "L" and the preset number. Each footswitch (A/B/C/D) independently controls a specific module. Non-footswitch-controlled effects can be adjusted via knobs. LED indicators show module status (on/off).

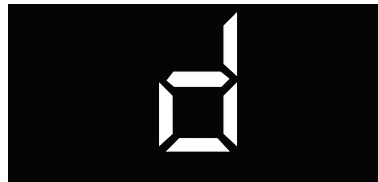


To save settings, edit the desired parameters (knobs will flash to indicate edits). Select the target group using BANK +/- and press and hold any footswitch (A/B/C/D). The flashing will stop, and the light bar will flash rapidly to confirm saving.

Additional Functions

Drum Machine

- Press and hold footswitches B + C until the screen displays the letter “d” to enter drum machine mode.
- Use footswitches A and B to switch drum types.
- Press footswitch C twice or more to set the BPM. The footswitch light will flash to indicate the BPM.
- Use footswitch D to turn the drum machine on/off.
- Press and hold footswitches B + C again to exit drum machine mode.



Tuner

In any mode, press and hold footswitches A + B to activate the tuner. The screen will display "—". Input a signal to see the tuning status on the screen. To exit tuner mode, repeat the same operation.



Flat: Displayed when pitch is too low.



Sharp: Displayed when pitch is too high.



Half-Step Up: Indicates tuning in semitone steps.



In Tune: Indicates accurate tuning.

Bluetooth Playback

Use the FLAMMA app to enable Bluetooth playback on the FG200. The Bluetooth indicator on the screen will flash during pairing. Connect your smartphone or other device via Bluetooth to FG200 for audio playback. Once connected, the indicator will remain solid. Disconnecting will turn the indicator off.



Bluetooth Disconnected



Bluetooth Disconnected

Note: Adjust Bluetooth audio volume on your smart device. The FG200's master volume knob only controls instrument output volume.

USB OTG Recording

Connect the FG200 to a mobile device using the included USB cable and an OTG adapter (sold separately).

Use the USB-C port for digital recording. Monitoring is supported via OUTPUT or headphone jacks.

Tone Descriptions

Boost Effects		
No.	Name	Description
1	Smooth Boost	Based on the Xotic AC Booster effect.
2	Clean Boost	Based on the Xotic RC Booster effect.
3	Gold Box	Based on the Klon Centaur Gold overdrive effect.
4	SCREAMER 808	Based on the Ibanez TS808 overdrive effect
5	ML ZONE	Based on the Boss Metal Zone distortion effect

Amplifier Models		
No.	Name	Description
1	F 65 Dlux	Based on Fender65 Deluxe Reverb preamp
2	F 65 Twin	Based on Fender65 Twin Reverb preamp
3	F 59 BSM	Based on Fender59 Bassman preamp
4	F Sonic 22	Based on Fender Super Sonic preamp
5	F Blues DLX CL	Based on Fender65 Blues Deluxe clean channel
6	F Blues DLX OD	Based on Fender65 Blues Deluxe overdrive channel
7	MRS J800	Based on Marshall JCM800 preamp
8	MRS J900	Based on Marshall JCM900 preamp
9	MRS Plexi 100	Based on Marshall Plexi100 preamp
10	MSBG MK III CL	Based on Mesa Boogie Mark III clean channel
11	MSBG MK III DS	Based on Mesa Boogie Mark III distortion channel
12	MSBG MK V CL	Based on Mesa Boogie Mark V clean channel
13	MSBG MK V DS	Based on Mesa Boogie Mark V distortion channel

Amplifier Models		
No.	Name	Description
14	MSBG Trirecti CL	Based on Mesa Boogie Triple Rectifier clean channel
15	MSBG Trirecti DS	Based on Mesa Boogie Triple Rectifier distortion channel
16	VX 30 CL	Based on Vox AC30 clean channel
17	VX 30 OD	Based on Vox AC30 overdrive channel
18	RLD J120	Based on Roland JC120 preamp
19	PV 5050 CL	Based on Peavey 5150 clean channel
20	PV 5050 DS	Based on Peavey 5150 distortion channel
21	EV 5050 CL	Based on EVH 5150 clean channel
22	EV 5050 DS	Based on EVH 5150 distortion channel
23	ANGL 650 CL	Based on Engl E650 clean channel
24	ANGL 650 DS	Based on Engl E650 distortion channel
25	ANGL Power CL	Based on Engl E645 clean channel
26	ANGL Power DS	Based on Engl E645 distortion channel

Amplifier Models		
No.	Name	Description
27	ANGL SN650 CL	Based on Engl E650 Blackmore Signature clean channel
28	ANGL SN650 DS	Based on Engl E650 Blackmore Signature distortion channel
29	Doctor Z 18JR	Based on Dr.Z MAZ 18 Junior preamp
30	Doctor Z Reck	Based on Dr.Z Wreck preamp
31	TK Falcun CL	Based on Tone King Falcon Rhythm preamp
32	TK Falcun OD1	Based on Tone King Falcon Tweed preamp
33	TK Falcun OD2	Based on Tone King Falcon Lead preamp
34	ORG Rock CL	Based on Orange Rockverb 100 clean channel
35	ORG Rock DS	Based on Orange Rockverb 100 distortion channel
36	ORG 30	Based on Orange AD 30 preamp
37	ORG 50	Based on Orange AD 50 preamp
38	JCT 100 CL	Based on Jet City 100H clean channel
39	JCT 100 OD	Based on Jet City 100H overdrive channel

Amplifier Models		
No.	Name	Description
40	HWT 103	Based on Hiwatt DR-103 preamp
41	T-RK Corall CL	Based on Two Rock Coral clean channel
42	T-RK Corall OD	Based on Two Rock Coral overdrive channel
43	T-RK Cadeff	Based on Two Rock Cadiff preamp
44	B-Star Club CL	Based on Black Star HT Club 50 clean channel
45	B-Star Club DS	Based on Black Star HT Club 50 distortion channel
46	SDN SL100 CR	Based on Soldano SLO 100 Crunch preamp
47	SDN SL100 DS	Based on Soldano SLO 100 distortion channel
48	KOC Power OD	Based on Koch Powertone II overdrive channel
49	KOC Power DS	Based on Koch Powertone II distortion channel
50	DIZ Hargen CL	Based on Diezel Hagen clean channel
51	DIZ Hargen OD	Based on Diezel Hagen overdrive channel
52	DIZ Hargen DS	Based on Diezel Hagen distortion channel

Cabinet Simulations		
No.	Name	Description
1	65 TR 212	Based on Fender 65 Twin Reverb 212 cabinet
2	BASSGUY 410	Based on Fender 59 Bassman 410 cabinet
3	COMBO 212	Based on Vox AC30 212 cabinet
4	1936 212	Based on Marshall 1936 212 cabinet
5	1960 412 A	Based on Marshall 1960A 412 cabinet
6	POWER 412	Based on Engl E412XXL 412 cabinet
7	SOLO 412	Based on Soldano Slant Classic 412 cabinet
8	FRYMAN 112	Based on Frideman Small Box 112 cabinet
9	FRYMAN 412	Based on Frideman 412 cabinet
10	ARCHEAN 212	Based on Paul Reed Smith Archon 212 cabinet
11	ARCHEAN 412	Based on Paul Reed Smith Closed Back 412 cabinet
12	CALI REC 412 A	Based on Mesa Boogie Rectifier STD OS Straight 412 cabinet
13	CITRUS 212	Based on Orange PPC 212 cabinet

Cabinet Simulations		
No.	Name	Description
14	CITRUS 412	Based on Orange PPC 412 cabinet
15	CUSTOM 412	Based on Custom Audio Amplifiers 412 cabinet
16	US CLASSIC 212	Based on peavey Classic 50 212 cabinet

Modulation		
No.	Name	Description
1	Phaser	Flowing phaser sound.
2	Step Phaser	based on square wave modulation.
3	Flanger	Dreamy flanger sound.
4	Jet Flanger	Flanger with a jet airplane effect.
5	Tremolo	Tremolo effect with cyclic volume changes.
6	Stutter Tremolo	Cyclic volume changes with a stuttering effect.
7	Vibrato	Cyclic pitch variation effect.
8	Rotary	Simulates a rotating speaker effect.
9	Analog Chorus	Classic analog chorus effect.
10	Multi Chorus	Modern multi-layered chorus effect.
11	Ring Modulator	Bell-like tone from ring modulation.
12	Filter	Modulated filter effect.

Delay		
No.	Name	Description
1	Digital Delay	Clear and precise signal reproduction.
2	Analog Delay	Warm delay effect from analog circuits.
3	Echo	Simulates natural room echo.
4	Tape Delay	Classic tape echo effect simulation.
5	Modulated Delay	Delay effect with modulated tones.

Reverb		
No.	Name	Description
1	Room	Simulates room-like reverberation characteristics.
2	Hall	Simulates hall-like reverberation characteristics.
3	Plate	Bright reverb effect from a metal plate simulation.
4	Spring	Vintage-style spring reverb effect.
5	Modulated Reverb	Reverb with modulated tonal characteristics.

Technical Specifications

Input:	6.35mm, 2M Ω
Output:	6.35mm, 100 Ω
Headphone Output:	3.5mm, 32 Ω
USB:	USB-C, for charging or OTG recording
Bluetooth:	Version 5.0
Battery:	2000mAh
Battery Life:	Up to 6 hours
Charging Time:	Approximately 2.5 hours
Charging Standard:	DC 5V/2A, supports USB-C to USB-A cables only
Impulse Response (IR)	

Format:	WAV
Sample Rate:	44.1kHz (supports importing full-sample-rate IR files)
Bit Depth:	24-bit
Sample Points:	512 points

Physical Specifications

Weight:	578g
Dimensions:	311mm × 67.5mm × 49.7mm
Included Accessories:	Quick Start Guide, USB Data Cable

FCC Warning 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.

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.