

User Manual

WORALL®

Cubic G
multi-effects guitar pedal

X

Cubic control
dual momentary foot switch

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Precautions

*** carefully review all instructions prior to first use***

Power Supply

- Use a power supply approved by relevant authorities and compliant with local regulations (e.g., UL, CSA, VDE, CCC).
- Use a power supply that meets the manufacturer's specified ratings.
- Unplug the power supply when not in use or during thunderstorms.
- Do not expose battery-containing products to excessive heat (e.g., avoid direct sunlight and keep away from fire sources).
- If battery leakage occurs, avoid contact with skin or eyes. If contact occurs, consult a physician.
- The battery included with this product may present a fire or chemical burn hazard if mishandled.

Placement

To prevent deformation, discoloration, and other serious damage, avoid the following conditions:

- Direct sunlight
- Dusty or unclean areas
- High temperature and humidity
- Strong vibration or shaking
- Near heat sources
- Magnetic fields
- Excessive moisture

Cleaning

When cleaning the unit, use a dry, soft, or slightly damp cloth. Do not use abrasive cleaning powders, alcohol, paint thinner, wax, solvents, detergents, or chemical reagents.

Operation

Do not use excessive force on switches and controls.

Do not allow paper scraps, metal objects, or other foreign matter to fall into the unit.

Do not drop the unit or subject it to impact or excessive pressure.

Do not modify this product without authorization.

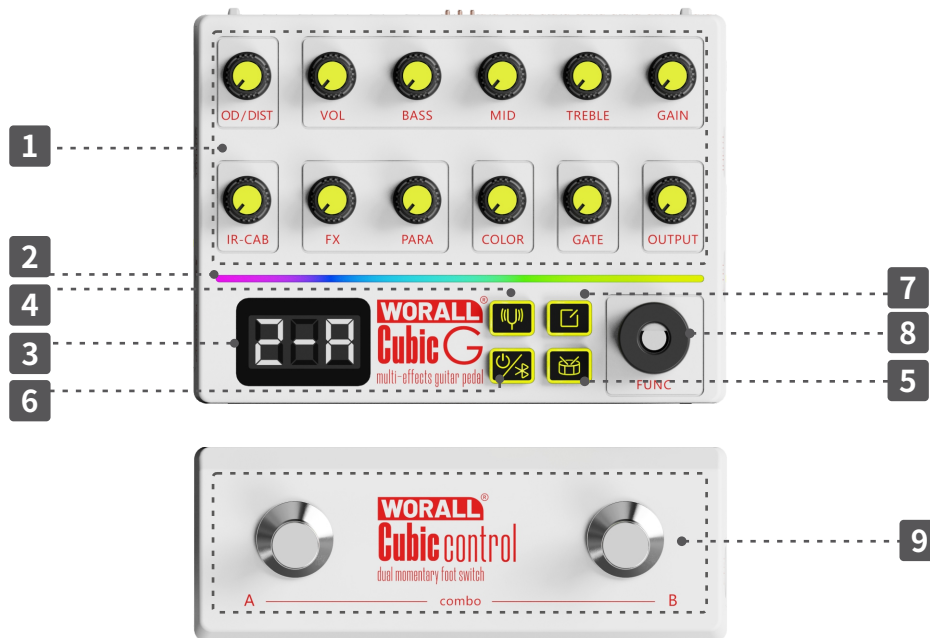
For all repairs, contact after-sales service.

Features

- Detachable, portable, lightweight body
- Built-in 8 Effect Blocks with 97 outstanding Effect Models
- Built-in 40 storable Preset slots
- Supports third-party IR files and AMP models loading with 20 storage slots
- Built-in Tuner and 40 Drum Machine patterns
- Dual-mode Bluetooth module with audio playback support
- Headphone output
- Built-in long-life rechargeable lithium battery
- USB OTG recording support
- USB connection to PC for dedicated editor software
- Bluetooth connection to mobile devices for dedicated APP

Panel Overview

Main Panel



Host - Controller

In addition to being connected via the magnetic attachment, the host and controller can also be separated and connected using a TRS cable.

- 1** **PARAMETER Knobs**
Adjust parameters for each Effect Block in the signal chain
- 2** **LED Bar**
Displays tuning status, input level, and other information
- 3** **LED Display**
Displays Preset number, note name, parameter values, Model number, and more
- 4** **TUNER Button**
Short press to enter Tuner
- 5** **DRUM Button**
Short press to enter Drum Machine mode
Long press to start/stop the Drum Machine
- 6** **Bluetooth/POWER Button**
Short press to toggle Bluetooth on/off
Long press to power on/off

7**EDIT Button**

Short press to enter Edit Mode

Long press to enter Save Mode

8**FUNC Knob**

In Play Mode, rotate to select a Preset; short press to switch FX block

In Edit Mode, rotate to select a Block; short press to enter Model selection;
long press to toggle the Block on/off

In Save Mode, rotate to switch save location

9**Footswitches**

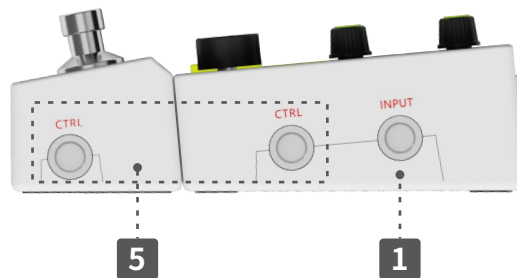
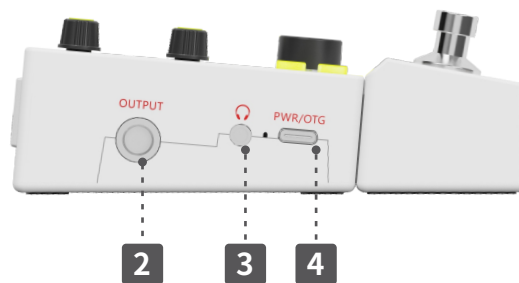
In Play Mode, short press A/B to switch Presets; long press A/B to switch Banks;

Short press A+B footswitches to enter Tuner

Long press A+B footswitches to enter Drum Machine

The controller can also be used to control other devices via a 6.35 mm TRS cable.

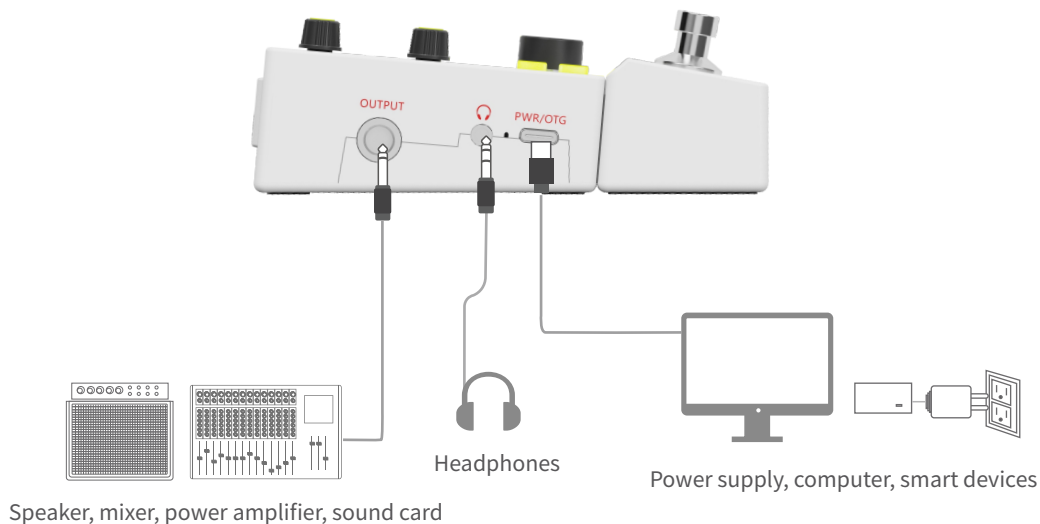
I/O Panel

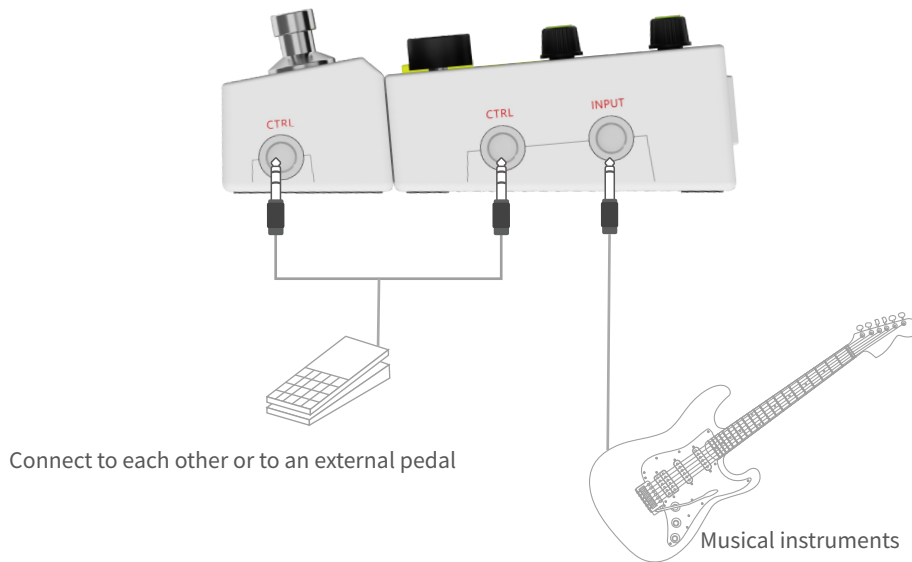


- 1 INPUT Jack**
1/4" instrument input jack.
- 2 OUTPUT Jack**
1/4" unbalanced output jack
- 3 Headphone Jack:**
1/8" stereo headphone output jack.
- 4 5V 2A USB-C Power/OTG Recording Port**
Use a compliant power adapter to supply power. Also supports PC connection for editor software and smart device connection for OTG digital recording.
- 5 CTRL Jack**
For connecting a detachable footswitch or an external expression pedal.

Connections

To prevent malfunction and equipment damage, turn down the volume and power off all devices before making connections. Connect a power adapter with the correct rating (5V 2A) to the power port, your instrument to the INPUT jack, and OUTPUT to an amp, audio interface, mixer, or other equipment.





Note: When OUTPUT is connected to a guitar amp's INPUT, it is recommended to turn off the AMP and CAB blocks.

When connected to a guitar amp's RETURN or a power amp, turn on AMP and turn off CAB.

When connected to FRFR speakers, turn on both AMP and CAB blocks.

Functions & Modes

Effects Overview

1. OD/DIST Knob

Adjusts the Level parameter of the OD/DIST block

2. AMP Knob

Adjusts parameters for the Amp block

VOL: Adjusts volume

BASS: Adjusts low frequencies

MID: Adjusts mid frequencies

TREBLE: Adjusts high frequencies

GAIN: Adjusts gain

3. CAB Knob

Adjusts the Volume parameter of the Cab block

4. FX Knob

Adjusts Mix and Rate/Time/Decay parameters for the Mod/Dly/Rev blocks

5. COLOR Knob

Adjusts Color block parameters — a single-knob multi-parameter EQ

6. GATE Knob

Adjusts the Threshold parameter of the Gate block

7. OUTPUT Knob

Adjusts the overall output volume

Play Mode

Cubic G defaults to Play Mode upon startup. In this mode

Switch Presets

Rotate the FUNC knob (clockwise to increase Preset number, counter-clockwise to decrease); short press footswitch A to go to a lower-numbered Preset, short press footswitch B to go to a higher-numbered Preset; long press footswitch A to switch to a lower-numbered Bank, long press footswitch B to switch to a higher-numbered Bank.

Select FX Block

Press FUNC to cycle through FX blocks in order: Mod — Dly — Rev.

Adjust Parameters

Rotate the top row knobs to adjust parameters; the display follows in real time. The specific FX block is indicated by knob LED color: Dly = white, Rev = blue, Mod = purple.

Edit Mode

In Play Mode, short press the EDIT button to enter Edit Mode. In this mode

Edit a Block

Rotate the FUNC knob to cycle through blocks in order:

OD/Dist — Amp — Cab — Mod — Dly — Rev — Color — Gate. Short press FUNC to select a block, then rotate to choose a Model (the display flashes the Model number). Press again to confirm. Long press FUNC to toggle the block on/off.

Adjust Parameters

Rotate the top row knobs to adjust parameters; the display shows the current parameter value.

Exit

Short press the EDIT button or operate a footswitch.

Save Mode

In Play Mode or Edit Mode, long press the EDIT button to enter Save Mode. In this mode

Select Save Location

Rotate the FUNC knob or operate the footswitches.

Execute Save

Long press the EDIT button. The button LED, all knob LEDs, LED bar, and display will flash rapidly to indicate a successful save, then return to Play Mode.

Exit

Short press the EDIT button.

Tuner

**In Play Mode, short press the TUNER button or A+B footswitches to enter Tuner.
In this mode**

Long press the TUNER button or A+B footswitches to switch between Mute/Bypass mode. Rotate the FUNC knob to adjust reference pitch, range: 435–445 Hz.

The display shows the note name; sharp is indicated by a dot (e.g., A·). The LED bar indicates tuning accuracy.

Exit

Short press the TUNER button or any footswitch.

Drum Machine

In Play Mode, short press the DRUM button or long press A+B footswitches to enter Drum Machine. Long press the DRUM button to play/stop. In this mode

Footswitch Functions

Short press footswitch A to play/stop. Press footswitch B repeatedly to tap tempo.

Parameter Adjustment

Short press the FUNC knob to cycle through Type / BPM / Volume. Rotate FUNC to adjust the selected parameter. Display ranges: Type = T01–T40, BPM = 040–260, Volume = 000–020.

Exit

Short press the DRUM button or long press A+B.

Bluetooth

Short press the Bluetooth button to enable Bluetooth for APP connection. When connected, the button LED stays lit; when not connected, the LED flashes. Short press again to turn off Bluetooth; the LED turns off.

Bluetooth Audio Playback

After enabling Bluetooth, find “Cubic G Audio” in the Bluetooth device list on your smartphone, tablet, or other smart device. Tap to connect and stream audio via Cubic G’s Bluetooth input.

OTG Recording

The USB port on Cubic G supports OTG recording and playback with smart devices.

How to Use

Connect to your smart device via a USB cable (an OTG adapter may be required, sold separately). Open a recording or video app on your smart device and start recording to begin OTG recording. The output signal gain for OTG can be adjusted in the APP's global settings.

Note: Please ensure your smart device supports OTG recording.

Tone Guide

Overdrive		
No.	Name	Tone Guide
1	Tube DR	Tube overdrive tone based on the B.K. Butler® Tube Driver
2	808	Overdrive based on the IBANEZ® TS808
3	MTL Zone	Distortion based on the BOSS® Metal Zone
4	MTL Master	Distortion based on the Digitech® Metal Master
5	Gold Clon	Overdrive based on the Klon® Centaur Gold

Noise Gate		
No.	Name	Tone Guide
1	Noise Gate	Three commonly used Noise Gate parameters. Adjust the effective Threshold first based on your current noise level, then fine-tune Attack and Release to suit your needs.

Amp Models		
No.	Name	Tone Guide
1	65 US DX	Based on the preamp of the Fender® '65 Deluxe Reverb
2	65 US TW	Based on the preamp of the Fender® '65 Twin Reverb
3	59 US BASS	Based on the preamp of the Fender® '59 Bassman
4	US SONIC	Based on the preamp of the Fender® Super-Sonic
5	US BLUES CL	Clean setting based on the preamp of the Fender® Blues Deluxe
6	US BLUES OD	Overdrive setting based on the preamp of the Fender® Blues Deluxe
7	J800	Based on the preamp of the Marshall® JCM800
8	J900	Based on the preamp of the Marshall® JCM900
9	PLX100	Based on the preamp of the Marshall® Plexi 100

No.	Name	Tone Guide
10	E560 CL	Clean setting based on the preamp of the Engl® E650
11	E560 DS	Distortion setting based on the preamp of the Engl® E650
12	POWER BELL CL	Clean setting based on the preamp of the Engl® Powerball E645
13	POWER BELL DS	Distortion setting based on the preamp of the Engl® Powerball E645
14	BLACKNIGHT CL	Clean setting based on the preamp of the Engl® Blackmore Signature
15	BLACKNIGHT DS	Distortion setting based on the preamp of the Engl® Blackmore Signature
16	MARKIII CL	Clean setting based on the preamp of the MESA/Boogie® Mark III
17	MARKIII DS	Distortion setting based on the preamp of the MESA /Boogie® Mark III
18	MARKV CL	Clean setting based on the preamp of the MESA/Boogie® Mark V

No.	Name	Tone Guide
19	MARKV DS	Distortion setting based on the preamp of the MESA /Boogie® Mark V
20	TRI REC CL	Clean setting based on the preamp of the MESA/Boogie® Triple Rectifier
21	TRI REC DS	Clean setting based on the preamp of the MESA/Boogie® Triple Rectifier
22	ROCK VRB CL	Clean setting based on the preamp of the Orange® Rockerverb
23	ROCK VRB DS	Distortion setting based on the preamp of the Orange® Rockerverb
24	CITRUS 30	Based on the preamp of the Orange® Ad30
25	CITRUS 50	Based on the preamp of the Orange® Or50
26	SLOW 100 CR	Crunch setting based on the preamp of the Soldano® SLO-100

No.	Name	Tone Guide
27	SLOW 100 DS	Distortion setting based on the preamp of the Soldano® SLO-100
28	DR.ZEE 18 JR	Based on the preamp of the DR. Z® Maz 18 Jr
29	DR.ZEE RECK	Based on the preamp of the DR. Z® Z-Wreck
30	JET 100H CL	Clean setting based on the preamp of the Jet City® JCA100H
31	JET 100H OD	Overdrive setting based on the preamp of the Jet City® JCA100H
32	JAZZ 120	Based on the preamp of the Roland® JC-120
33	UK30 CL	Clean setting based on the preamp of the VOX® AC30
34	UK30 OD	Overdrive setting based on the preamp of the VOX® AC30
35	HWT 103	Based on the preamp of the Hiwatt® DR-103
36	PV 5050 CL	Clean setting based on the preamp of the Peavey® 5150

No.	Name	Tone Guide
37	PV 5050 DS	Distortion setting based on the preamp of the Peavey® 5150
38	REGAL TONE CL	Rhythm setting based on the preamp of the Tone King® Falcon
39	REGAL TONE OD1	Tweed setting based on the preamp of the Tone King® Falcon
40	REGAL TONE OD2	Lead setting based on the preamp of the Tone King® Falcon
41	CAROL CL	Clean setting based on the preamp of the Two-Rock® Coral
42	CAROL OD	Overdrive setting based on the preamp of the Two-Rock® Coral
43	CARDEFF	Based on the preamp of the Two-Rock® Cardiff
44	EV 5050 CL	Clean setting based on the preamp of the EVH® 5150
45	EV 5050 DS	Distortion setting based on the preamp of the EVH® 5150

No.	Name	Tone Guide
46	HT CLUB CL	Clean setting based on the preamp of the Blackstar® HT Stage 100
47	HT CLUB DS	Distortion setting based on the preamp of the Blackstar® HT Stage 100
48	HUGEN CL	Clean setting based on the preamp of the Diezel® Hagen
49	HUGEN OD	Overdrive setting based on the preamp of the Diezel® Hagen
50	HUGEN DS	Distortion setting based on the preamp of the Diezel® Hagen
51	KOCHE OD	Overdrive setting based on the preamp of the Koch® Powertone
52	KOCHE DS	Distortion setting based on the preamp of the Koch® Powertone

Cab Models		
No.	Name	Tone Guide
1	US TWIN 212	Based on the Fender® '65 Twin Reverb 2x12 cab
2	US BASS 410	Based on the Fender® '59 Bassman 4x10 cab
3	BLUES 112	Based on the Fender® Blues Deluxe 1x12 cab
4	1960 412	Based on the Marshall® 1960A 4x12 cab
5	EAGLE P412	Based on the ENGL® Pro XXL 4x12 cab
6	REC 412	Based on the Mesa/Boogie® Rectifier Standard 4x12 cab
7	CITRUS 412	Based on the Orange® PPC412 cab
8	SLOW 412	Based on the Soldano® SLO 4x12 cab
9	DR.ZEE 212	Based on the DR. Z® Z-Wreck 2x12 cab
10	JAZZ 212	Based on the Roland® JC-120 2x12 cab
11	UK 212	Based on the VOX® AC30 2x12 cab

No.	Name	Tone Guide
12	HWT 412	Based on the Hiwatt® AP 4x12 cab
13	TWO STONES 212	Based on the Two-Rock® 2x12 cab
14	EV 5050 412	Based on the EVH® 5150 4x12 cab
15	HT 412	Based on the Blackstar® HTV 4x12 cab
16	GAS STATION 412	Based on the Diezel® Hagen 4x12 cab

EQ		
No.	Name	Tone Guide
1	Custom EQ	3-band EQ with customizable frequency points

Modulation		
No.	Name	Tone Guide
1	PHASER	Standard sine-wave phaser based on the MOOER® Ninety Orange
2	STEP PHASER	Square-wave step phaser
3	FAT PHASER	Phaser with enhanced low-end response
4	FLANGER	Flanger based on the MOOER® E-Lady
5	JET-FLANGER	Flanger based on the MOOER® Jet Flanger
6	TREMOLO	Volume tremolo based on the MOOER® Trelicopter
7	STUTTER	Square-wave volume tremolo
8	VIBRATO	Standard pitch vibrato
9	PITCH SHIFT	Pitch shifter based on the dry signal
10	DETUNE	Character effect layering a slightly detuned signal on top of the dry pitch

No.	Name	Tone Guide
11	ROTARY	Classic rotary speaker emulation
12	ANA-CHORUS	Classic analog chorus

Delay		
No.	Name	Tone Guide
1	DIGITAL	Pristine digital delay — every repeat is a clean reproduction of the played signal
2	ANALOG	Digitally recreates the warm, smooth character of analog circuit delay
3	REAL	Recreates the echo of a real physical space
4	TAPE	Emulates the classic tape echo tone
5	MOD	Delay with added modulation on the repeats

Reverb		
No.	Name	Tone Guide
1	ROOM	Recreates the ambience of a small room
2	HALL	Recreates the sound of a large hall with rich diffusion and longer decay time
3	CHURCH	Even larger church reverb with extended decay time
4	PLATE	Bright plate reverb
5	SPRING	Vintage spring reverb

***Note: All manufacturer and product names mentioned in this list are the property of their respective owners and are used here solely to describe the types of effects and tones modeled by this product.**

Specifications

Input:	6.35 mm (1/4"), 2 M Ω
Output:	6.35 mm (1/4"), 100 Ω
USB:	USB-C, for PC editor software or OTG recording
Power Input:	DC 5V / 2A. Charging supports USB-C to USB-A cable only.
Bluetooth:	5.0
Impulse Response (IR)	
Format:	WAV
Sample Rate:	44.1 kHz (supports importing IR files at any sample rate)
Bit Depth:	24-bit
Sample Points:	512 pts
Operating Temperature:	0°C ~ 60°C
Weight:	276 g
Dimensions:	L 110 mm × W 123 mm × H 40 mm

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.

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Cubic control

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www.worall.com