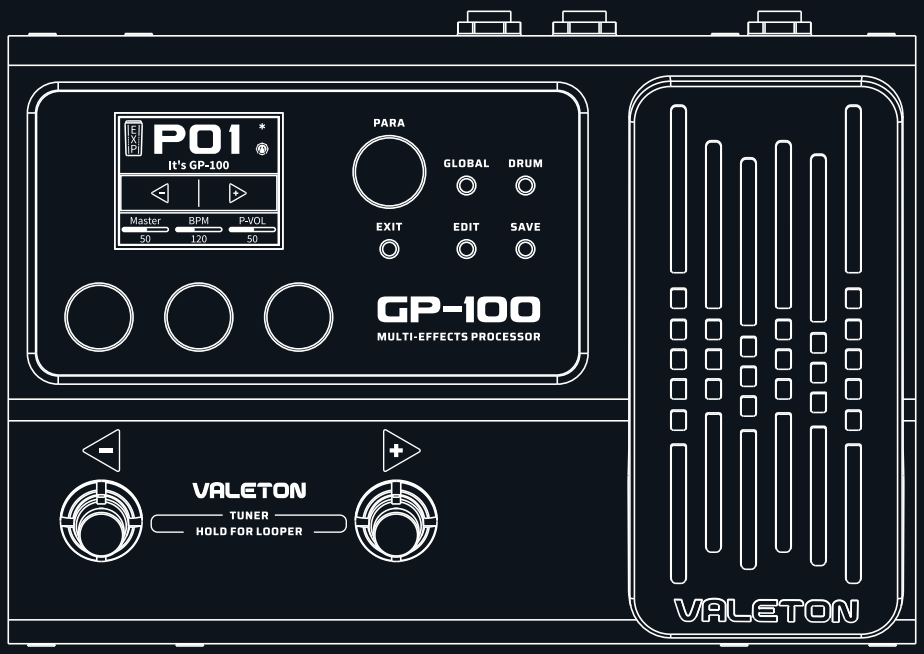
GP-100

MULTI-EFFECTS PROCESSOR

USER'S MANUAL

For Firmware V1.2



VALETON

The contents of this manual are subject to change without notice.

TABLE OF CONTENTS

WELCOME

Thank you for purchasing a VALETON product.
Please read this manual carefully to get the most out of your GP-100.
Please keep this manual for future reference.

ATTENTION

Handling

- Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately.
- Do not block any of the ventilation openings.

Keep away from heat sources.

- Disconnect the unit during storms to prevent damage.
- Operation of this unit within significant electromagnetic fields should be avoided.

Connecting the power and input/output jacks

Always turn OFF the power to the unit and all other equipment before connecting or disconnecting any cables. Also make sure to disconnect all connection cables and the AC adapter before moving the unit.

Cleaning

Clean only with a dry cloth.

Alterations

- Do not open the unit.
- Do not attempt to service the unit yourself.
- Opening the chassis for any reason will void the manufacturer's warranty.

AC Adapter Operation

Always use a DC9V center negative 500mA AC adapter. Use of an adapter other than that specified could damage the unit or cause malfunction and pose a safety hazard. Always connect the AC adapter to an AC outlet that supplies the rated voltage required by the adapter.
UNPLUG THE UNIT DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.

Malfunction

If the unit should malfunction, disconnect the AC adapter and turn the power OFF immediately. Then, disconnect all other connected cables.
Prepare information including the model name, serial number, specific symptoms related to the malfunction, your name, address and telephone number and contact the store where you bought the unit, or contact VALETON support (info@valeton.net) .

Thank you for choosing a VALETON product!

OVERVIEW

The GP-100 is a compact, high performance guitar multi-effects processor. It offers a potent effects processing platform and complete feature set, so you can improve your skill and experiment with different guitar effects, all with one simple-to-use, portable device.

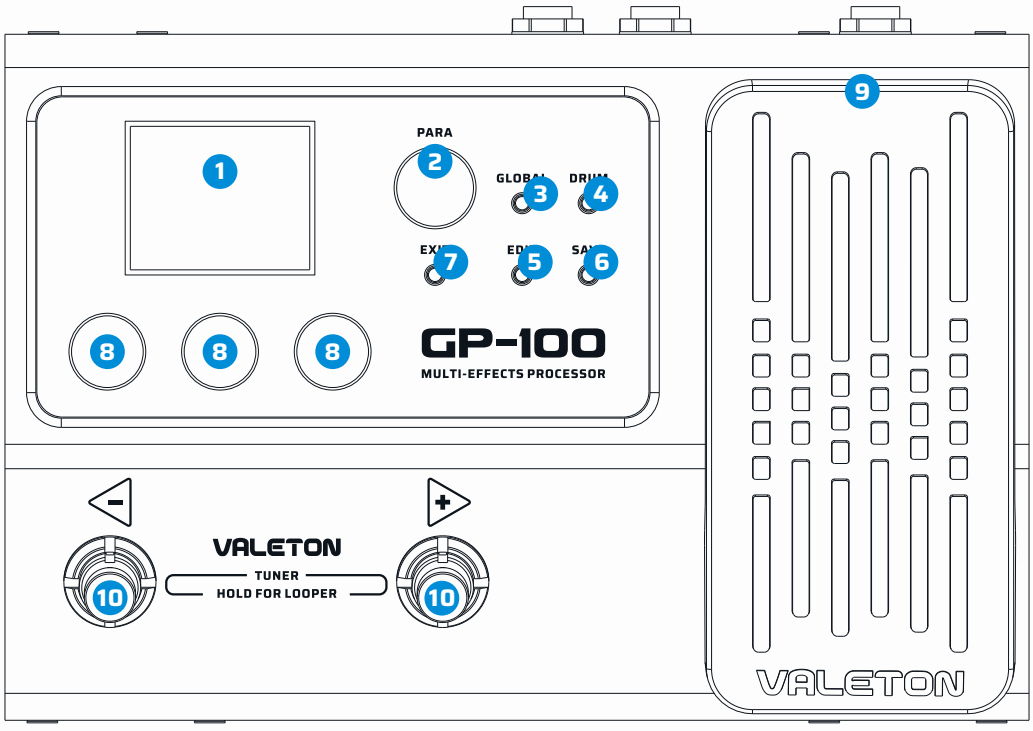
The GP-100 has 150 effects to choose from and allows you to run 9 effects simultaneously. It provides an Expression Pedal which can be assigned to the effect you want to control for real-time effect changes or master volume. The 99 included factory presets let you jump right in, and 99 user presets allow you to store all your favorite effects.

The built-in tuner gets your guitar in tune. The built-in drum machine and aux input jack set you up to play along with a drum loop, metronome, or your favorite music.

Whether you're a beginner or an old guitar freak, the GP-100's got it all to let you have at it!

PANEL INTRODUCTION

Top Panel



1. LED Display
This display shows GP-100's the patch numbers, patch name, and other operation information.

2. PARA knob (with enter button)
Turning or pressing this knob allows you to change menus and adjust parameters.

3. GLOBAL button
Press this button to enter the global setting menu, where you can edit the global parameters of the GP-100.

4. DRUM button
Press this button to play the drum. Hold this button to enter the Drum Machine Edit menu, where you can edit the drum parameters (style, rhythm, and volume). In the Drum Machine Edit menu, press the DRUM button or the PARA knob to turn the drum machine on / off.

5. EDIT button
In any menu, press this button to enter the Edit Settings menu.

6. SAVE button
Use this button to store, rename, and copy the preset. Whenever a preset is modified, the LCD display will show a "*" symbol to indicate that the parameter has been changed. Confirm to save the changed parameter.

7. EXIT button
In any menu, press this button to return to the main interface.

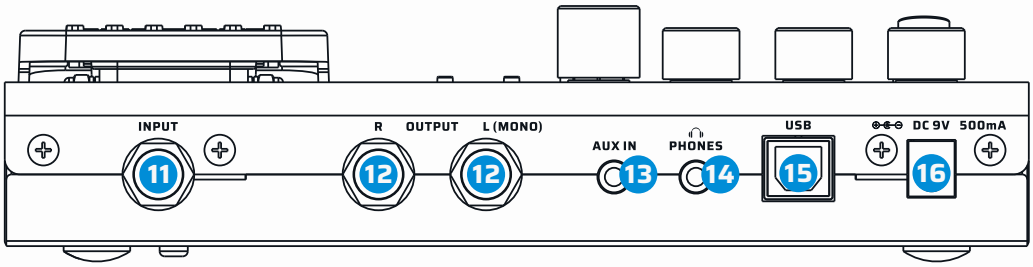
8. Quick Access Knobs
Use to adjust parameters on the lower part of the screen. Each knob will vary in function according to the parameter on the display.

9. Expression Pedal
Use to control the parameter of one or several effects, including output volume.

10. Footswitch
These footswitches are used for controlling the tuner, preset scrolling, start/stop/record phrases, and other functions. Their function will depend on the footswitch mode you are currently using.

PANEL INTRODUCTION

Rear View



11. INPUT Jack
1/4" mono audio jack, for connecting guitar.

12. OUTPUT L/OUTPUT R Jack
1/4" TRS output interfaces can be configured for mono or stereo operation. Use them to connect to a single guitar speaker, a pair of stereo guitar speakers, or directly to the input of a PA or recording device.

13. AUX IN
1/8" TRS input for connecting external devices (phone, MP3 player) for practice and jamming.

14. PHONES
1/8" TRS output for connecting headphones.

15. USB
USB 2.0 Type-B connects to your computer for use with GP-100 software, or as a USB audio interface.

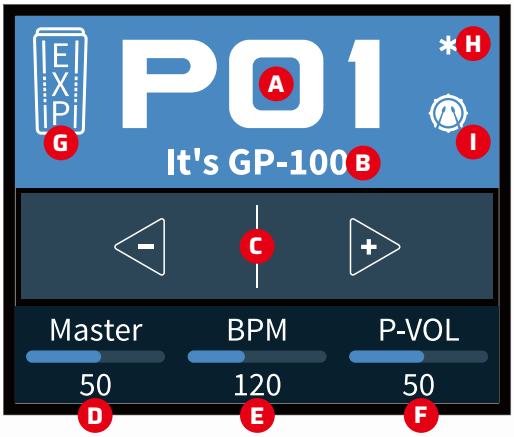
16. Power Supply Connection
Power supply input (9V DC center negative) .

GETTING STARTED

The GP-100 has two operation modes: **Play Mode** and **Edit Mode**.

Play Mode

GP-100 will be in play mode when first powered on. The LED screen shows the patch number (from P01 to F99), master volume, patch volume, BPM, patch name and more. Play Mode allows you to navigate presets using the PARA knob or footswitches.



A. Patch No.
B. Patch name
C. Foot switch mode
D. Master volume
E. Patch BPM
F. Patch volume
G. EXP pedal state
H. Patch state
I. DRUM state

GETTING STARTED

Edit Mode

Push PARA in the main interface or EDIT in any interface to enter EDIT mode. In this mode, you can switch effect types, edit effect parameters, and change the order of effect modules.

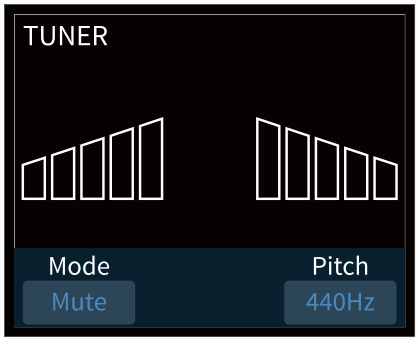
NOTE:

1. Effect settings changed in Edit Mode will need to be stored to a patch.
2. The exceptions are the Master Level and drum machine settings, which are global settings and are not stored to patch.
3. Whenever you change the effect settings of a stored preset, the "*" dot at the top of the screen lights up, indicating the effect setting has been changed from the previously stored value in the patch.
4. See "Editing Patch" for more information on storing a patch.

Navigating Patches

The GP-100 has two patch banks: the User patch bank, which appears in the LED display as P01 to P99, and the Factory patch bank, which appears in the LED display as F01 to F99. From Play Mode, step on the [+]/[-] footswitches or turn the PARA knob to change presets (Hold down the [+] footswitch to scroll through presets) .

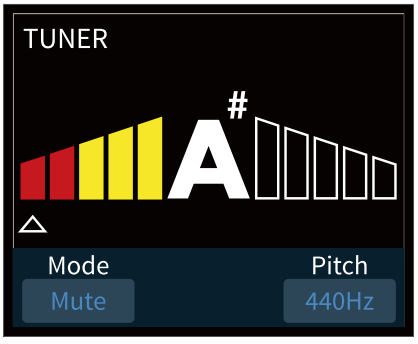
Using The TUNER

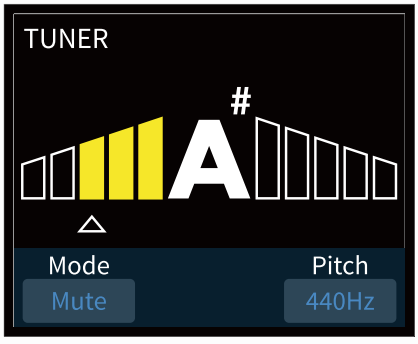


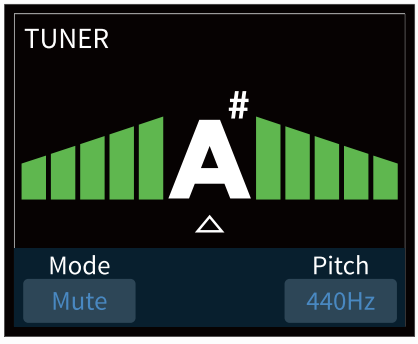
Press and hold both footswitches at any time to enter the tuner mode.

In tuner mode, the LED screen will display the tuning interface. When you pluck a string, the note will appear in the center. Left of center is flat, and right of center is sharp.

As you tune your instrument towards the middle, the color of the scale will change from red (out of tune) to yellow (near pitch) to green (in tune).







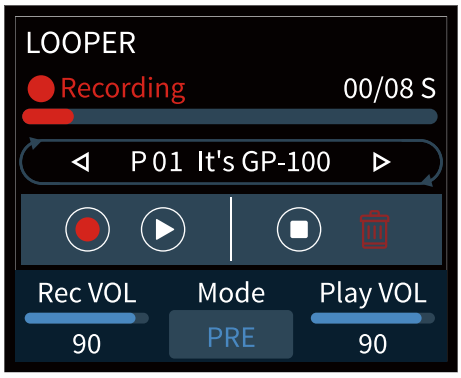
Quick access knob 3 adjusts the pitch calibration (REF PITCH), ranging from 435Hz to 445Hz. Standard pitch is set at 440Hz. Quick access knob 1 lets you select the tuner mode from Bypass (for dry signal through), Thru (for effect signal through) or Mute (for silent tuning).You can exit the tuner either by pressing any footswitch or by pressing the EXIT button.

NOTE:

If you continue to press both [+]/[-] foot switches for more than 2 seconds, the looper becomes active.

GETTING STARTED

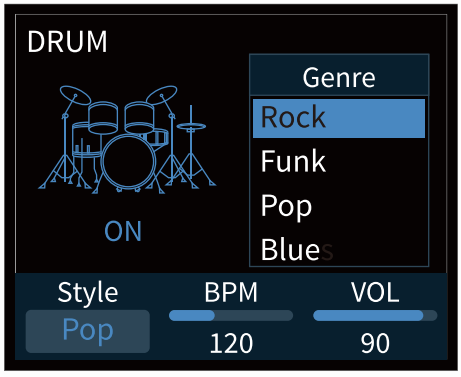
LOOPER Function



In the play mode, simultaneously press the [+]/[-] footswitches until the LOOPER menu appears.
The progress bar at the top will be shown in red during recording and overdubbing. It will be shown in blue in play mode.
Quick access knob 1 adjusts the loop recording level from 0-99
Quick access knob 2 selects between setting the loop before (Pre) or after (Post) your effects chain
In Pre mode, the looper will record mono audio without any effects, up to 90 seconds.
In Post mode, the looper will record stereo audio with effects, up to 45 seconds.
Quick access knob 3 adjusts the loop playback volume from 0-99.

NOTE:
You can exit the LOOPER by pressing the EXIT button. The function of the footswitches in this interface, footswitch[-]tap function is record / playi/ overdub, footswitch [+] tap function is stop, hold to clear and hold footsiwtch[-] [+] to exit.

Drum Machine



Press the "DRUM" button in any interface to turn on the drum.
After the drum is turned on, a symbol will be displayed on the right side of the main interface to show the drum machine is active.
Press and hold the DRUM button to enter the drum menu.

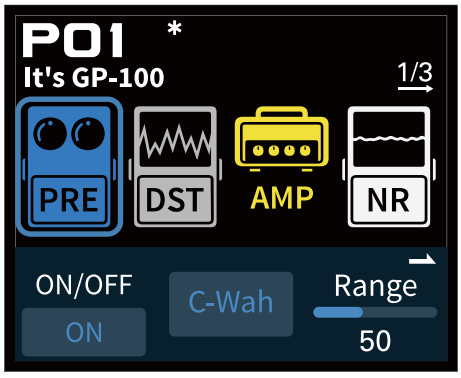
Quick access knob 1 adjusts the DRUM style. Quick access knob 2 adjusts the DRUM BPM from 40-250. Quick access knob 3 adjusts the DRUM volume from 0-99. Turn the PARA knob to switch the DRUM genre. Press the PARA button to play/stop the drum.

EXP Pedal

You can use the built in expression pedal to control various GP-100 parameters.
Some GP-100 preset patches have been set up to use the built in expression pedal. These can be used without any further setup. Refer to the expression pedal setting section to set the expression pedal.
To turn the built in expression pedal on, press the pedal all the way forward so it clicks. When the built-in expression pedal is on, an icon will show up on the Main Display screen to indicate it is on:

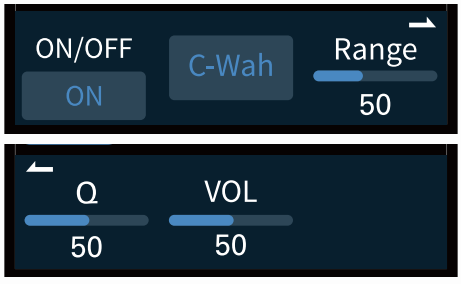
NOTE
The built-in expression pedal also functions when it is turned off. It controls the output volume or input volume of the GP-100, depending on the where it is positioned in the effect chain.

EDIT



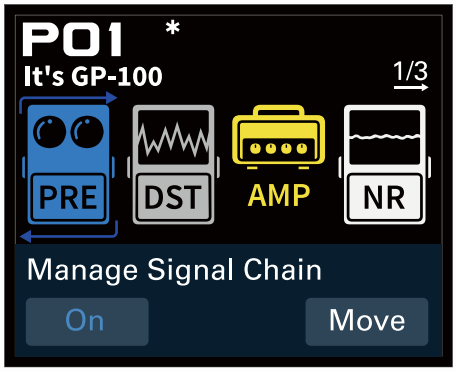
Turn the PARA knob or tap the footswitch to switch the patch. Press the PARA button or EDIT button to enter the EDIT menu. This menu is made of ten icon squares representing GP-100's nine effects modules.
The default signal chain is ordered like this:
PRE (Pre-effects) - DST (Overdrive/Distortion) - AMP (Amp simulator) - NR (Noise reducer) - CAB (Cabinet simulator) - EQ (Equalization) - MOD (Modulation) - DLY (Delay) - RVB (Reverb).

You can arrange the effect modules however you want.
When you open any effect module, the corresponding icon lights up to indicate the current effect module is selected.
In the EDIT Menu, turn the PARA knob to select the effect module you want to edit. The editable parameters of the currently selected effect module are displayed at the bottom of the screen; different effect modules have different parameters. You can use the three Quick adjust knobs to adjust the parameters located directly above the knobs. A page number will appear at the top right of the screen.



Some effects have several parameters, but only three parameters appear per page. Press the PARA knob button to turn the page to view the other available parameters.

Change Effect Module Position



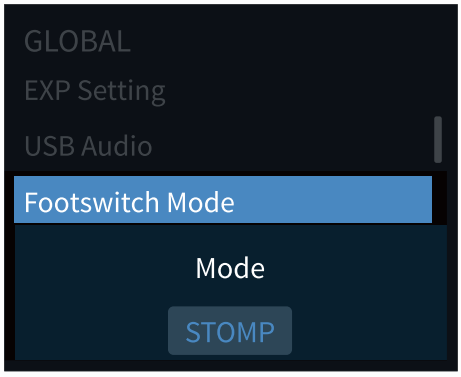
Press and hold the PARA button in the EDIT Menu to change the position of the effect module.

- Turn the PARA button to select the effect module you want to move
- Turn the Quick adjust knob 1 to control the selected module on/off
- Turn Quick adjust knob 3 to move the selected module.
- Press the PARA button to return to the EDIT menu.

NOTE
Remember that turning the modules on/off and adjusting parameters will change the current patch. If you switch patches or turn GP-100 off before saving your changes, the changes will be lost. Make sure to press the SAVE button to save your settings.
Reminder: In some extreme cases the signal processor may become overloaded and display a "System Overload" caution.

EDIT

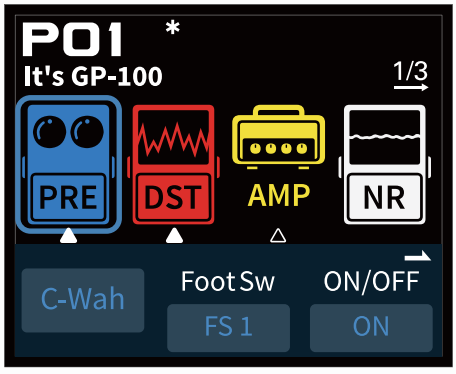
Stomp Mode



Select the footswitch mode in the GLOBAL menu to select STOMP mode.

After selecting the STOMP mode, the function of the foot switch [-]/[+] on the main interface will be changed to the information of the current controllable module. Each footswitch can only control 1-3 module switches.

In STOMP mode, press the PARA button or EDIT button to enter the EDIT menu.

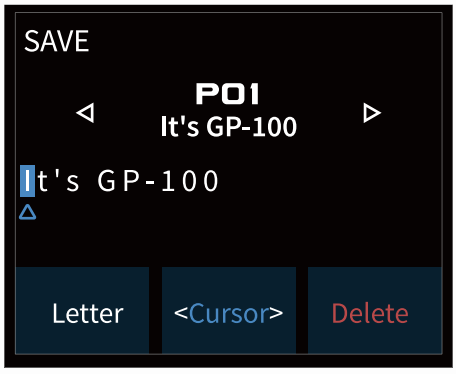


In STOMP mode, the tone editing operation is the same as in PATCH mode. Only one foot switch control module selection function is added:
There are two kinds of graphics "▲" "△" below the module under this interface to indicate the module controlled by the current foot switch [-]/[+]. Turn Quick adjust knob 2 to select the module to be controlled by the footswitch. FT 1 refers to the module controlled by the [-] foot switch. FT 2 refers to the module controlled by the [+] foot switch. Selecting OFF means it is not controlled.

NOTE
Remember that turning the modules on/off and adjusting parameters will change the current patch. If you switch patches or turn GP-100 off before saving your changes, the changes will be lost. Make sure to press the SAVE button to save your settings.
Reminder: In some extreme cases the signal processor may become overloaded and display a "System Overload" caution.

EDIT

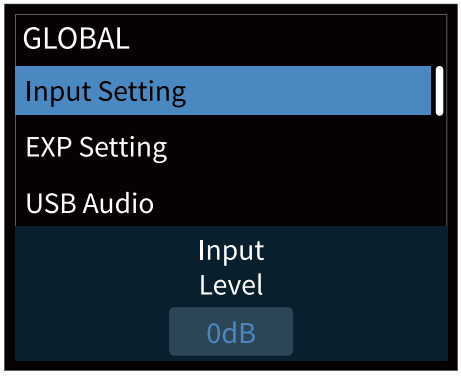
Save Mode



In the SAVE menu, you can save the changes you make to your effects parameters, control information, and other editable targets.
It is very important to save the changes you make to your tone and control settings!
Turn the PARA knob to select the patch you want to save.

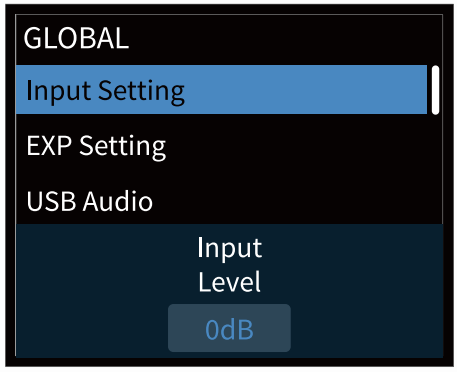
- Quick access knob 1 changes the characters. There are four types of characters: numbers, capital letters, lowercase letters, and symbols (includes space).
- Quick access knob 2 changes the position of the cursor.
- Quick access knob 3 deletes left and right characters.
- Press the PARA button or SAVE button to confirm the save.
- Press the EXIT button to exit the SAVE menu.

GLOBAL



Use the GLOBAL menu to set GP-100's global functions, including input level, EXP pedal settings, language, and footswitch mode. You can also return to factory settings from this menu.
Global settings will affect GP-100's overall working status. These will override any other settings made to your patches. Any changes made in Global settings will be automatically saved and immediately operational.
In the main menu, press GLOBAL to enter the global settings menu. The screen will look like this:
Turn the PARA knob to select settings in the GLOBAL menu. You can use the three Quick adjust knobs to adjust the parameters directly above the knobs. A page number will appear at the top right of the screen. Press the PARA knob button to turn the page to view the other available parameters.

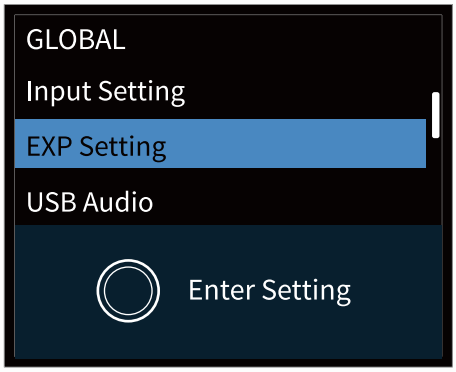
Input Settings



Set the global input levels and modes in the Input Settings menu. Adjust the optimal Input Level for the instrument or other sound source you're using. Adjustable range is from -20dB to +20dB. Default is set to 0dB.

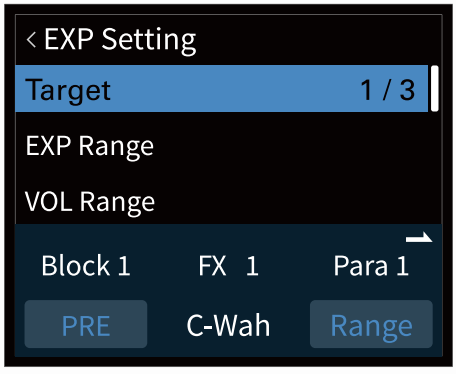
GLOBAL

EXP Settings



From this menu, you can control the settings of or calibrate your built-in expression pedal.

There are four options within this menu: Target, Expression Range, Volume Range, and Calibrate.

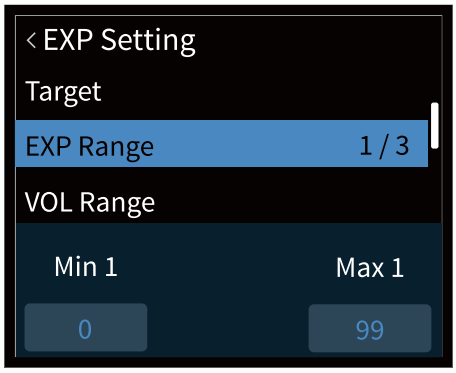


- **Target**

Under the Target option, you can set the pedal's control target. You can set up a maximum of four effects parameters for the built-in expression pedal to control.

In the selection panel, Block X (X standing for 1-3 controllable targets) represents the effects module in play. FX X displays the actual effect name, and PARA X shows the effect's controllable parameter.

Use Quick access knob 1 to select the module placement. Use Quick access knob 3 to select the effects parameter. Press the PARA button to flip through the panel. You can also turn the expression pedal off by selecting OFF in the settings panel.

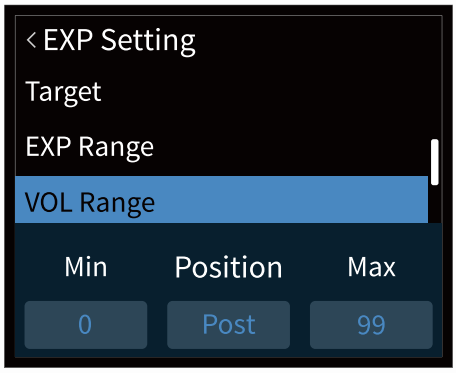


- **Expression Range**

Under the Expression Range option, you can set the expression pedal expression range and sweep curve. There are four adjustable targets to change these settings.

In the selection panel, MIN X (X standing for 1-3 controllable targets) represents the lowest range value. This is the value the pedal will have when pushed all the way up. MAX X represents the highest range value, when the pedal is pushed all the way down. The MIN and MAX range is 0-100, and the MIN value can be greater than the MAX value.

GLOBAL

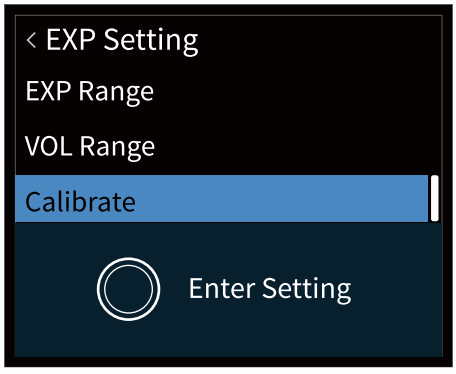


• **Volume Range**

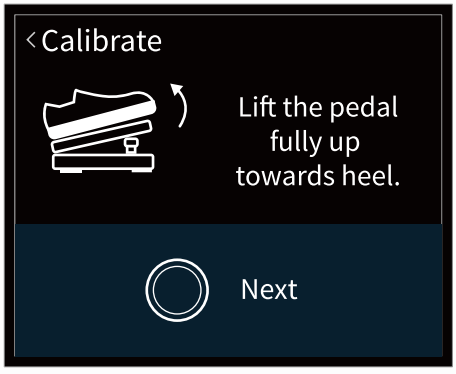
When the built in expression pedal is off, it continues to work as a volume pedal. Under the Volume Range option, you can set the volume pedal range and sweep curve. Just like in the Expression Range section, MIN and MAX represent the lowest/highest volume range value respectively. The MIN and MAX range is 0-100, and the MIN value can be greater than the MAX value.

In this menu you can set the position of the volume pedal in the effects chain. PRE means that the volume pedal is at the front of the effects chain (before the input level), and POST means that the volume pedal is at the end of the effects chain (before the master volume).

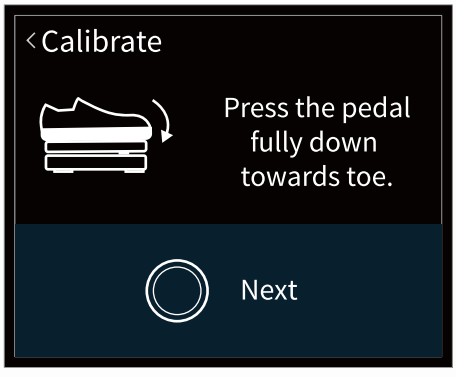
Calibrate



The Calibrate option helps you calibrate your expression pedal. It is important to calibrate the expression pedal if you find the sweep has very little or too much change in the effect you've set.
Press the PARA button to enter the Calibrate menu.



Bring the pedal all the way up (back) and press the PARA button to select Next.

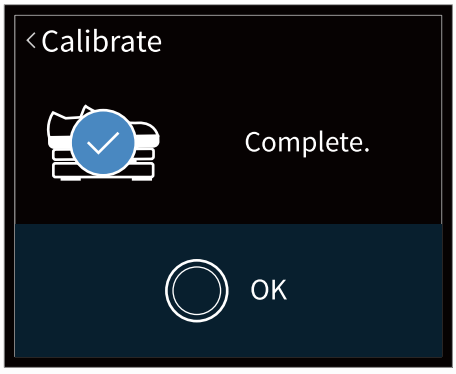


Then press the pedal all the way down (forward) and press the PARA button to select Next.

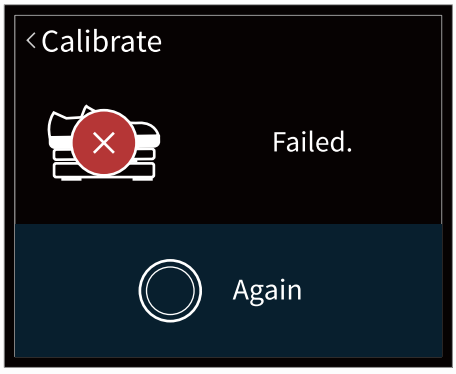
GLOBAL

Calibrate

Then, press the pedal toe down strongly and press the PARA button to select Next.

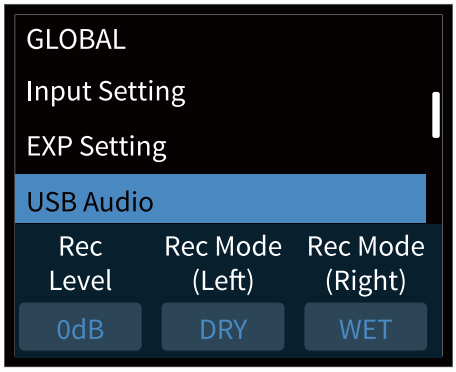


If the pedal is successfully calibrated, the following prompt will be displayed. Press the PARA button to confirm the calibration and return to the previous menu.



If pedal calibration fails, press the the PARA button to re-calibrate.

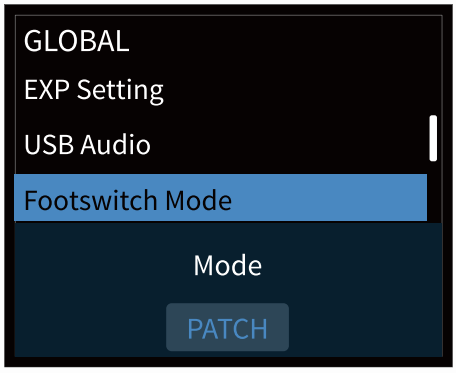
USB Audio



Use this menu to set up USB audio settings when using GP-100 as a USB audio interface. The Rec Mode options allow you to select USB recording input sources on left (L) and right (R) input channels. The selections for these are the same: dry signal (Dry) and wet signal (Effect). When recording, adjust the optimal Rec Level according to the instrument or other devices you're using.
Rec Level: range: -20dB to +20dB, default: 0dB

GLOBAL

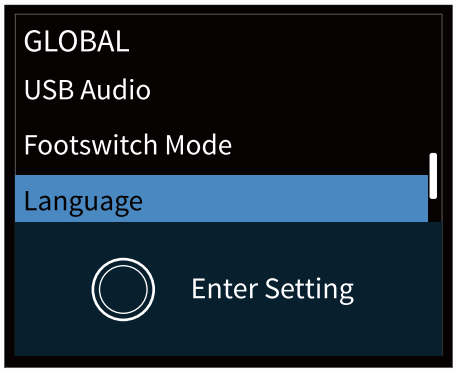
Footswitch Mode



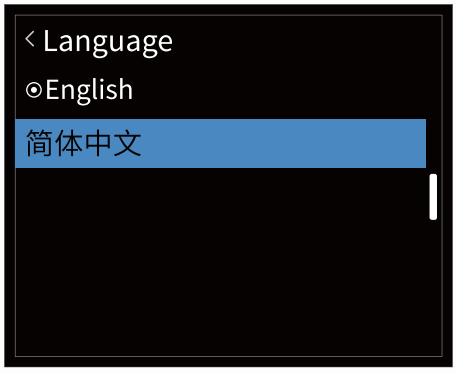
This menu is used to set the GP-100 FOOTSWITCH mode.

Turn Quick adjust knob 2 to select the footswitch mode. You can select footswitch mode as PATCH mode or STOMP mode.

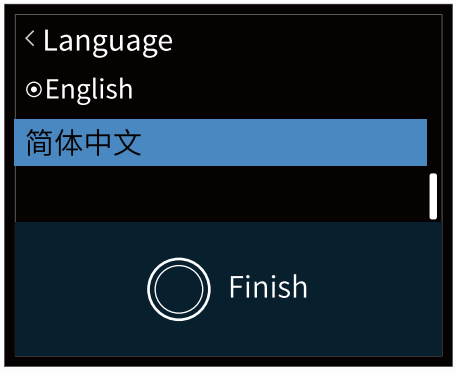
Language



This menu is used to set the GP-100 language.
Press the PARA button to enter the language settings menu.



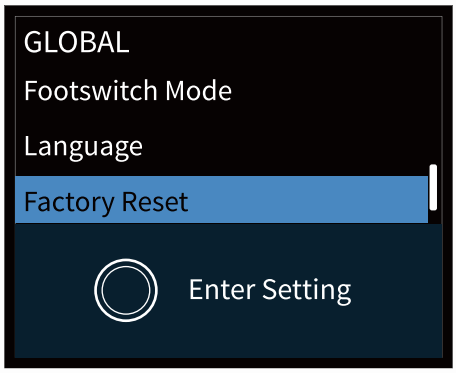
Turn the PARA knob button to select the system languag and press the PARA button to confirm the selection.



Press the PARA button again or press the EXIT button to return to the previous menu.

GLOBAL

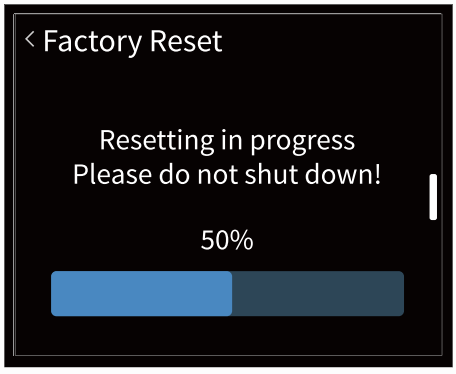
Factory Reset



Use this menu to perform a factory reset. Remember, resetting the GP-100 will delete all of your saved changes and personal settings. Once it is executed, it cannot be undone, so please back up your settings before performing a factory reset.

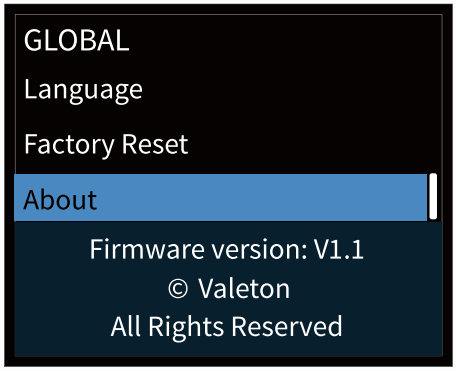
Press the PARA button to enter the factory reset menu.

Turn thePARA knob to select OK/Cancel to confirm or cancel the factory reset. Press the PARA button to confirm select. Selecting OK will initiate the factory reset. Selecting Cancel will return you to the previous menu.
After starting the factory reset, this screen will appear showing that the reset is in progress. Do not disconnect the power supply while the reset is in progress. Disconnecting the power supply may cause your GP-100 to malfunction.



When the factory reset is complete, this message will appear. Press the PARA button to return to the main menu.

About



The About page will show you information about GP-100's firmware.

SOFTWARE

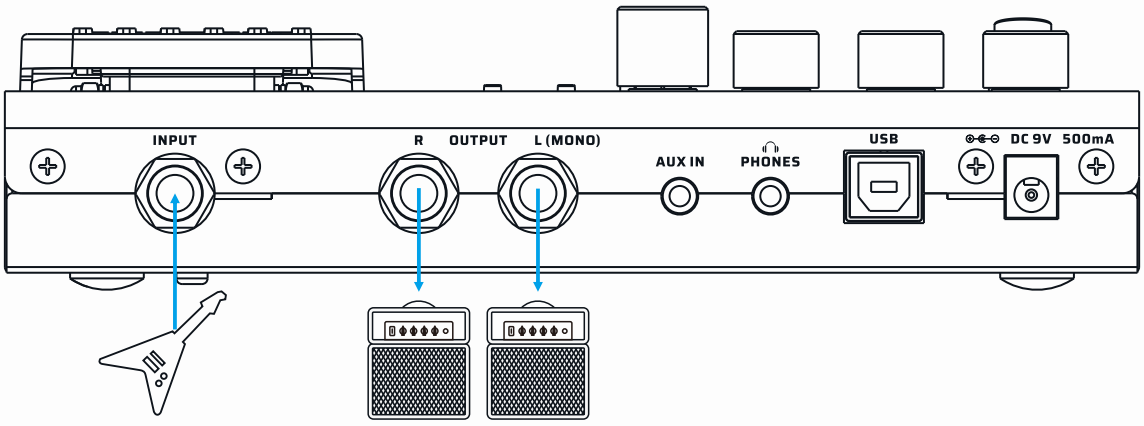
Connect GP-100 to your computer and access the free software to manage your GP-100 device, adjust tonal settings, transfer files, update firmware, restore settings, and upload third party IR files. GP-100 software is compatible with Windows and macOS platforms. Log on to www.valeton.net/support to download the free software.

Suggested Setups

Here are some common setups to get the most out of GP-100.

Using with your instrument and amp

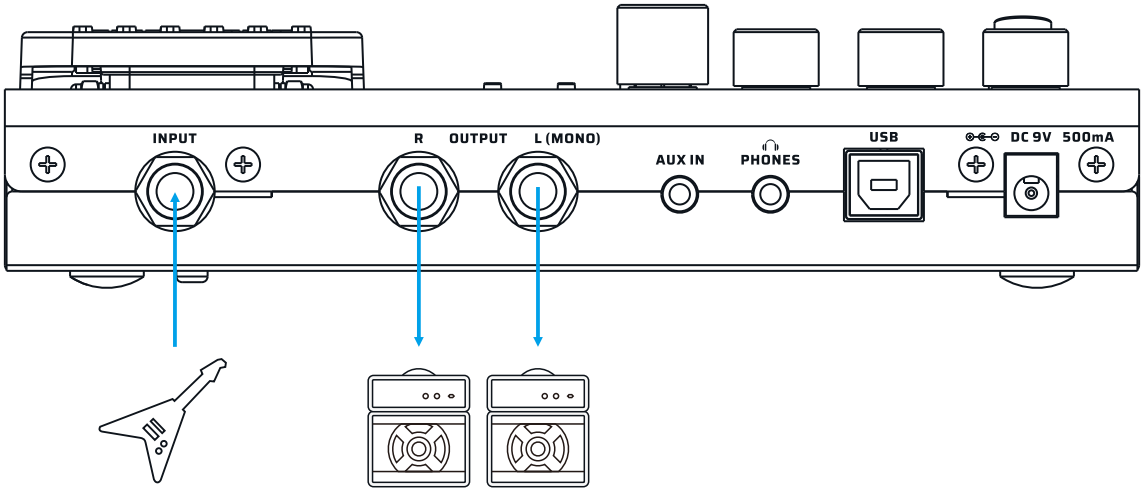
Plug your instrument into the GP-100 instrument INPUT jack, and run a cable (or two) from the OUTPUT(s) to your amplifier(s). If you have one amp, run the cable from the left output.
For best results, turn off the AMP and CAB modules on GP-100.



Suggested Setups

Connecting to your amp's RETURN

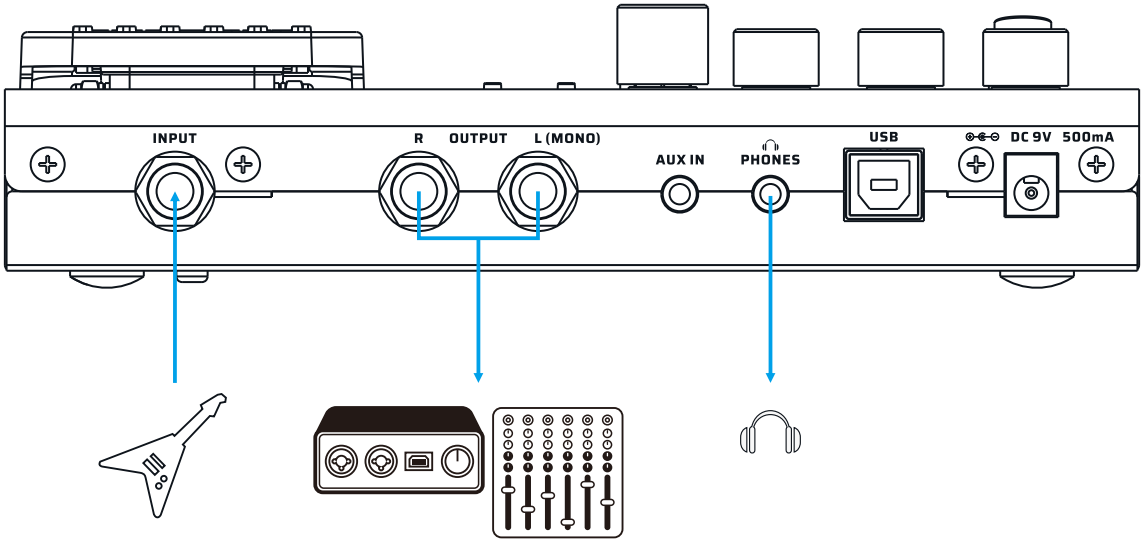
Connect the outputs to your amp's FX Loop Return input. If you have one amp, run the cable from the left output. For best results, turn off the CAB module on GP-100.



Connecting your mixer, interface, headphones, and other equipment

Connect GP-100's outputs to your mixer or audio interface's corresponding inputs. If you want to send a mono signal out, use GP-100's left output channel. To prevent damage to your equipment, make sure the mixer or interface channel's volume is muted before making ANY connections. Turn theGP-100 output volume all the way down before connecting headphones to prevent harm to your ears. GP-100's headphones out comes with stereo sound.

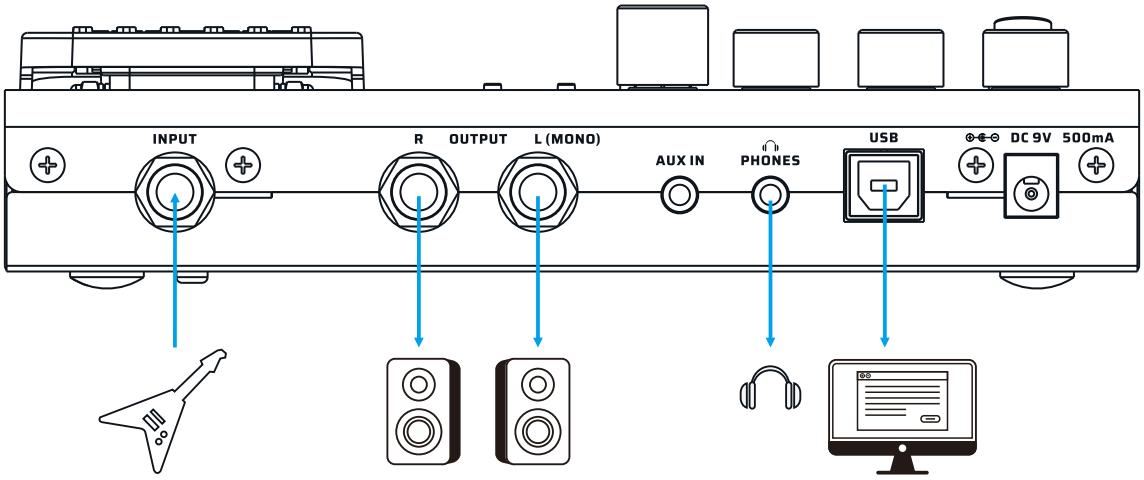
For best results with headphones, turn on GP-100's AMP and CAB modules.



Suggested Setups

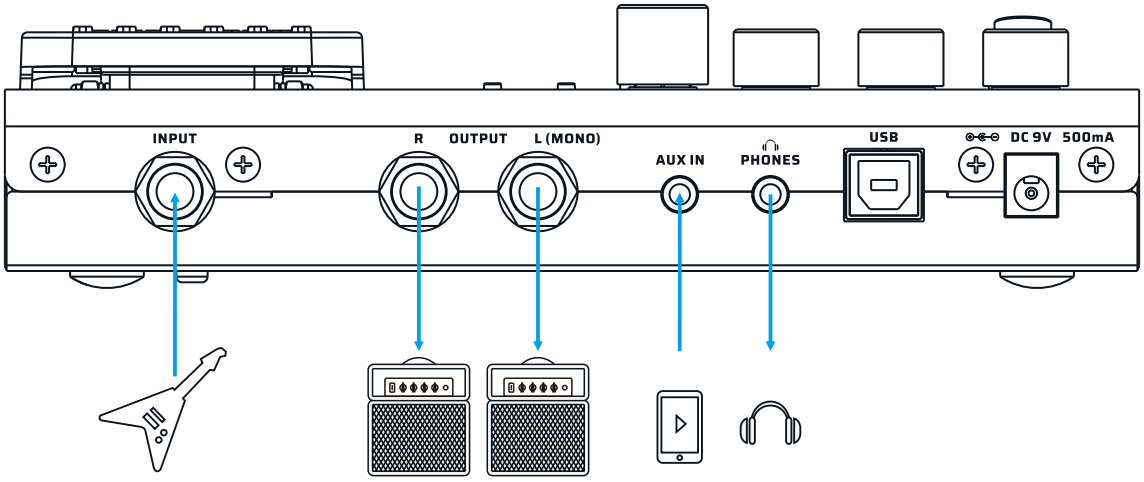
Connecting to your computer as an audio interface

Connect a USB cable (not included) from GP-100 to your computer. For PC systems, you'll need to set up the driver. GP-100 is plug and play for macOS. Run line out cables to your monitors, or use headphones.



Using the AUX IN line

Connect a male-to-male 1/8" stereo cable from your audio source (phone or MP3 player) to GP-100's AUX IN jack. This line will be unaffected by GP-100's internal effects. Note: if you are running a mono line out, you will only hear a mono version of your AUX source.



EFFECT LIST

PRE		
FX Title	**Description**	**Parameters & Ranges**
COMP	Based on the legendary Ross™ Compressor	Sustain (0~99) Controls the compression amount Output (0~99) Controls the effect output volume
COMP4	Based on the Keeley® C4 4-knob compressor*	Sustain (0~99) Controls the compression amount Attack (0~99) Controls how soon the compressor starts to process the signal Output (0~99) Controls the effect output volume Clipping (0~99) Controls the input sensivity
Boost	Based on famous Xotic® EP Booster* pedal	Bright(Off/On) Switches extra brightness on/off Vol(0~99) Controls the effect output volume
AC Sim	Acoustic guitar simulator designed for guitars	Body(0~99) Controls the body resonance Top(0~99) Controls the upper harmonics Vol(0~99) Controls the effect output Mode(STD,Jumbo,ENH,Piezo) Switches from 4 modes: STD: Simulates a standard acoustic guitar Jumbo: Simulates a jumbo acoustic guitar ENH: Simulates an acoustic guitar with enhanced attack Piezo: Simulates the sound of a piezo pickup
T-WAH	A wide range d envelope filter (a.k.a. touch wah) designed for guitarists and bassists that is touch-sensitive and flexible	Sens (0~99) Controls the sensitivity Range (0~99) Contols the filter center frequency range Q (0~99) Controls the filter Q Mix (0~99) Controls the wet/dry signal ratio Mode (Guitar/Bass) Switches from guitar/bass modes
A-WAH	Providing a variable auto wah effect for both guitars and basses	Depth (0~99) Controls the effect depth Rate (0.1~10Hz) Controls the effect speed Vol(0~99) Controls the effect output Low(0~99) Controls the filter low frequency range Q (0~99) Controls the filter Q High (0~99) Controls the filter high frequency range Sync (Off/On) Switches Tap Tempo sync on/off
V-Wah	Based on legendary VOX® V846* wah pedal	Range(0~99) Controls the filter frequency range Q (0~99) Controls the filter Q Vol(0~99) Controls the effect output To use expression pedal as a wah pedal, assign Range as control target; you'll hear the difference by switching the pedal on and moving back and forth
C-Wah	Based on legendary Dunlop® CryBaby®* wah pedal	
OCTA	Provides polyphonic octave effect	Low Oct (0~99) Controls the lower octave volume High Oct (0~99) Controls the higher octave volume Dry (0~99) Contols the dry signal level

EFFECT LIST

PRE		
FX Title	**Description**	**Parameters & Ranges**
Pitch	Polyphonic pitch shifter/harmonizer	H-Pitch(0~+24) Controls the lower pitch by half notes L-Pitch(0~-24) Controls the higher pitch by half notes Dry(0~99) Controls the dry singal level H-Vol(0~99) Controls the high pitch volume L-Vol(0~99) Controls the low pitch volume
P-Bend	Polyphonic pitch shifter/harmonizer	H-Pitch(0~+12) Controls the lower pitch by one notes L-Pitch(0~-12) Controls the higher pitch by one notes Dry(0~99) Controls the dry singal ratio Wet(0~99) Controls the wet singal ratio Range(0~99)Controls the harmony effect pitch range
Saturate	Vintage tape saturation simulater providing analog warmth and natural distortion	Gain(0~00) Controls the gain amount Mix(0~99) Controls the wet/dry signal ratio Tone(0~99) Controls the effect output H-Cut(0~99) Controls the effect high cut amount
Step Filter	A 4-step auto filter machine for creating synth-like sounds	Step 1/Step 2/Step 3/Step 4 (0~99) Controls filter center frequency of 4 filters (steps) Rate(0.1~10Hz) Controls the effect speed Sync(ON/OFF) Switches Tap Tempo sync on/off
Ring Mod	A ring modulator for creating intresting inharmonic frequency spectra (like bells and chimes	Mix(0~99) Contols the wet/dry signal ratio Freq(0~99) Controls the modulation frequency Fine(-50~0~+50) Fine tune the modulation frequency by 1Hz Tone(0~99) Controls the tone brightness

DST		
FX Title	**Description**	**Parameters & Ranges**
Green OD	Based on legenary Ibanez® TS-808 Tube Screamer®* overdrive pedal	Gain(0~99) Controls the gain amount Tone(0~99) Controls the tone brigntness Vol(0~99) Controls the effect output volume
Yellow OD	Based on the legendary 2-knob yellow overdrive pedal with thick, cream like sound character, one of the earliest dirt pedals	Gain(0~99) Controls the gain amount Vol(0~99) Controls the effect output volume
Super OD	Based on the legendary 3-knob yellow overdrive pedal, reproducing the thick, warm sound produced by asymmetric overdrive circuitry	Gain(0~99) Controls the gain amount Tone(0~99) Controls the tone brightness Vol(0~99) Controls the effect output volume
Blues OD	Based on an legendary 3-knob Blues overdrive pedal providing full-range overdriven sound, great for both guitars and basses	Gain(0~99) Controls the gain amount Tone(0~99) Controls the tone brightness Vol(0~99) Controls the effect output volume

EFFECT LIST

DST		
FX Title	**Description**	**Parameters & Ranges**
Lazaro	Based on legendary Electro-Harmonix® Big Muff Pi®* fuzz/distortion pedal	Sustain(0~99) Controls the gain amount Tone(0~99) Controls the tone brightness Vol(0~99) Controls the effect output volume
Red Haze	Based on legendary Dallas-Arbiter® Fuzz Face®* fuzz pedal	Fuzz(0~100) Controls the gain amount Vol(0~100) Controls the effect output volume
Darktale	Based on legendary ProCo™ The Rat* distortion (early LM308 OP-amp version)	Gain(0~99) Controls the gain amount Filter(0~99) Conterclockwize controls the tone brigntness Vol(0~99) Controls the effect output volume
Flex OD	A simple and effective distortion effect for guitars and basses	Gain(0~99) Controls the gain amount Tone(0~99) Controls the tone brightness Vol(0~99) Controls the effect output volume Mode(Norm, Scp, Edge) Selects from three sound characters Blend(0~99) Controls the wet/dry signal ratio
SM Dist	Based on the legendary 3-knob orange distortion released in late 1970s	Gain(0~99) Controls the gain amount Tone(0~99) Controls the tone brightness Vol(0~99) Controls the effect output volume
La Charger	Based on MI Audio® Crunch Box®* distortion peal, providing classic UK-style high gain stack sound	Gain(0~99) Controls the gain amount Tone(0~99) Controls the tone brightness Vol(0~99) Controls the effect output volume
Bass Dist	Based on a yellow bass overdrive pedal with wide tonal range	Gain(0~99) Controls the gain amount Blend(0~99) Controls the wet/dry signal ratio Vol(0~99) Controls the effect output volume Bass(0~99) Controls the low frequency amount Treble(0~99) Controls the high frequency amount

AMP		
FX Title	**Description**	**Parameters & Ranges**
Tweedy	Based on Fender® Tweed Deluxe*	Vol(0~99) Controls the amp pre gain Tone (0~99) Controls the tone brightness Output (0~99) Controls the amp output volume
Bellman 59N	Based on Fender® '59 Bassman®*	Vol(0~99) Controls the amp pre gain PRSE(0~100) Controls the amp presence Output(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble (0~99) Controls the amp high frequency r

EFFECT LIST

AMP		
FX Title	**Description**	**Parameters & Ranges**
Dark Twin	Based on Fender® '65 Twin Reverb®*	Vol(0~99) Controls the amp pre gain Output(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response Bright(Off/On) Switches extra brightne
L-Star CL	Based on Mesa/Boogie® Lone Star™ (CH1)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency res
Foxy 30N	Based on VOX® AC30HW* (normal channel)	Vol(0~99) Controls the amp pre gain Tone Cut(0~99) Counterclockwise controls the tone brightness Master(0~99) Controls the amp output volume Bright(Off/On) Switches extra brightness on/off
BogSV CL	Based on Bogner ® Shiva* (20th Anniversary version, Ch1	Vol(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Treble(0~99) Controls the amp high frequency response Bright(Off/On) Switches extra brightness on/off
J-120 CL	Based on the legendary "Jazz Chorus"solid state combo	Vol(0~99) Controls the amp output volume Bright(0~99) Switches extra brightness on/off Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Match CL	Based Matchless™ Chieftain 212 combo* (clean tone)	Vol(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Treble(0~99) Controls the amp high frequency response
Knights CL	Based on Grindrod® Pendragon PG20C* (Normal channel, bright off)	Gain(0~99) Controls the amp pre gain Vol(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency respon

EFFECT LIST

AMP		
FX Title	**Description**	**Parameters & Ranges**
Z38 CL	Based on Dr. Z® Maz 38 Sr.* combo (clean sound)	Vol(0~99) Controls the amp pre gain Cut(0~99) Conterclockwise controls the tone brightness Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high freque
Bad-KT CL	Based on Bad Cat® Hot Cat 30* (clean channel)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume
UK 45	Based on Marshall® JTM45* (normal channel)	Vol(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Output(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency respons
UK 50JP	Based on Marshall® JMP50* ("Jump" connection)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Output(0~99) Controls the amp output volume Bass(0~990) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency resp
UK 800	Based on Marshall® JCM800*	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency
Flagman	Based on the famous“Brown Eye”UK-style boutique amp head (BE channel)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Z38 OD	Based on Dr. Z® Maz 38 Sr* combo (dirty tone)	Gain(0~99) Controls the amp pre gain Cut(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response

EFFECT LIST

AMP		
FX Title	**Description**	**Parameters & Ranges**
BogSV OD	Based on Bogner® Shiva* (20th Anniversary version, Ch2)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Bellman 59B	Based on Fender® '59 Bassman®* (bright channel)	Vol(0~99) Controls the amp pre gain PRSE(0~100) Controls the amp presence Output(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Foxy 30TB	Based on VOX® AC30HW* (Top Boost channel)	Vol(0~99) Controls the amp pre gain Cut(0~99) Conterclockwise controls the tone brightness Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Treble(0~99) Controls the amp high frequency response Char(Cool/Hot) Selects from 2 gain ranges
SUPDual OD	Based on the Supro®Dual-Tone 1624T* (CH1+2, dirty tone)	VOL 1(0~99) Controls the output volume of CH1 Tone 1(0~99) Controls the tone brightness of CH1 VOL 2(0~99) Controls the output volume of CH2 Tone 2(0~99) Controls the tone brightness of CH2 Output(0~99) Controls the amp output volume
Match OD	Based on Matchless™ Chieftain 212 combo* (dirty tone)	Vol(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Treble(0~99) Controls the amp high frequency response
Mess2C+ 1	Based on Mesa/Boogie® Mark II C+™ (Lead channel) with 2 different onboard switch combinations	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Mess2C+ 2		Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response

EFFECT LIST

AMP		
FX Title	**Description**	**Parameters & Ranges**
Knights OD	Based on Grindrod® Pendragon PG20C* (Drive channel)	Gain(0~99) Controls the amp pre gain Vol(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Dizz VH	Based on Diezel® VH4*	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency respons
Eagle 120	Based on ENGL® Savage 120 E610*	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
EV 51	Based on Peavey® 5150® (LEAD channel)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Solo100 LD	Based on Soldano® SLO100* (overdrive channel)	Vol(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Mess4 LD	Based on Mesa/Boogie® Mark IV™ (Lead channel)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Mess DualV	Based on Mesa/Boogie® Dual Rectifier®	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response

EFFECT LIST

AMP		
FX Title	**Description**	**Parameters & Ranges**
Power LD	Based on ENGL® Powerball II E645/2* (CH4)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Flagman+	Based on the famous“Brown Eye”UK-style boutique amp head	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Juice R100	Based on Orange® Rockerverb 100™* (Dirty channel)	Gain(0~99) Controls the amp pre gain Vol(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Mess DualM	Based on Mesa/Boogie® Dual Rectifier®	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Bog BlueV	Based on Bogner® Ecstasy*("Blue" channel, Vintage mode)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Bog RedM	Based on Bogner® Ecstasy*("Blue" channel, Modern mode)	Gain(0~99) Controls the amp pre gain PRSE(0~99) Controls the amp presence Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response

EFFECT LIST

AMP		
FX Title	**Description**	**Parameters & Ranges**
Classic Bass	Based on Ampeg® SVT* bass amp	Gain(0~99) Controls the amp pre gain Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Range(220Hz/450Hz/800Hz/1.6kHz/3kHz) Selects from 5 mid frequency ranges Treble(0~99) Controls the amp high frequency response Master(0~99) Controls the amp output volume
Bass Pre	Based on Alembic™ F-2B* preamp	Vol(0~99) Controls the amp output volume Bright(Off/On) Switches extra brightness on/off Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
Mini Bass	Based on Ampeg® B-15* "Flip Top" bass amp	Vol(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Treble(0~99) Controls the amp high frequency response
Foxy Bass	Based on vintage VOX®* AC-100* bass amp	Vol(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Treble(0~99) Controls the amp high frequency response
Mess Bass	Based on Mesa/Boogie® Bass 400* amp	Vol(0~99) Controls the amp pre gain Master(0~99) Controls the amp output volume Bass(0~99) Controls the amp low frequency response Middle(0~99) Controls the amp mid frequency response Treble(0~99) Controls the amp high frequency response
AC Pre	Based on AER® Colourizer 2* acoustic preamp	Vol(0~99) Controls the output volume Tone(0~99) Controls the tone brightness BAL(0~99) Controls the tone control balance; turn to 0 to disable tone control Freq(0~99) Controls the EQ center frequency from 90Hz to 1.6kHz Q(0~99) Controls the EQ bandwidth Gain(0~99) Controls the EQ boost/cut amount

NR		
FX Title	**Description**	**Parameters & Ranges**
Gate 1	Based on famous ISP® Decimator™* noise gate pedal	Thre(0~99) Controls the noise gate thre
Gate 2	Flexible noise gate with attack and release control	Thre(0~99) Controls the noise gate threshold Attack(0~99) Controls how fast the noise gate start to process signal Rel(0~99) Controls the noise gate release time when signal level reaches

EFFECT LIST

CAB		
FX Title	Description	Parameters & Ranges
TWD 2x12	Custom modified Fender®* 2x12" cabinet	VOL(0~99)Controlsthe outputvolume
DarkTW 2x12	Vintage Fender® '65 Twin Reverb* 2x12" cabinet	
L-Star 2x12	Mesa/Boogie® Lonestar* 2x12" cabinet	
2Rick 2x12	Two-Rock®* 2x12" cabinet	
J-120 2x12	Legendary "Jazz Chorus" 2x12" cabinet	
UK-GN 2x12	Marshall® 2550* 2x12" cabinet	
Free 2x12	Fryette® Deliverance* 2x12" cabinet	
UK-75 4x12	Marshall®* 4x12" cabinet with Celestion® G12T-75* speakers	
UK-GN 4x12	Vintage Marshall® 4x12" cabinet with Celestion® Greenback®* speakers	
UK-LD 4x12	Marshall® 1960AV* 4x12" cabinet	
UK-DK 4x12	1968 Marshall®* 4x12" cabinet	
UK-MD 4x12	Custom modified Marshall®* 4x12" cabinet	
Pogner 4x12	Bogner® Uberkab* 4x12" cabinet	
Dizz 4x12	Diezel®* 4x12" cabinet	
Eagle 4x12	ENGL®* 4x12" cabinet	
Ev51 4x12	Peavey® 6505* 4x12" cabinet	
Solo 4x12	Soldano®* 4x12" caninet	
US 4x12	Mesa/Boogie® Road King®* 4x12" cabinet	
Mess-D 4x12	Mesa/Boogie® Rectifier®* 4x12" cabinet	
U-ban 4x12	Bogner® Uberkab* 4x12" cabinet 2	
Juice 4x12	Orange® PPC412* 4x12" cabinet	
H-Way 4x12	Vintage Hiwatt® SE4123* 4x12" cabinet	
BogSV 1x12	Bogner® Shiva* 1x12" cabinet	
Dark 1x12	Vintage Fender® Vibrolux* 1x12" cabinet	
Regular 1x12	Morgan® AC-20 Deluxe* 1x12 cabinet	
Bad-KT 1x12	Black Cat® Hot Cat* 1x12" cabinet	
Foxy 1x12	Vintage VOX® AC15* 1x12" cabinet	
Studio 1x12	1980's Mesa/Boogie®* 1x12" cabinet	
SUP 1x6	Supro®* 1x6" cabinet with oval speaker	
TWD 1x8	Vintage Fender® Champ* 1x8" cabinet	
TWD-P 1x10	Vintage Fender® Princeton* 1x10" cabinet	
Bellman 4x10	Fender® '59 Bassman®* 4x10" cabinet	
MessBass 2x10	Mesa/Boogie®* 2x10" bass cabinet	
Max 4x10	SWR® Workingman's* 4x10" bass cabinet	
Ameg 4x10	Ampeg® SVT-410HE* 4x10" bass cabinet	
Ameg 8x10	Ampeg SVT-810E* 8x10" bass cabinet	
D	Dreadnought guitar simulation	

EFFECT LIST

CAB		
FX Title	**Description**	**Parameters & Ranges**
OM	Simulates an OM type acoustic guitar	VOL(0~99)Controlsthe outputvolume
Jumbo	Simulates a jumbo acoustic guitar	
GA	Simulates a GA type acoustic guitar	

EQ		
FX Title	**Description**	**Parameters & Ranges**
Guitar EQ 1	Equalizer designed for guitars	125Hz(-50~+50) Boosts/cuts the frequency band 400Hz(-50~+50) Boosts/cuts the frequency band 800Hz(-50~+50) Boosts/cuts the frequency band 1.6kHz(-50~+50) Boosts/cuts the frequency band 4kHz(-50~+50) Boosts/cuts the frequency band Vol(0~99) Controls the output volume
Guitar EQ 2		50Hz(-50~+50) Boosts/cuts the frequency band 120Hz(-50~+50) Boosts/cuts the frequency band 400Hz(-50~+50) Boosts/cuts the frequency band 800Hz(-50~+50) Boosts/cuts the frequency band 4.5kHz(-50~+50) Boosts/cuts the frequency band Volume(0~99) Controls the output volume

MOD		
FX Title	**Description**	**Parameters & Ranges**
A-Chorus	Based on legendary Arion® SCH-1* stereo chorus pedal	Depth(0~99) Controls the chorus depth Rate(0.1~10Hz) Controls the chorus speed Tone(0~99) Controls the tone brightness Sync(Off/On) Switches Tap Tempo sync on/off
G-Chorus	Based on the legendary huge ensemble chorus pedal born in late 1970s (chorus mode), producing rich, shimmering vintage analog chorus tone	Depth(0~99) Controls the chorus depth Rate(0.1~10Hz) Controls the chrous speed Vol(0~99) Controls the effect output volume Sync(Off/On) Switches Tap Tempo sync on/off
B-Chorus	Based on the famous ensemble chorus unit tuned for bassists	Depth(0~99) Controls the chorus depth Rate(0.1~10Hz) Controls the chrous speed Vol(0~99) Controls the effect output volume Sync(Off/On) Switches Tap Tempo sync on/off
Detune	Combines a slightly pitch shifted signal with original sound, producing chorus-like tone	Range(-50 Cents~+50 Cents) Controls the detune amounts by 1 cent Wet(0~99) Controls the effect output volume Dry(0~99) Controls the dry signal level

EFFECT LIST

MOD		
FX Title	**Description**	**Parameters & Ranges**
Flanger	Classsic flanging effect that is rich and natural	Depth(0~99) Controls the flanger depth Rate (0.1~10Hz) Controls the effect speed PreDly (0~99) Controls the pre delay time FdBk (0~99) Controls the feedback amount Sync (Off/On) Switches Tap Tempo sync on/off
Vibrato	Based on a BBD-based blue vibrato pedal, producing natural analog vibrato sound	Depth(0~99) Controls the flanger depth Rate (0.1~10Hz) Controls the effect speed Sync (Off/On) Switches Tap Tempo sync on/off
Phaser	Based on legendary MXR® M101 Phase 90*	Rate(0.1~10Hz) Controls the phaser speed Sync (Off/On) Switches Tap Tempo sync on/off
Vibe	Based on Voodoo Lab® Micro Vibe*	Depth(0~99) Controls the effect depth Rate (0.1~10Hz) Controls the effect speed Sync (Off/On) Switches Tap Tempo sync on/off
Opto Trem	Based on legendary Demeter® TRM-1 Tremulator*,offering classical opto tremolo sound	Depth(0~99) Controls the flanger depth Rate (0.1~10Hz) Controls the effect speed Sync (Off/On) Switches Tap Tempo sync on/off
Sine Trem	Sine tremolo waveforms and super wide tonal range	Depth(0~99) Controls the tremolo depth Rate (0.1~10Hz) Controls the tremolo speed VOL (0~99) Controls the effect output volume Sync (Off/On) Switches Tap Tempo sync on/off
Triangle Trem	Triangle tremolo waveforms and super wide tonal range	Depth (0~99) Controls the tremolo depth Rate (0.1~10Hz) Controls the tremolo speed VOL (0~99) Controls the effect output volume Sync (Off/On) Switches Tap Tempo sync on/off
Bias Trem	Bias tremolo waveforms and super wide tonal range	Depth (0~99) Controls the tremolo depth Rate (0.1~10Hz) Controls the tremolo speed VOL (0~99) Controls the effect output volume Bias (0~99) Controls the waveform offset amount Sync (Off/On) Switches Tap Tempo sync on/off

DELAY		
FX Title	**Description**	**Parameters & Ranges**
Sweet	Based on the legendary 3-knob BBD analog delay pedal with "REPEAT RATE" control	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off

EFFECT LIST

DELAY		
FX Title	**Description**	**Parameters & Ranges**
P-Echo	Produce pure, precised delay sound	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
M-Echo	Simulates solid-state tape echo sound	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
T-Echo	Simulates tube-driven tape echo sound	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
999 Echo	Based on Maxon® AD900 Analog Delay*, providing warm, accurate delay sound	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
Rev Echo	Producing a special delay effect with reversed feedback	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
Slapbk	Simulates the classic slapback echo effect	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-300ms) Controls the delay time Trail (Off/On) Switches effect trail on/off
Vin-Rack	Reproduces the sound of a vintage 1980's rack-mount delay machine with slightly sample-reduced feedback	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Mod (0~99) Controls the modulation amoun Tone (0~99) Controls the modulation brightness Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off

EFFECT LIST

DELAY		
FX Title	**Description**	**Parameters & Ranges**
Swp Echo	Producing a delay effect with sweeping filter modulated repeats	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time S-Depth (0~100) Controls the sweeping depth S-Rate (0~100) Controls the sweeping speed S-Sync (Off/On) Switches sweeping Tap Tempo sync on/off T-Sync (Off/On) Switches delay Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
Ping Pong	A ping-pong delay producing stereo feedbadk bounces back and forth between left and right channels	Mix (0~99) Contols the wet/dry signal ratio Fdbk (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off
M-Echo2	A multi tap delay that simulates	Mix (0~99) Contols the wet/dry signal ratio Feedback (0~99) Controls the feedback amount Time (20ms-4000ms) Controls the delay time Tone (0~99) Controls the effect tone brightness Sync (Off/On) Switches Tap Tempo sync on/off Trail (Off/On) Switches effect trail on/off

REVERB		
FX Title	**Description**	**Parameters & Ranges**
Room	Simulates the spaciousness of a room	Mix (0~99) Controls the wet/dry signal ratio PreDly (0ms-100ms) Controls the pre delay time Decay (0~100) Controls the reverb decay time Trail (Off/On) Switches effect trail on/off
Hall	Simulates the spaciousness of a performance hall	Mix (0~99) Controls the wet/dry signal ratio PreDly (0ms-100ms) Controls the pre delay time Decay (0~100) Controls the reverb decay time Trail (Off/On) Switches effect trail on/off
Church	Simulates the spaciousness of a church	Mix (0~99) Controls the wet/dry signal ratio PreDly (0ms-100ms) Controls the pre delay time Decay (0~100) Controls the reverb decay time Trail (Off/On) Switches effect trail on/off
Plate	Simulates the sound character produced by a vintage plate reverberator	Mix (0~99) Controls the wet/dry signal ratio Decay (0~99) Controls the reverb decay time H-Damp (0~99) Controls the high cut amount Trail (Off/On) Switches effect trail on/off

EFFECT LIST

REVERB		
FX Title	**Description**	**Parameters & Ranges**
Spring	Simulates the sound character produced by a vintage spring reverberator	Mix (0~99) Controls the wet/dry signal ratio Decay (0~99) Controls the reverb decay time Tone (0~99) Controls the effect tone brightness Trail (Off/On) Switches effect trail on/off
N-Star	Special-tuned reverb effect with lush, bright decays	Mix (0~99) Controls the wet/dry signal ratio Decay (0~99) Controls the reverb decay time Trail (Off/On) Switches effect trail on/off
Deep Sea	Special-tuned reverb effect with huge, deep decays	Mix (0~99) Controls the wet/dry signal ratio Decay (0~99) Controls the reverb decay time Trail (Off/On) Switches effect trail on/off
Mod Verb	Produces a modulated reverb effect that is lush and sweet	Mix (0~99) Controls the wet/dry signal ratio PreDly (0ms-99ms) Controls the pre delay time Decay (0~99) Controls the reverb decay time Lo End (-50~+50) Controls the effect low frequency amount Hi End (-50~+50) Controls the effect high frequency amount Trail (Off/On) Switches effect trail on/off
Clear Sky	Special-tuned reverb effect with liquid-like decays and deep low ends	Mix (0~99) Controls the wet/dry signal ratio Decay (0~99) Controls the reverb decay time Trail (Off/On) Switches effect trail on/off

DRUM RHYTHM LIST

Genre	No.	Type	Time Signature	Default Tempo
Electronic	01	D&B	4/4	120BPM
	02	Electro1	4/4	120BPM
	03	Electro2	4/4	120BPM
	04	Techno	4/4	120BPM
	05	TripHop	4/4	120BPM
	06	E-Pop	4/4	120BPM
	07	Break	3/4	120BPM
	08	H-Hop1	4/4	120BPM
	09	H-Hop2	4/4	120BPM
	10	H-Hop3	4/4	120BPM
	11	H-Hop4	4/4	120BPM
Rock	12	Prog	4/4	120BPM
	13	Rock 1	4/4	120BPM

DRUM RHYTHM LIST

Genre	No.	Type	Time Signature	Default Tempo
Rock	14	Rock 2	4/4	120BPM
	15	Rock 3	4/4	120BPM
	16	Surfin	4/4	120BPM
	17	Shuffle	4/4	120BPM
	18	R'n'R	4/4	120BPM
	19	Ballad	4/4	120BPM
	20	SF3/4	3/4	120BPM
	21	Rock5/4	5/4	120BPM
	22	Classic	4/4	120BPM
	23	SF4/4	4/4	120BPM
	24	Garag	4/4	120BPM
	25	Hard 1	4/4	120BPM
	26	Hard 2	4/4	120BPM
	27	Nu 1	4/4	120BPM
	28	Nu 2	4/4	120BPM
	29	Metal1	4/4	160BPM
	30	Metal2	4/4	160BPM
	31	Punk 1	4/4	160BPM
	32	Punk 2	4/4	180BPM
	33	Punk 3	4/4	220BPM
	34	Punk 4	4/4	120BPM
	35	Punk 5	4/4	120BPM
	36	P Punk 1	4/4	120BPM
	37	P Punk 2	4/4	120BPM
	38	EMO	4/4	120BPM
	39	Core	4/4	120BPM
	40	Nwave	4/4	120BPM
	41	P Rock 1	4/4	120BPM
	42	P Rock 2	4/4	120BPM
	43	P Rock 3	4/4	120BPM
	44	Hard3	4/4	120BPM
Funk	45	Funk 1	4/4	120BPM
	46	Funk 2	4/4	120BPM
	47	Funk 3	4/4	120BPM
	48	Funk 4	4/4	120BPM
Pop	49	Pub	4/4	90BPM
	50	Pop 1	4/4	80BPM
	51	Pop 2	4/4	80BPM
	52	Pop 3	4/4	80BPM

DRUM RHYTHM LIST

Genre	No.	Type	Time Signature	Default Tempo
Blues	53	Blues 1	4/4	120BPM
	54	Blues 2	4/4	120BPM
	55	Blues 3	4/4	120BPM
	56	B-grass	6/8	120BPM
	57	Country	4/4	120BPM
	58	Folk	4/4	120BPM
	59	Blues 4	4/4	120BPM
World	60	Latin 1	4/4	160BPM
	61	Latin 2	4/4	160BPM
	62	Latin 3	4/4	160BPM
	63	Pop 1	4/4	160BPM
	64	Pop 2	4/4	160BPM
	65	Bossa1	4/4	160BPM
	66	Bossa2	4/4	160BPM
	67	Beguine	4/4	160BPM
	68	Mazuke	4/4	160BPM
	69	Samba	4/4	160BPM
	70	Army	4/4	160BPM
	71	March 1	4/4	160BPM
	72	March 2	4/4	160BPM
	73	Musette	4/4	160BPM
	74	NuAge1	4/4	120BPM
	75	NuAge2	4/4	120BPM
	76	Polka	4/4	120BPM
	77	Tango	4/4	120BPM
	78	Ska	4/4	120BPM
	79	Waltz	4/4	120BPM
	80	RAG1	3/4	120BPM
	81	RAG2	4/4	120BPM
	82	World	4/4	120BPM
Jazz	83	Jazz 1	4/4	120BPM
	84	Jazz 2	4/4	120BPM
	85	Jazz 3	4/4	120BPM
	86	Jazz 4	4/4	120BPM
	87	Funk1	4/4	120BPM
	88	Funk2	4/4	120BPM
	89	Funk3	4/4	120BPM
	90	Fusion	4/4	120BPM
Metro	91	1/4	1/4	120BPM

DRUM RHYTHM LIST

Genre	No.	Type	Time Signature	Default Tempo
Metro	92	2/4	2/4	120BPM
	93	3/4	3/4	120BPM
	94	4/4	4/4	120BPM
	95	5/4	5/4	120BPM
	96	6/4	6/4	120BPM
	97	7/4	7/4	120BPM
	98	6/8	6/8	120BPM
	99	7/8	7/8	120BPM
	100	8/9	8/9	120BPM

TROUBLESHOOTING

Device Won't Turn On

- Make sure the power supply is properly connected and the device is switched on.
- Check if the power adapter is working properly.
- Check if you're using the correct power adapter.

No Sound Or Slight Sound

- Make sure your cables are connected properly.
- Make sure the volume knob is adjusted properly.
- When the expression pedal is used for volume control, check it's position and volume settings.
- Check the effects module volume settings.
- Check the patch volume settings.
- Make sure your input device is not muted.

Noise

- Make sure your cables are connected properly.
- Check your instrument output jack.
- Check if you're using the correct power adapter.
- If the noise is coming from your instrument, try using the noise reduction module to adjust it.

Sound Problems

- Make sure your cables are connected properly.
- Check your instrument output jack.
- If you're using an external expression pedal to control distortion or other similar parameters, check to see if the expression pedal is set up properly.
- Check your effects parameter setup. If effects are set to extremes, GP-100 may only emit noise.

Problems With Expression Pedal

- Check your expression pedal on/off settings.
- Try calibrating the pedal.

SPECIFICATION

Technical Specifications

- A/D/A Converter: 24-bit high performance audio
- Sampling Frequency: 44.1 kHz
- SNR: 110dB
- Maximum Simultaneous Effects: 9
- Preset Memory: 99 User Presets/99 Factory Presets
- Looper: 90 seconds of record time
- Drum Machine: 100 Patterns

Analog Input Connections

- Guitar Input: 1/4" Unbalanced (TS)
- Input Impedance: 1M Ohm
- Aux Input: 1/8" Stereo (TRS)
- Aux Input Impedance: 10k Ohm

Analog Output Connections

- Left/Right Outputs: 1/4" Impedance Unbalanced
- Left/Right Output Impedance: 1k Ohms
- Headphone Output: 1/8" Stereo (TRS)
- Headphone Output Impedance: 47 Ohm

Digital Connections

- USB Port: USB 2.0 Type-B port

USB Recording Specification

- Sample Rate: 44.1 kHz
- Bit Depth: Supports 16-bit or 24-bit

Size and weight

- Dimensions: 198 mm(W) x 134 mm(D) x 28 mm(H)
- Unit Weight: 800g

Power

- Power Requirements: DC 9V, 500mA