

FLAMMA

**FX20**

Portable intelligent Modeling  
Headphone Amps

**Owner's Manual**

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# Precautions

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## PLEASE READ CAREFULLY BEFORE PROCEEDING

### Power Supply

Please connect the designated AC adapter to an AC outlet of the correct voltage. Be sure only to use an AC adapter that supplies 9V DC, 500mA. Unplug the AC power adapter when not in use or during electrical storms.

### Location

To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:

- Direct sunlight or other heat sources
- Magnetic fields
- Excessively dusty or dirty locations
- Strong vibrations or shocks
- High humidity or moisture

### Radio Frequency Interference

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

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## **Cleaning**

Clean only with a soft, dry cloth. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, cleaning alcohol, paint thinners, wax, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

## **Operation**

- Please do not toggle the switch or rotate the knob heavily.
- Please do not let paper scraps, metal debris, or other items fall inside the unit.
- Please do not let the unit fall from a high level, or push or strike the unit heavily.

# Features

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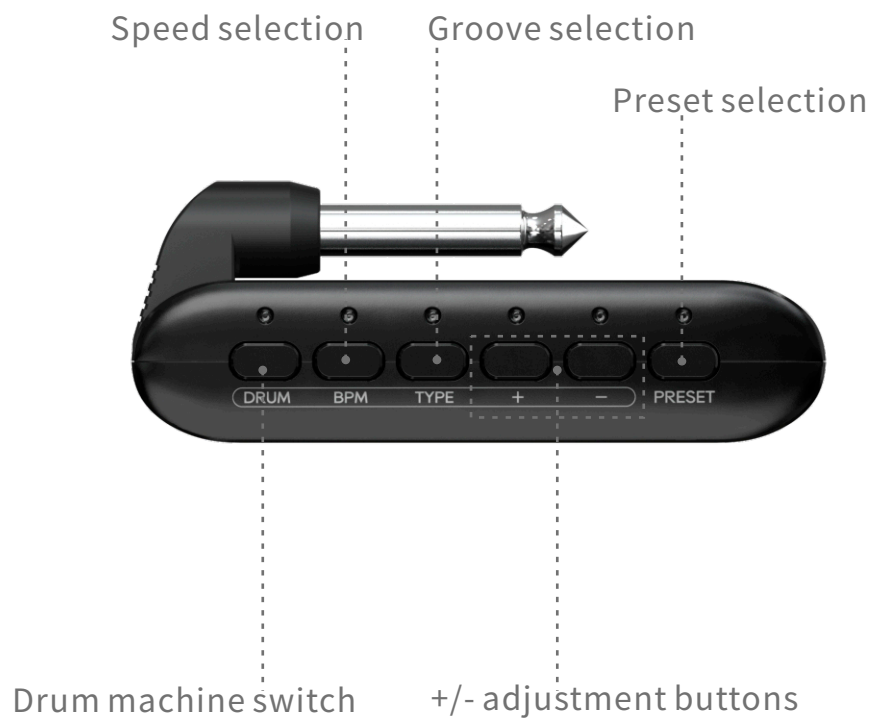
- 52 different amp models with individual saving function
- Includes 14 modulations, 5 delay effects, and 5 reverb effects
- 40 different drum groove options to select from
- Compatible with Bluetooth for audio playback
- Supports USB AUDIO recording and audio playback
- Cloud platform for preset downloading/sharing
- Specialized mobile App provide more possibilities (For FLAMMA App download please enter the FLAMMA official website, Playstore, or Appstore)

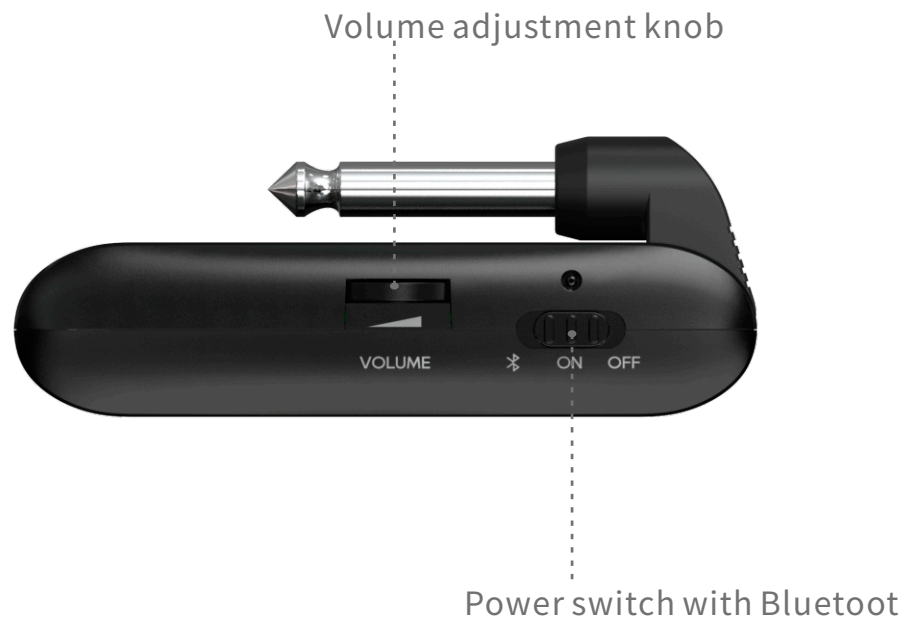
# Layout

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6.35mm instrument plug jack







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USB-C port



3,5mm output jack

# Instructions

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## 1. Start

Toggle the power switch to the ON position. The power indicator will illuminate and turn blue when the power is on. You can toggle the switch to the Bluetooth icon to turn on the Bluetooth Audio function.

## 2. Preset selection

Press the PRSET button to switch between preset A, B, C, and D in the current selected bank. The PRESET indicator will show as RED, BLUE, PURPLE, and GREEN for those preset patches correspondingly.

## 3. Volume level adjustment

Rotate the volume knob to turn Up/Down the output volume level.

## 4. Drum machine













### a. Turn On/Off the drum machine

Press the DRUM to turn On the drum machine. The DRUM indicator will show the On/off status of the drum machine; when the drum machine is On, press and hold the DRUM for a few seconds to turn it Off, and the DRUM indicator will be Off.

### b. Adjust drum machine volume level

When the drum machine is On, press the -/+ buttons to adjust the volume level of the drum machine. There are 10 volume levels, the color of the -/+ indicators will show the current volume level.

## Groove list









BUTTON	 (Low brightness)					 (High brightness)				
COLOR										
VALUE	1	2	3	4	5	6	7	8	9	10























### C. Adjust drum machine speed

When the DRUM is selected, press the DRUM several times to enter speed adjustment mode (the LED indicator will blink as BLUE). Press the -/+ buttons to adjust the speed via 1 BPM each time. Press and hold -/+ to increase or decrease the speed quickly. The speed of the drum machine ranges from 40 BPM to 260 BPM.

### D. Select drum machine type

Press the TYPE button to enter groove select mode, the TYPE indicator will be On, and the DRUM and BPM indicators will be Off. Press the -/+ buttons to select between 14 grooves. The -/+ indicators will switch colors or blinks to show different selected grooves. Users can access up to 40 grooves via the FLAMMA App for a complete experience.

Num.	LED Color	Rhythm	Beat
01	 	POP01	4/4
02	 	POP02	4/4
03	 	BULES01	4/4
04	 	BULES02	4/4

05	 	PUNK01	4/4
06	 	PUNK02	4/4
07	 	ROCK01	4/4
08	 	ROCK02	4/4
09	  (Blinks)	METAL01	4/4
10	  (Blinks)	METAL02	4/4
11	  (Blinks)	BALLAD01	4/4
12	  (Blinks)	BALLAD02	4/4
13	  (Blinks)	FUNK01	4/4
14	  (Blinks)	FUNK02	4/4
15	  (APP)	POP03	6/8

16	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	POP04	3/4
17	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	POP05	4/4
18	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	BULES03	4/4
19	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	BULES04	4/4
20	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	BULES05	6/8
21	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	PUNK03	4/4
22	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	PUNK04	4/4
23	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	PUNK05	6/8
24	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	ROCK03	4/4
25	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	ROCK04	4/4
26	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	ROCK05	6/8

27	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	METAL03	4/4
28	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	METAL04	3/4
29	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	METAL05	6/8
30	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	BALLAD03	4/4
31	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	BALLAD04	6/8
32	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	BALLAD05	3/4
33	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	FUNK03	4/4
34	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	FUNK04	4/4
35	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	FUNK05	4/4
36	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	JAZZ01	4/4
37	<input checked="" type="checkbox"/> <input type="checkbox"/> (APP)	JAZZ02	4/4

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38	<input checked="" type="checkbox"/> <input type="radio"/> (APP)	JAZZ03	4/4
39	<input checked="" type="checkbox"/> <input type="radio"/> (APP)	JAZZ04	3/4
40	<input checked="" type="checkbox"/> <input type="radio"/> (APP)	JAZZ05	3/4

**Notes: The drum machine has a saving function. It will recall the setting of the last time usage when you restart it.**



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## 5. Bluetooth audio

FX20 supports Bluetooth, allowing connecting to an external Bluetooth device for practice or performance. Below is the setup procedure:

- Toggle the power switch to BT ON to turn on the Bluetooth module.
- Open the Bluetooth menu of your smart device and select Pair new device
- Find the "FX20" device
- Confirm connection
- After pairing is complete, you can hear the audio tracks from the external Bluetooth device.

**Notes: To adjust the volume level of the playback tracks, please adjust it on your external Bluetooth device. The volume level knob of FX20 can only control the volume level of the guitar signal and drum machine.**

## 6. OTG (USB AUDIO) Recording /Playback

The USB port of the FX20 supports the USB AUDIO function. You can use the USB cable that comes with the device and connect to the OTG cable (which needs to be purchased separately) with your smartphone for recording or audio playback.

**Notes:**

- **The USB AUDIO function is for audio recording or playback on mobile devices for practice or direct recording on social media. However, it cannot take the place of the professional audio interface. A third-party ASIO driver is needed if you want to use the FX20 with the**

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DAW on your Windows device. It might be an incompatibility issue or a driver issue during use.

- To adjust the volume level of the playback tracks, please adjust it on your mobile device. The volume level knob of FX20 can only control the volume level of the guitar signal and drum machine.

## 7. Battery and Charging

When the battery is low, the power LED indicator will start to blink in blue, and the battery will run out in 30 minutes. Recommend to charge your device in time.

When the FX20 is Off for charging, the power indicator will illuminate and stay RED and turn GREEN when charging is complete. When the FX20 is charging, the power LED indicator will blink in BLUE and RED. then turn to GREEN and BLUE when charging is complete.

# Effect List

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AMP		
01	F 65 Deluxe	Based on the Fender65 Deluxe Reverb preamp module
02	F 65 Twin	Based on the Fender65 Twin Reverb preamp module
03	F 59 BSM	Based on the Fender59 Bassman preamp module
04	F Sonic 22	Based on the Fender Super Sonic preamp module
05	F Blues DLX CL	Based on the Fender65 Blues Deluxe preamp module clean channel
06	F Blues DLX OD	Based on the Fender65 Blues Deluxe preamp module overdrive channel
07	MRS J800	Based on the Marshall JCM800 preamp module
08	MRS J900	Based on the Marshall JCM900 preamp module
09	MRS Plexi 100	Based on the Marshall Plexi100 preamp module
10	MSBG MK III CL	Based on the Mesa Boogie Mark III preamp module clean channel
11	MSBG MK III DS	Based on Mesa Boogie Mark III preamp module distortion channel

12	MSBG MK V CL	Based on the Mesa Boogie Mark V preamp module clean channel
13	MSBG MK V DS	Based on Mesa Boogie Mark V preamp module distortion channel
14	MSBG Trirecti CL	Based on the Mesa Boogie Triple Rectifier preamp module clean channel
15	MSBG Trirecti DS	Based on the Mesa Boogie Triple Rectifier preamp module distortion channel
16	VX 30 CL	Based on Vox AC30 preamp module clean
17	VX 30 OD	Based on Vox AC30 preamp module overdrive
18	RLD J120	Based on the Roland JC120 preamp module
19	PV 5050 CL	Based on the Peavey 5150 preamp module clean channel
20	PV 5050 DS	Based on the Peavey 5150 preamp module distortion channel
21	EV 5050 CL	Based on the EVH 5150 preamp module clean channel
22	EV 5050 DS	Based on EVH 5150 preamp module distortion channel
23	ANGL 650 CL	Based on the Engl E650 preamp module clean channel

24	ANGL 650 DS	Based on Engl E650 preamp module distortion channel
25	ANGL Power CL	Based on the Engl E645 preamp module clean channel
26	ANGL Power DS	Based on Engl E645 preamp module distortion channel
27	ANGL SN650 CL	Based on Engl E650 Blackmore signature preamp module clean channel
28	ANGL SN650 DS	Based on Engl E650 Blackmore signature preamp module distortion channel
29	Doctor Z 18JR	Based on Dr.Z MAZ 18 Junior preamp module
30	Doctor Z Reck	Based on Dr.Z Wreck preamp module
31	TK Falcun CL	Based on the Tone King Falcon preamp module Rhythm channel
32	TK Falcun OD1	Based on the Tone King Falcon preamp module Tweed channel
33	TK Falcun OD2	Based on the Tone King Falcon preamp module Lead channel
34	ORG Rock CL	Based on the Orange Rockverb 100 preamp module clean channel
35	ORG Rock DS	Based on Orange Rockverb 100 preamp module distortion channel

36	ORG 30	Based on the Orange AD 30 preamp module
37	ORG 50	Based on the Orange AD 50 preamp module
38	JCT 100 CL	Based on the Jet City 100H preamp module clean channel
39	JCT 100 OD	Based on the Jet City 100H preamp module overdrive channel
40	HWT 103	Based on the Hiwatt DR-103 preamp module
41	T-RK Corall CL	Based on the Two Rock Coral preamp module clean channel
42	T-RK Corall OD	Based on the Two Rock Coral preamp module overdrive channel
43	T-RK Cadeff	Based on the Two Rock Cadiff preamp module
44	B-Star Club CL	Based on Black Star HT Club 50 preamp module clean channel
45	B-Star Club DS	Based on the Black Star HT Club 50 preamp module distortion channel
46	SDN SL100 CR	Based on the Soldano SLO 100 preamp module Crunch channel
47	SDN SL100 DS	Based on the Soldano SLO 100 preamp module distortion channel

48	KOC Power OD	Based on the Koch Powertone II preamp module overdrive channel
49	KOC Power DS	Based on the Koch Powertone II preamp module distortion channel
50	DIZ Hargen CL	Based on the Diezel Hagen preamp module clean channel
51	DIZ Hargen OD	Based on Diezel Hagen preamp module overdrive channel
52	DIZ Hargen DS	Based on Diezel Hagen preamp module distortion channel

<b>MOD</b>		
01	PHASER	Standard sine wave phaser effect
02	STEP PHASER	Based on the square wave phaser effect

03	ANA FLANGER	Standard analog flanger effect
04	JET FLANGER	Jet flanger effect
05	TREMOLO	Classic tremolo effect
06	STAMMER	Based on the square wave shutter effect
07	TREMOLO	Classic tremolo effect
08	VIBE ROTARY	Mimic the vibe rotary effect
09	Analog Chorus	Classic analog chorus effect
10	TRI CHORUS	Modern multi-chorus effect
11	RING	Ring sound modulation effect
12	Filter	Modulated filter effect
13	LOFI	The low sample rate effect
14	SLOW GEAR	Slow attack effect



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<b>DELAY</b>		
01	DIGHITAL	Clean and accurate digital reverb
02	ANALOG	Warm analog delay effect
03	REAL	Real echo delay effect
04	TAPE	Mimic the classic tape delay effect
05	MOD	Digital delay with modulation

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<b>REVERB</b>		
01	Room	Small-size room reverb
02	Hall	Large-size hall reverb
03	Plate	Bring metal plate reverb
04	Spring	Vintage spring reverb
05	Mod	Modulated reverb

# Specifications

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<b>Output:</b>	3.5mm stereo output
<b>Bluetooth function:</b>	Audio playback
<b>USB:</b>	USB-C port charging/OTG (USB audio)
<b>Battery Capacity:</b>	720mAh
<b>Battery Life:</b>	Up to 4 hours
<b>Charging Requirements:</b>	5V 1A
<b>Charging Time:</b>	Approximate 2.5 hours
<b>The angle of Plugin Jack:</b>	270°
<b>Dimensions:</b>	82mm (D) * 40mm (W) * 30mm (H)
<b>Weight:</b>	59g
<b>Accessories:</b>	Quick guide, USB-C cable