

**MOOER**

The logo for the MOOER GE 200 amplifier. It features a black rectangular background. On the left side, there are two parallel red diagonal lines. To the right of these lines, the text "GE 200" is written in a large, white, sans-serif font. Below the "GE 200" text, there are two horizontal white lines.

**GE 200**

Amp modelling & Multi Effects

**Owner's Manual**

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# PRECAUTIONS

## PLEASE READ CAREFULLY BEFORE PROCEEDING

### Power Supply

Please connect the designated AC adapter to an AC outlet of the correct voltage. Please be sure to use only an AC adapter which supplies 9V DC( $\pm 10\%$ ),  $\oplus$ — $\ominus$ , center negative. Unplug the AC power adapter when not in use or during electrical storms.

### Connections

Always turn off the power of this and all other equipment before connecting or disconnecting, this will help prevent malfunction and / or damage to other devices. Also make sure to disconnect all connection cables and the power cord before moving this unit.

### 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.

### Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference.

Operate this unit at a suitable distance from radios and televisions.

### Location

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

- Direct sunlight
- Heat sources
- Magnetic fields
- Extreme temperature or humidity
- Excessive dusty or dirty location
- High humidity or moisture
- Strong vibrations or shocks

### FCC certification

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

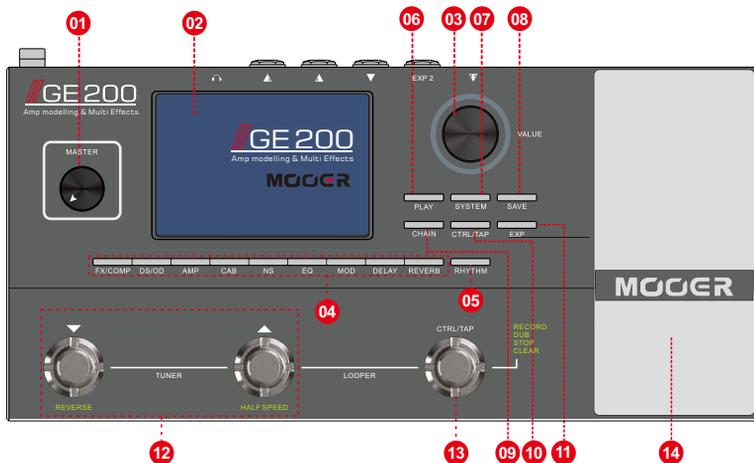
- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.



# MAIN FEATURES

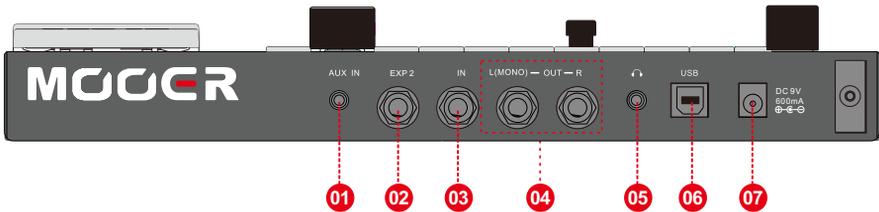
- 55 high quality amplifier models
- 26 built-in speaker cab models and added support for 3<sup>rd</sup> party IR cab models
- 70 high quality effects. Including Compressors, drives, noise gates, eq's, modulation, pitch, filters, delays and reverbs
- 52 second looper with half speed and reverse effects
- Drum machine with 40 drum patterns and 10 metronome rhythms
- Store and recall up to 200 User presets
- Adjustable signal chain lets you arrange the internal effects how you like
- USB connectivity for PC editing and direct audio recording to computer
- Auxiliary input and dedicated headphone output for audio playback and totally immersive practice sessions

# LAYOUT



- 01 **MASTER:** Adjusts the master volume output of GE 200
- 02 **LCD DISPLAY**
- 03 **VALUE:** Used to navigate menu screens and adjust parameters
- 04 **EFFECT BLOCKS:** Access edit screen and ON/OFF for respective effect modules
- 05 **RHYTHM:** Access edit screen and ON/OFF for Drum machine and metronome
- 06 **PLAY:** Enter preset menu screen
- 07 **SYSTEM:** Enter system settings menu
- 08 **SAVE:** Access preset save menu
- 09 **CHAIN:** Enter signal chain menu screen
- 10 **CTRL/TAP:** Enter settings menu for CTRL/TAP footswitch
- 11 **EXP:** Enter settings and calibration menu for expression pedals (EXP/EXP2)
- 12 **▼ and ▲ FOOTSWITCHES**
  - Preset DOWN and UP in PLAY menu and CHAIN menu
  - Press both simultaneously to enter/exit TUNER
  - REVERSE and HALF SPEED when using LOOPER
- 13 **CTRL/TAP FOOTSWITCH**
  - Press and hold to switch between TAP and CTRL mode
  - In TAP mode (flashes) Press and release multiple times to control Tap Tempo
  - In CTRL mode (Solid colour) Press to toggle assigned effects blocks on/off
  - Press to confirm preset selection in footswitch mode 2
- 14 **EXPRESSION PEDAL:** Can be setup to control various parameters and functions in real time.  
Go to the EXP settings and calibration menu to setup

# REAR PANEL



## 01 AUX IN

Connect an external audio source such as an mp3 player or mobile phone using a 1/8" stereo jack cable. This will allow you to playback music through your GE200

## 02 EXP 2

Connect an external expression pedal using a 1/4" stereo jack cable. Go to the EXP settings and calibration menu to setup.

## 03 IN

Connect your instrument using a 1/4" jack cable

## 04 OUT

These are your main audio outputs for Ge200.  
Connect to the L output when using a mono setup.  
Connect to both L and R outputs for true stereo output.

## 05 HEADPHONES

Connect your headphones to this output for practice or for monitoring when using the GE200 as a soundcard

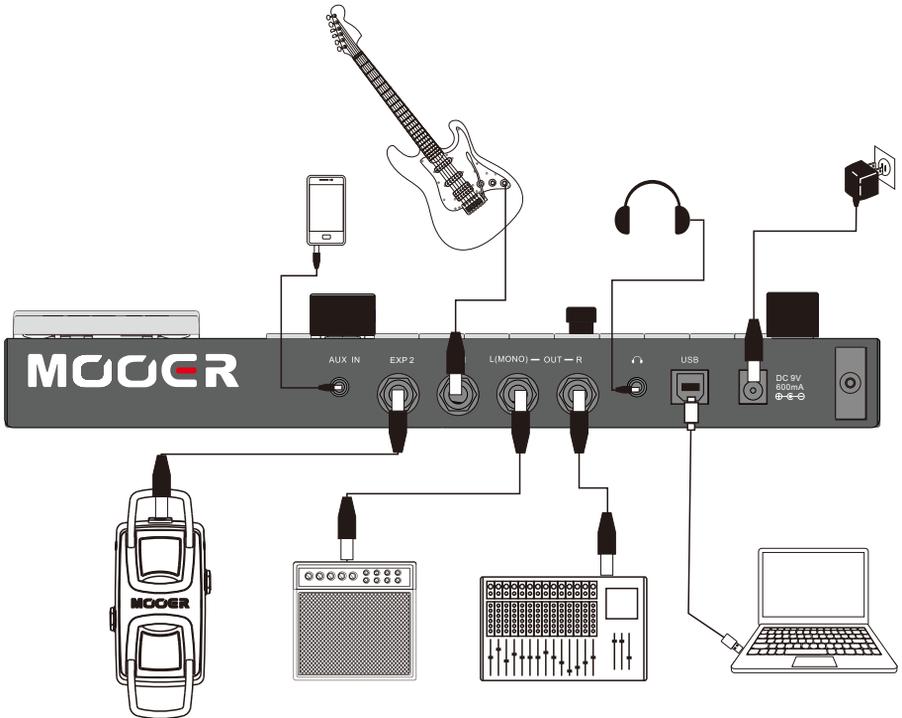
## 06 USB

Connect a USB cable to a PC computer for direct recording, software updates or preset editing using the dedicated editor software.

## 07 DC 9V

Connect to a 9V DC power source

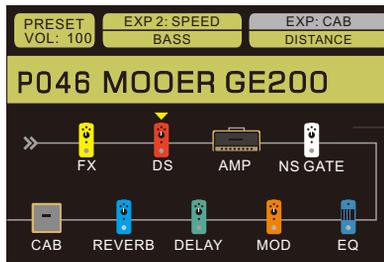
# QUICK TOUR



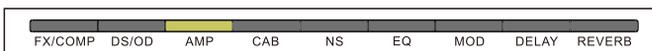
- Connect the GE200 up to your desired equipment
- Connect your guitar to the INPUT jack
- Connect the power



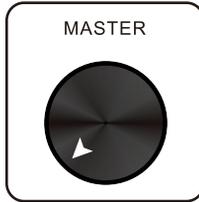
- Press the PLAY button to enter the PLAY screen
- Press the ▼ or ▲ footswitches to change the preset



- Press the CHAIN button to enter the CHAIN SCREEN
- Use the VALUE control to edit the order of your effects blocks



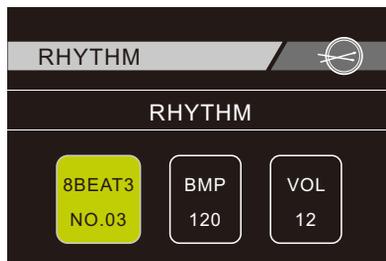
- Press the effects block dedicated button to turn the block on/off
- Use the VALUE control to adjust the effects block settings



- Use the MASTER control to adjust the output volume of GE200



- Press the CTRL/TAP footswitch to toggle assigned effects blocks on/off or control the tap tempo
- Press and hold the CTRL/TAP footswitch to change its function

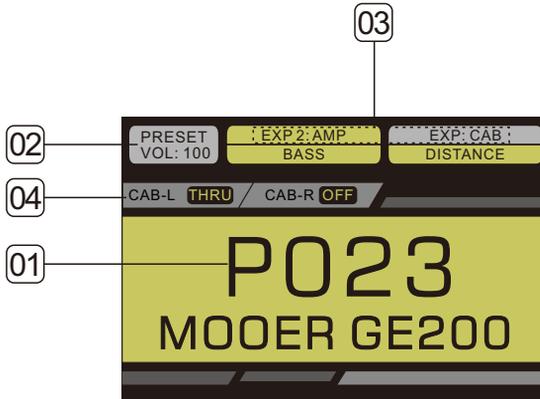


- Press the RHYTHM button to switch the drum machine on/off
- Use the VALUE control to change pattern speed and volume
- You can also use the CTRL/TAP footswitch to control the tempo

# PLAY

This is the live operation screen for GE200. After setting up and organising your presets, go to this screen to use the GE200 in a live situation. Press the PLAY button to navigate to this screen.

When in PLAY the screen will display various information about your current preset



1. Preset name and number
2. Preset volume
3. EXP and EXP 2 functions and parameters
4. CAB SIM on/off status for each output

Press the ▼ and ▲ footswitches to change the preset down and up . Presets can also be navigated quickly by rotating the VALUE control knob.

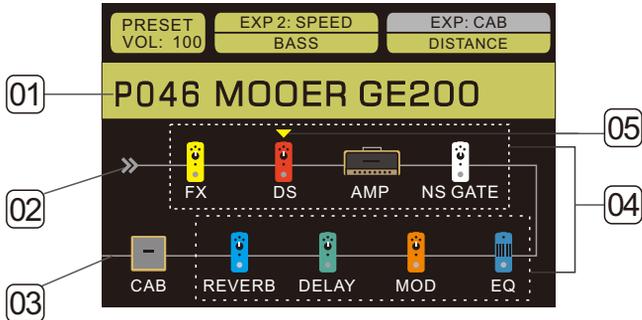
Press the VALUE control knob to toggle between “preset selection” and “preset volume”.

To adjust the PRESET volume

- Press the VALUE control knob until the preset volume is highlighted
- Rotate the VALUE control knob to adjust the volume
- Don't forget to save the preset to keep your changes!!!

# CHAIN

This screen displays the signal chain of your currently selected preset along with the on/off status of each effect block. It also allows you to edit the signal chain of the effects within your presets. We recommend using this screen when setting up and programming a new preset.



1. Preset name and number
2. Signal chain input
3. Signal chain output
4. Effects blocks
5. Cursor

Changing the order of your effects blocks within the signal chain will make a big difference to how they sound, just like a traditional pedalboard and amp rig.

To change the order of your effects blocks,

- Rotate VALUE to move the Cursor
- Press VALUE to 'pickup' the selected effects block (the Cursor will turn red)
- Rotate VALUE to relocate the effect block to your desired position in the signal chain
- Press VALUE to 'drop' the selected effect block and confirm the new location (the Cursor will turn back to yellow)

# EFFECTS BLOCKS

There are 9 effects blocks in GE200, each with a dedicated button on the front panel.

**FX/COMP:** Compressors and wah wah pedals

**DS/OD:** Distortion and Overdrive pedals

**AMP:** Amplifier models

**CAB:** Speaker cabinet models

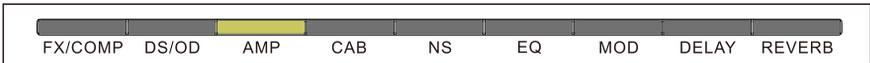
**NS:** Noise Suppressors

**EQ:** Equalization models

**MOD:** Modulation and Filter effects

**DELAY:** Delay pedals

**REVERB:** Reverb models



Press an effects block button to toggle it on/off and enter it's settings page



In the effect block settings page you can change the effect model and adjust all of it's parameters

- Rotate the VALUE control to highlight a parameter
- Press the VALUE control to select that parameter
- Rotate the VALUE control to adjust the parameter
- Press the VALUE control to confirm

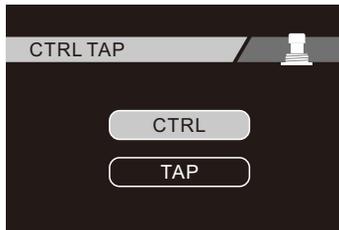
# CTRL/TAP

The CTRL/TAP footswitch has 2 main functions

- **CTRL:** Toggle assigned effects blocks on/off
- **TAP:** Tap the footswitch multiple times to control the tempo of your delays

To switch between these two functions press and hold the CTRL/TAP footswitch for a second

Press the CTRL/TAP button to enter the setup screen for the CTRL/TAP footswitch. Use the VALUE control to select one of the two options.



- Select TAP to make the default function of the CTRL/TAP footswitch “TAP TEMPO” within the preset
- Select CTRL to assign effects blocks to be switched on/off using the CTRL/TAP footswitch



Use the VALUE control to highlight and select which effects blocks you wish to assign to be switchable using the CTRL/TAP footswitch.

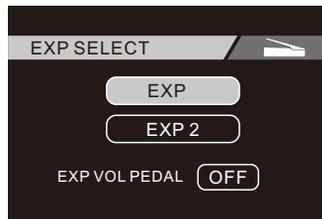
**CTRL/TAP** footswitch is also used to confirm preset selection when using FOOTSWITCH MODE 2 (see the settings menu)

# EXP

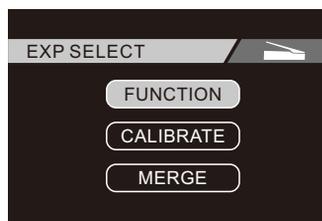
GE200 has a built-in expression pedal (EXP) and the facility to support a second external expression pedal (EXP2). To use an external expression pedal with GE200, connect it to the EXP2 input using a TRS stereo jack cable.

Both EXP and EXP2 can be assigned to control any effect parameter in any of the 9 effects blocks.

Both expression pedals can be calibrated and setup in the EXP menu.

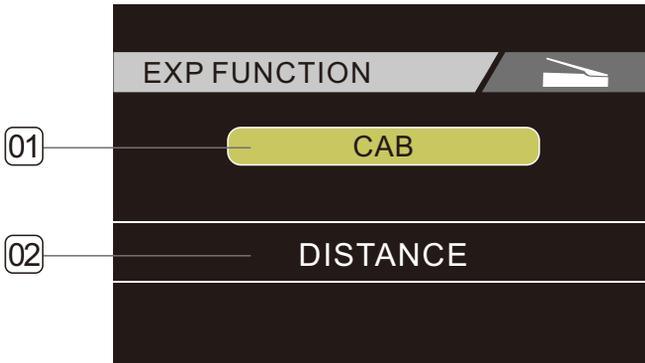


- **EXP:** Setup and calibrate the built-in EXP pedal
- **EXP2:** Setup and calibrate the external EXP2 pedal
- **EXP VOL PEDAL ON/OFF:** Activating this will assign the EXP pedal to behave like the MASTER volume control when the assigned function is not active. This setting is saved per individual preset.



- **FUNCTION:** Assign an effect parameter to the expression pedal
- **CALIBRATE:** Calibrate the expression pedal
- **MERGE:** Assign MERGE as the expression pedals function (Refer to the MERGE section of this manual for more details)

# EXP FUNCTION



1. Select the effect block by rotating the VALUE control
2. Select the parameter by rotating the VALUE control  
Press the value control to toggle between effect block and effect parameter selection

*Please note: Any parameter marked with an ★ will also allow you to turn the effect block on/off when activating the EXP pedal. WAH ★ POSITION ★ for example*

# EXP CALIBRATE



1. Set the pedal in the heel down position and press the VALUE control to confirm



2. Set the pedal in the toe down position and press the VALUE control to confirm



3. Set the pedal in the toe down position and apply forward pressure. Whilst applying forward pressure, press the VALUE control to confirm. This will set the sensitivity of the EXP pedals toe down activation switch

# MERGE

MERGE is a special function which allows you to control multiple parameters from any effects blocks and set the parameter value end points for both heel down and toe down positions. This can be used in many ways, but it's very good for blending seamlessly between two different sounds or having advanced control over special effects.

In this example we will show you how to control DELAY time, feedback and level simultaneously with the EXP pedal, using the MERGE function.

Activate EXP pedal and set in the heel-down position after assigning the MERGE function from the EXP settings menu. You must set up each parameter value one at a time.



(Heel down)



- Open the DELAY effects block by pressing the DELAY button
- Set the EXP pedal in the heel down position
- Select the LEVEL parameter and set it to a value of 15
- Do not press the VALUE control again yet.....



(Toe down)



- Set the EXP pedal in the toe down position
- Change the LEVEL parameter value to 60.  
(The box surrounding LEVEL will change colour)
- You can now control LEVEL between these two set value points using the EXP pedal
- Press the VALUE control to confirm and prepare to assign your next parameter



- Repeat steps 1 and 2 for the F.BACK with a value of 50 in the heel down position and 10 in the toe down position
- Repeat steps 1 and 2 for the TIME with a value of 300ms in the heel down position and 1200ms in the toe down position



(Heel down)



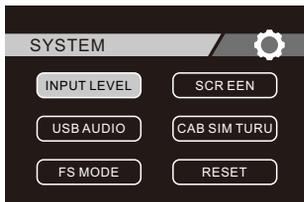
(Toe down)



Now try moving the EXP back and forth and you will see how all of the assigned parameters simultaneously move between their set end points. HAVE FUN!!!!

# SYSTEM SETTINGS

Enter the system settings menu using the SYSTEM button. In this menu you will find various global settings which can be used to setup your Ge200.



**INPUT LEVEL:** Adjust the INPUT gain level

**USB AUDIO:** Configure the USB AUDIO outputs

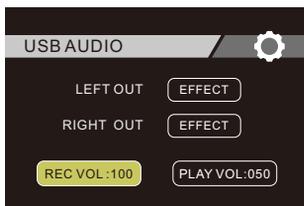
**FS MODE:** Change the FOOTSWITCH MODE

**SCREEN:** Adjust the brightness level of the display screen

**CAB SIM THRU:** Assign CAB simulation to outputs

**RESET:** Reset GE200 to factory settings and view current system firmware version

## USB AUDIO



### USB AUDIO OUTPUTS

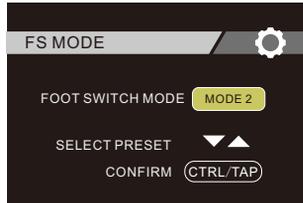
- **DRY:** Outputs your unaffected instrument signal and bypasses the signal processing
- **EFFECT:** Outputs the fully processed signal from GE200

**REC VOL:** Adjusts the level of the digital audio sent to your computer

**PLAY VOL:** Adjusts the level of the monitor (playback) volume of GE200

# FS MODE

GE200 has two different footswitch modes. These modes depict how the footswitches can be used to change presets.



## MODE 1:

Press ▼ or ▲ footswitch to change preset down or up

Press and hold ▼ or ▲ footswitch to quickly scroll through multiple presets

## MODE 2:

Press ▼ or ▲ to select the preset you wish to change to

Press CTRL/TAP footswitch to confirm the selection and change the preset

# CAB SIM THRU

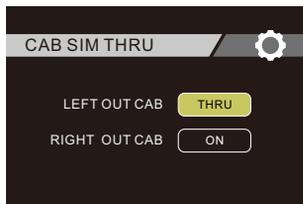
The speaker cabinet simulation in GE200 can be configured to affect various output combinations.

This can be useful in various situations.

*For example,*

You may wish to connect the LEFT output of GE200 to your on-stage amplifier with CAB SIM disabled.

Whilst connecting the RIGHT output of GE200 direct to the PA system with the CAB SIM enabled.

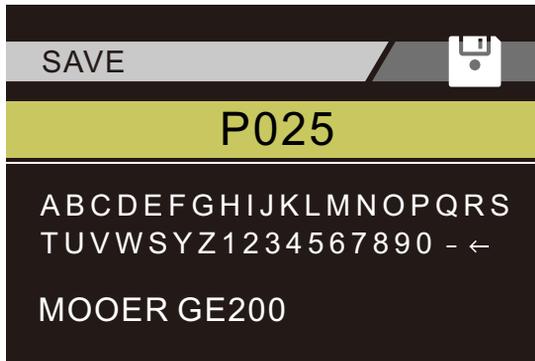


**ON:** The CAB SIM is enabled for this output

**THRU:** The CAB SIM is disabled for this output

# SAVING PRESETS

Press the SAVE button to save your current preset

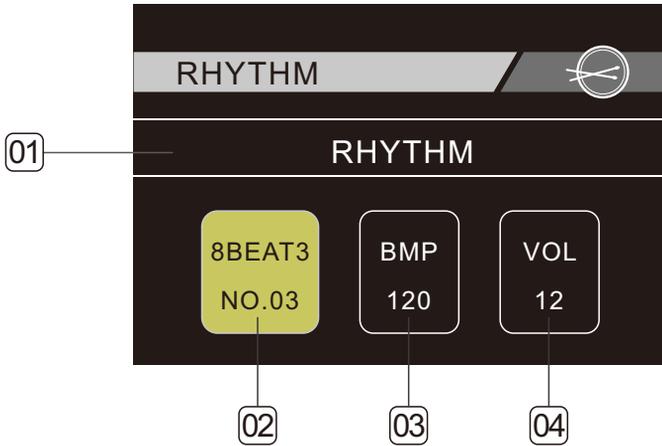


- Rotate VALUE to select preset space
- Press VALUE to enter preset name
- Press the SAVE button to confirm
- Press PLAY or CHAIN buttons to exit without saving

# RHYTHM

Ge200 has a built in RHYTHM module with 40 drum machines and 10 Metronome styles for you to use when practicing.

Press the RHYTHM button to toggle this module on/off and enter it's edit screen.



1. Select between RHYTHM (drum machine) or METRONOME
2. Select pattern style
3. Adjust the RHYTHM speed
4. Adjust the RHYTHM playback volume

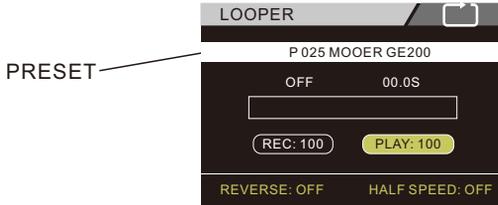
**CTRL/TAP** footswitch can be used to tap the tempo of the drum machine



# LOOPER

GE200 has an integrated 52 second looper, complete with special effects.

Press the ▲ and CTRL/TAP footswitches simultaneously to access the looper screen



You can use the VALUE control to adjust the following parameters

**PLAY:** Playback volume of the looper

**REC:** Recording level of the looper

**PRESET:** Current Preset



Use the footswitches to control the looper

## CTRL/TAP

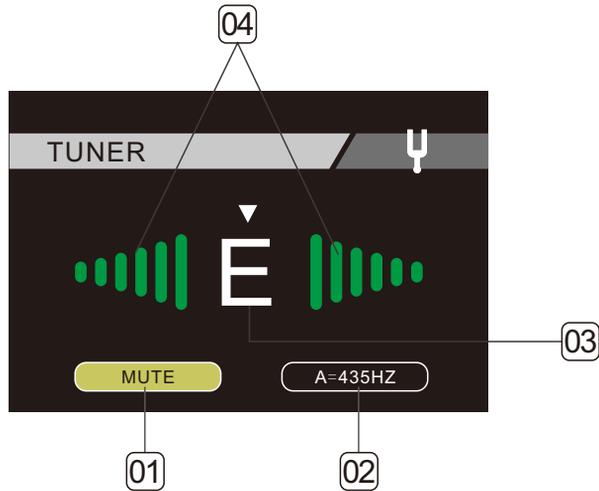
- Press once to begin recording, playback and overdub
- Double press to stop
- Press and hold to clear the current loop from memory

▼: Press to toggle REVERSE effect on/off

▲: Press to toggle HALF SPEED on/off

# TUNER

Press ▼ and ▲ footswitches simultaneously to enter/exit the guitar tuner in GE200



1. MUTE/BYPASS the audio signal
2. Tuner calibration
3. Nearest Note
4. Displays red when the note is flat or sharp  
Displays green when the note has achieved the correct pitch

# USB

GE200 can be connected to a windows PC via USB for direct recording, software updates or preset editing using the dedicated editor software

The screenshot displays the GE 200 software interface. At the top left, the text "GE 200" is visible. To the right are buttons for "SAVE", "IMPORT", "EXPORT", and "OPTION". The main area features a preset name "P004: 5150CORE" and a "PRESET VOL" of 100. Below this, an "EFFECT" dropdown is set to "CRY WAH". A series of sliders are shown with their respective values: Q (73), POSITION (100), PEAK (24), and MAS (67). On the left, there are two sections for cabinet selection: "CAB-L ON" with "EXP: CAB" and "DISTANCE" buttons, and "CAB-R THRU" with "EXP2: AMP" and "BASS" buttons. The signal path is visualized with icons for FX (YELLOW COMB), DS/OD (CRUNCHER), AMP (5350), and CAB (4X12). Below the signal path are five effect blocks: REVERB (GATE), DELAY (DELAY), EQ (5 BANKEQ), MOD (FLANGER), and NS GATE (ROOM). On the right, a "PRESET LIST" shows a scrollable list of presets, with "P004: 5150CORE" highlighted. The "MOOER STUDIO" logo is in the bottom right corner.

Download the PC software and more information on using this device as a soundcard from [www.moeraudio.com](http://www.moeraudio.com)

# SPECIFICATIONS

**NO.of Effect Types:** 151

**Preset :** 200

**Input:** 1/4" mono audio jack

**Output:** 1/4" mono audio jack

**AUX IN:** 1/8" stereo audio jack

**Headphone out:** 1/8" stereo audio jack

**EXP2 :** 1/4" stereo jack cable

**Sampling rate:** 44.1K

**Sampling accuracy:** 24bit

**Signal to noise ratio:** 98dB

**Impulse Response :**

**Format:** WAV

**Sampling rate:** 44.1K Hz (Full Sampling rate supported)

**Sampling accuracy:** 24bit

**Samples:** 512

**Power requirements:** 9V DC 600mA ⊕ ⊖ ⊖

**Dimensions:** 297mmX145.5 mmX45.5 mm

**Weight:** 1.4Kg

**Accessories:** Owner's Manual, AC adapter 9V DC, USB CABLE

# MODEL

FX/COMP		
MODEL NAME		BASED ON
1	CRY WAH	DUNLOP GCB95
2	535 WAH	DUNLOP Crybaby 535Q
3	AUTO WAH	MOOER @WAH
4	TALK WAH AH	MOOER RedKid Talk wah 'AH'
5	TALK WAH OH	MOOER RedKid Talk wah 'OH'
6	TOUCH WAH	MOOER ENVELOPE auto-wah
7	YELLOW COMP	MOOER YELLOW COMP compressor
8	BLUE COMP	MOOER BLUE COMP compressor

DS/OD		
MODEL NAME		BASED ON
1	TUBE DR	B.K. Butler Tubedrive
2	808	IBANEZ Ts808
3	PURE BOOST	MOOER PURE BOOST
4	FLEX BOOST	MOOER FLEX BOOST
5	DDRIVE	BARBER Direct Drive
6	BLACKRAT	ProCo Rat
7	GREY FAZE	Dunlop Fuzz Face
8	MUFFY	EH Big Muff
9	MTL ZONE	BOSS METAL ZONE
10	MTL MASTER	Digitech METAL MASTER
11	OBSESSIVE DIST	Fulltone OCD
12	JIMMY OD	Paul Cochrane Timmy OD
13	FULL DRV	Fulltone Fulldrive 2
14	SHRED	Marshall Shred master
15	BeeBee PRE	Xotic BB Preamp
16	BeeBee +	Xotic BB Plus
17	RIET	Suhr Riot
18	TIGHT DS	Amptweaker TightRock
19	FULL DS	Fulltone GT-500
20	GOLD CLON	Klon Centaur

\*NOTES: All product name called their company, here is only used in this product simulation effect of tone types.

AMP		
	MODEL NAME	BASED ON
1	65 US DX	Fender 65 Deluxe reverb
2	65 US TW	Fender 65 Twin Reverb
3	59 US BASS	Fender 59 Bassman
4	US SONIC	Fender Super Sonic
5	US BLUES CL	Fender Blues Deluxe clean channel
6	US BLUES OD	Fender Blues Deluxe
7	J800	Marshall JCM800
8	J900	Marshall JCM900
9	PLX 100	Marshall Plexi 100
10	E650 CL	Engl E650 Clean
11	E650 DS	Engl E650 Distortion
12	POWERBELL CL	Engl E645 Clean
13	POWERBELL DS	Engl E645 Distortion
14	BLACKNIGHT CL	Engl EN650 Blackmore Clean
15	BLACKNIGHT DS	Engl EN650 Blackmore Distortion
16	MARKIII CL	Mesa Boogie MARK III Clean
17	MARKIII DS	Mesa Boogie MARK III Distortion
18	MARKV CL	Mesa Boogie MARK V Clean
19	MARKV DS	Mesa Boogie MARK V Distortion
20	TRI REC CL	Mesa Boogie Triple Rectifier Clean
21	TRI REC DS	Mesa Boogie Triple Rectifier Distortion
22	ROCK VRB CL	Orange Rockerverb Clean
23	ROCK VRB DS	Orange Rockerverb Distortion
24	CITRUS 30	Orange AD 30
25	CITRUS 50	Orange OR 50
26	SLOW 100 CR	Soldano SLO-100 Crunch
27	SLOW 100 DS	Soldano SLO-100 Distortion
28	DR.ZEE 18 JR	DR.Z Maz18 Jr
29	DR.ZEE RECK	DR.Z Z-Wreck
30	JET 100H CL	Jet City JCA100H Clean
31	JET 100H OD	Jet City JCA100H Distortion
32	JAZZ 120	Roland JC-120
33	UK30 CL	Vox AC30 Clean
34	UK30 OD	Vox AC30 Overdriven
35	HWT 103	Hiwatt DR-103
36	PV 5050 CL	Peavey 5150 Clean
37	PV 5050 DS	Peavey 5150 Distortion
38	REGAL TONE CL	Tone King Falcon Rhythm
39	REGAL TONE Od1	Tone King Falcon Tweed
40	REGAL TONE Od2	Tone King Falcon Lead
41	CAROL CL	Two Rock Coral Clean
42	CAROL OD	Two Rock Coral Overdriven
43	CARDEFF	Two Rock Cardiff
44	EV 5050 CL	EVH 5150 Clean
45	EV 5050 DS	EVH 5150 Distortion
46	HT CLUB CL	Blackstar HT Stage 100 Clean
47	HT CLUB DS	Blackstar HT Stage 100 Distortion
48	HUGEN CL	Diezel Hagen Clean
49	HUGEN OD	Diezel Hagen Overdrive
50	HUGEN DS	Diezel Hagen Distortion
51	KOCHE OD	Koch Powertone Overdrive
52	KOCHE DS	Koch Powertone Distortion
53	ACOUSTIC 1	Acoustic simulator 1
54	ACOUSTIC 2	Acoustic simulator 2
55	ACOUSTIC 3	Acoustic simulator 3

\*NOTES: All product name called their company, here is only used in this product simulation effect of tone types.

CAB		
MODEL NAME		BASED ON
1	US DLX 112	Fender Deluxe reverb 112
2	US TWN 212	Fender Twin reverb 112
3	US BASS 410	Fender Bassman 410
4	SONIC 112	Fender Super Sonic 112
5	BLUES 112	Fender Blues deluxe 112
6	1960 412	Marshall 1960A 412
7	EAGLE P412	Engl Pro XXL 412
8	EAGLE S412	Engl Vintage XXL 412
9	MARK 112	Mesa Boogie Mark 112
10	REC 412	Mesa Boogie Rectifier 412
11	CITRUS 412	Orange Pc412
12	CITRUS 212	Orange Pc212
13	SLOW 412	Soldano SLO 412
14	DR.ZEE 112	DR.Z Maz 112
15	DR.ZEE 212	DR.Z Z-Wreck 212
16	JAZZ 212	Roland JC120 212
17	UK 212	Vox AC30 212
18	HWT 412	Hiwatt Ap412
19	PV 5050 412	Peavey 5150 412
20	REGAL TONE 110	Tone King Falcon 110
21	TWO STONES 212	Two Rock 212
22	CARDEFF 112	Two Rock 112
23	EV 5050 412	EVH 5150 412
24	HT 412	Blackstar HTV 412
25	GAS STATION 412	Diezel Hagen 412
26	ACOUSTIC 112	1 x 12" cabinet for acoustic amplification

NS		
MODEL NAME		BASED ON
1	NOISE KILLER	MOOER NOISE KILLER
2	INTEL REDUCER	MOOER Intelligent Noise Reduction
3	NOISE GATE	MOOER Digital noise gate

\*NOTES: All product name called their company, here is only used in this product simulation effect of tone types.

EQ		
MODEL NAME		BASED ON
1	MOOER G	5 band graphic EQ for guitar
2	MOOER HM	5 band graphic EQ for BASS guitar
3	MOOER G-6	6 band graphic EQ for Guitar
4	CUSTOM EQ	3 band parametric EQ with adjustable frequencies and $\pm 12\text{Db}$ boost/cut

MOD		
MODEL NAME		BASED ON
1	PHASER	Based on the MOOER NINETY ORANGE
2	STEP PHASER	Square wave phase shifter
3	FAT PHASER	Low frequency phase shifter
4	FLANGER	Based on the MOOER E-LADY
5	JET-FLANGER	Based on the MOOER JET FLANGER
6	TREMOLO	Based on the MOOER TRELICOPTER
7	STUTTER	Choppy cut off filter
8	VIBRATO	Pitch modulation
9	PITCH SHIFT	Dry signal pitch shifter. Can simulate classic whammy.
10	DETUNE	Fine tune pitch adjustment
11	ROTARY	Simulates a vintage leslie rotating speaker
12	ANA-CHORUS	Stompbox style analog chorus
13	TRI-CHORUS	Rich multi stage chorus
14	RING MOD	Ring modulator
15	Q-FILTER	Static notch filter (like a half cocked wah pedal)
16	HIGH PASS	Static high frequency pass filter
17	LOW PASS	Static low frequency pass filter
18	SLOW GEAR	Auto volume swell
19	LOFI	Low rate sampling filter

\*NOTES: All product name called their company, here is only used in this product simulation effect of tone types.

DELAY		
MODEL NAME		BASED ON
1	DIGITAL	Recreates the crystal-clear repeats of the 80's delay units
2	ANALOG	Modelled after classic stompbox delays with BB chips
3	DYNAMIC	Digital Delay which responds to instrument dynamics
4	REAL	Realistic and natural echoe
5	TAPE	Recreates swirly 70's tape echo
6	MOD	Digital Delay with modulated repeats
7	REVERSE	Backwards delay
8	DUAL DELAY	2 delays with independent controls
9	PINGPONG	Stereo delay

REVERB		
MODEL NAME		BASED ON
1	ROOM	Small room reverb
2	HALL	Large room reverb
3	CHURCH	Huge room reverb
4	PLATE	Studio style plate reverb
5	SPRING	Classic spring reverb tank
6	MOD	Reverb with modulation
7	CAVE	Spacious and atmospheric reverb

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**MOOER**

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