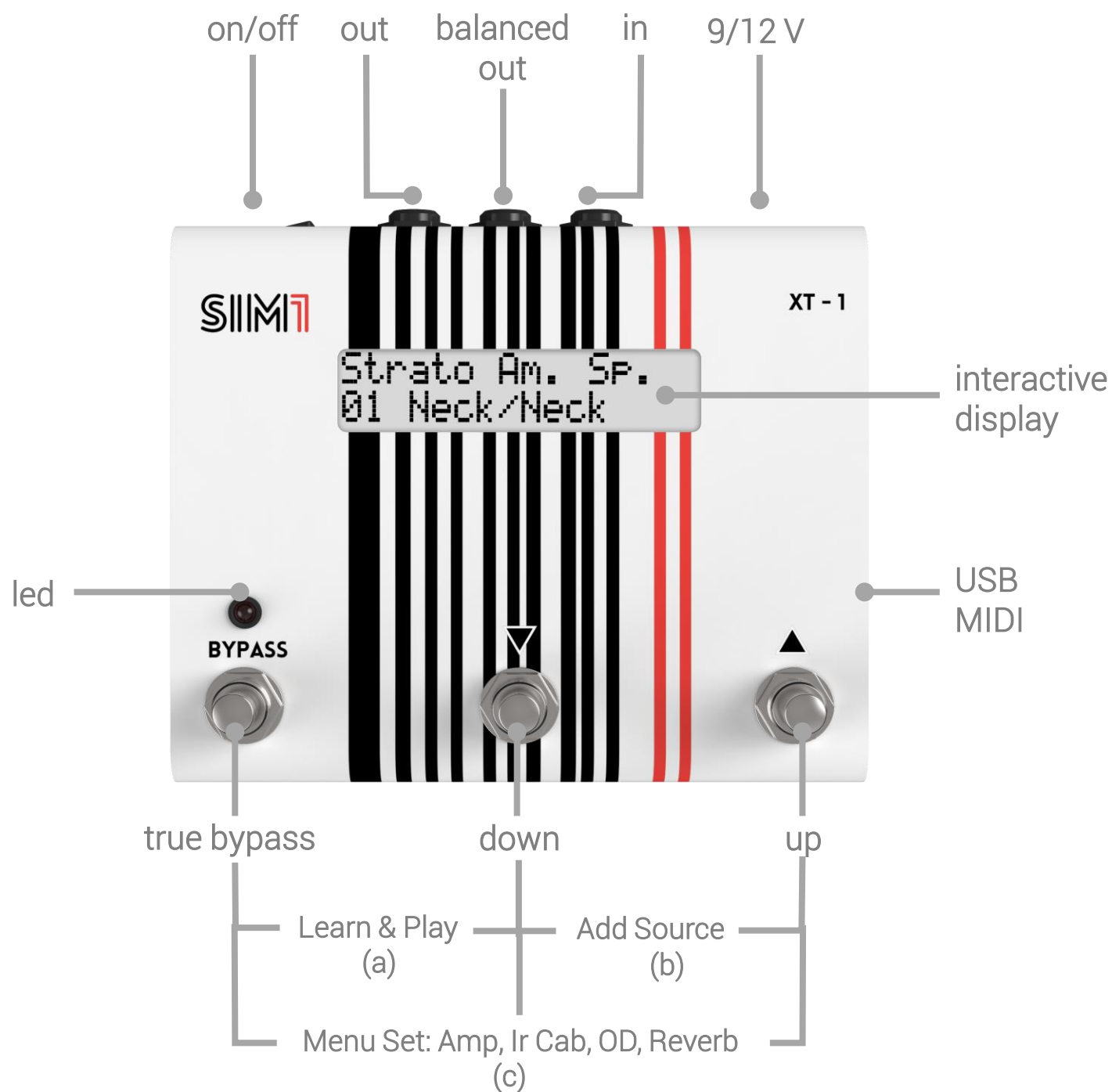




QUICK START GUIDE

Firmware 3.40

XT - 1
ONE PEDAL - INFINITE GUITARS



LEARNING PROCEDURES & EFFECTS MENU

- a. **Learn & Play** - automatic pickups matching (hold bypass + down)

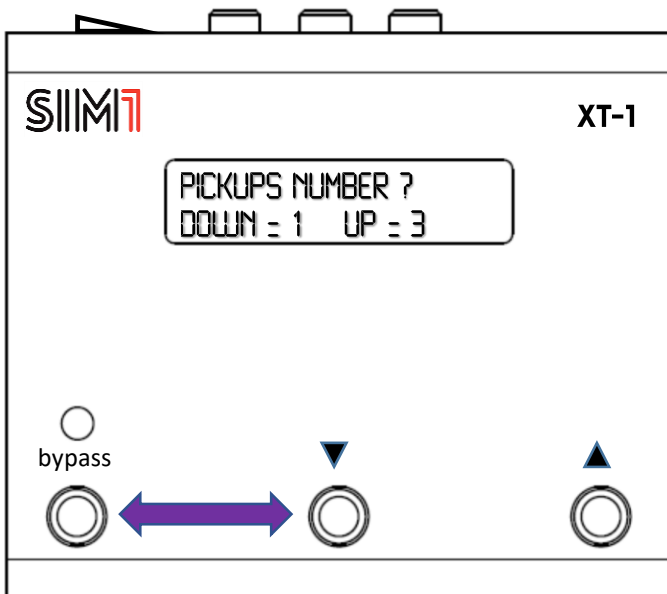
Set up your Source Guitar by recording Neck, Mid and Bridge position pickups. The system will automatically match the Target Guitar pickups with your Source Guitar pickups.

- b. **Add Source** – Learning of one pickup at a time (hold down + up)

Record and store one pickup at a time as Source Guitar. The matching Source/Target pickups is not automatic, it requires the use of the Editor or the App. Through the Editor you can turn the new Source Guitar into a Target Guitar, using the "Show in Target" button in "My Guitars".

- c. **Menu Settings** – set guitars/amp/effects (hold bypass + down + up)

Surf the Effects Menu. Select and set each effect you wish to add to the current Bank. It includes: Source/Target guitar selection, Amp, IR Cabinets, Overdrive, Reverb, Tone Ctrl, Master Gain.



a) **LEARN & PLAY:** Set-up your source guitar (automatic pickups matching).

For a perfect guitar emulation the pedal must learn the tone of each pickup of the Source Guitar. With this procedure it will automatically make the matching between the Target and the Source Guitar pickups.

The XT-1 comes with 99 banks (30 Guitar Profiles Presets - 66 Empty /Bypass). The 30 presets will be visible after you run the very first Learning Procedure.

1. Make sure your Source Guitar is in tune (440 Hz), with volume/tone open;
2. Switch the pickup selector of your Source Guitar to the Neck position
3. Hold simultaneously the BYPASS and DOWN switches on the pedal for 3 seconds. The system will ask you the number of pickups you would like to configure (1 or 3). Press the DOWN switch to configure only 1 pickup, or UP switch to configure 3 pickups. When the countdown is finished the device will start recording (*Hold Down to Abort the procedure*).

4. Play an ascending chromatic scale starting from the E (6 open string), making a progression of 6 notes per string (80 seconds, 2 seconds per note is recommended) – see the tab beside.

Use the following link to watch the tutorial video:
https://www.youtube.com/watch?v=vs4QqvRW05I&list=PLAcvE1aTv_Nu-cVeMTJbYJgnv7ZykqCTS&index=5&t=1s

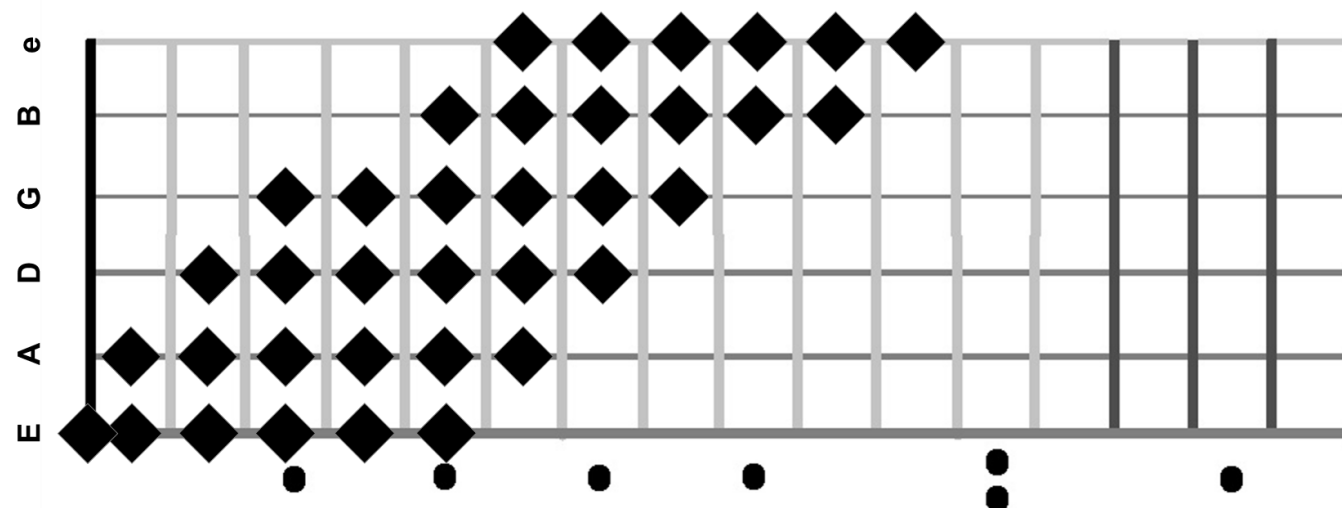
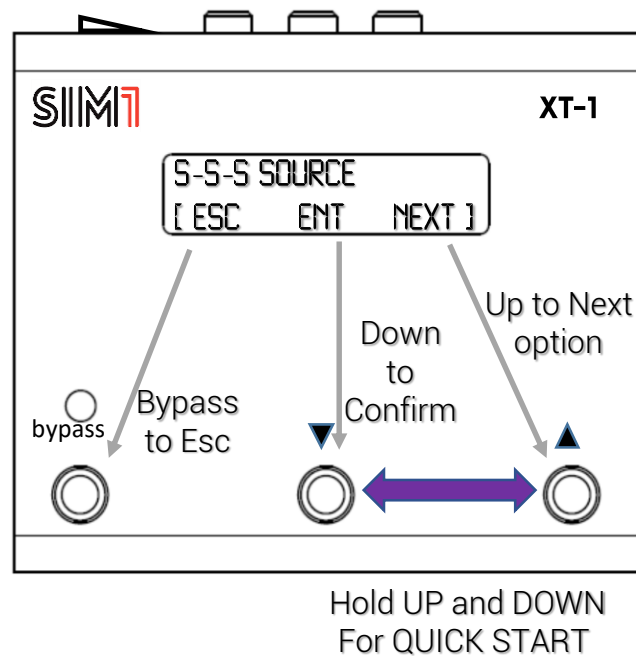
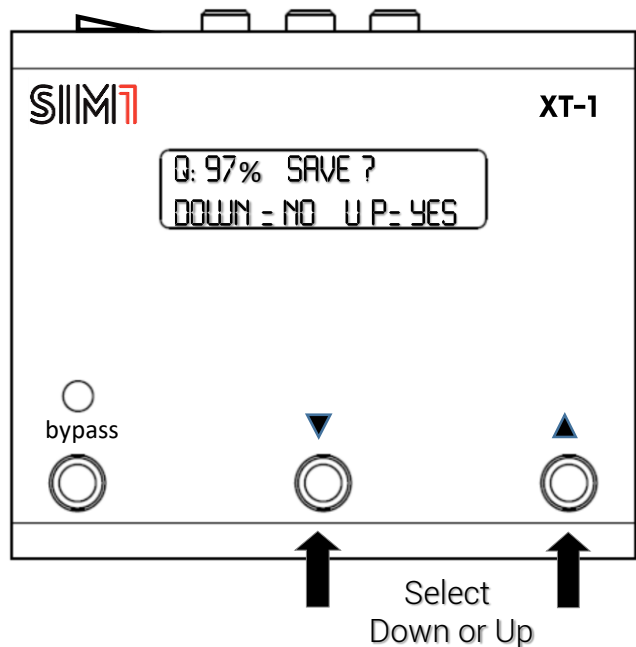


Fig. 1: Guitar Tab of the Chromatic Scale



5. If you are satisfied with the quality rating, then press the **UP** switch, otherwise press **DOWN** switch and repeat the last pickup configuration.

6. If you selected the 3-pickup option, repeat steps 4-5 for mid and bridge pickup as well. (For any reason, during individual Pickup configuration, it is possible to stop the Learning Procedure just pressing the **DOWN** switch for 2 seconds).

7. After you have configured the last pickup (Bridge PU), the system will make a computing process of the sounds loaded in the XT-1 (Display: Computing Progress 00%...100%).

8. At the end of the Computing Process, press the **UP** switch again to end the Learning procedure. At this point the Target Guitar profiles included in XT-1 will be associated to the pickups you just configured. Scroll **UP** and **DOWN** the Switch selectors to test the variety of sounds.

a2) **QUICK START- Source Set Up**

During the very first use, when XT-1 is reset, it is possible to skip the Learning Procedure, by holding for 3 seconds the **DOWN** and **UP** Switches.

You will be asked to choose among 4 Source Guitar pickup configurations: S-S-S, S-S-H, H-H, S-S Tele. Follow the instructions on brackets to set the Source guitar closer to the one you have. NB: the Quick Start Source Guitar Set Up is an approximation. To get best results, the standard procedure is always preferable.

PICKUP MATCHING:

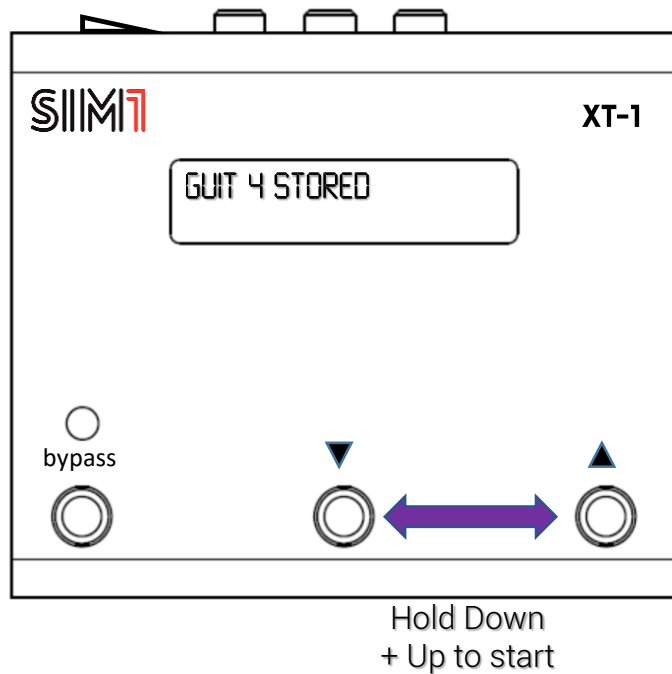
For each Target Guitar Preset, while performing, it is recommended to switch the Pickup position of your Source Guitar to the one suggested on the display. This allows to reach a sound as close as possible to that one of the original Target Guitar.

When the **BYPASS MODE** is activated the Check Indicator will show the red light and the message "True Bypass" will appear on the Display. Now the signal is not processed in any way, and the sound will be the original one of the Source Guitar. The second line of the display shows the guitar/pickup you are supposed to play as Source Guitar. Pressing the BYPASS Switch again, the red light of the check indicator will turn off and the sound will shift to that one of the Target Guitar in use.



The **BALANCED OUTPUT**, connected directly to the mixer of the PA, is useful for instance when playing the sound of a target acoustic guitar. In this way the result will be more realistic and accurate.

The **STANDARD OUTPUT** must be connected to the guitar amplifier. Other effects can be connected in cascade, both through the BALANCED OUTPUT or through the STANDARD OUTPUT.



b) **ADD SOURCE:** Learning one pickup at a time (pickup matching through editor)

This function allows you to record more Source Guitar pickups, without modifying the previous configuration of the pedal. The matching between Target and Source Guitar pickups requires the use of the Editor for PC/Mac.

Useful to:

- Record, as Source Guitars, some different pickup configurations, i.e. positions 2 (Neck+Mid) or 4 (Mid+Bridge) of a Stratocaster model;
- Record as many Source Guitars as you want, to use in a different moment;
- Learn and Store the sound of Guitars to be used as Target (Source Guitars can be Turned into Target Guitars, using the function of the Editor "Show in Target").

1. Make sure your Source Guitar is in tune (440 Hz), with volume/tone open;
2. Switch the pickup selector of your Source Guitar to the one that you wish to profile;
3. Hold simultaneously the UP and DOWN switches on the pedal for 3 seconds. When the countdown is finished the device will start recording (*Hold DOWN to Abort the procedure*).
4. Play the same chromatic scale explained in the Learn & Play paragraph.
5. The newly created Source Guitar will be named with a progressive number (i.e. Guit4, in case Guit1, Guit2, Guit3 were already stored).

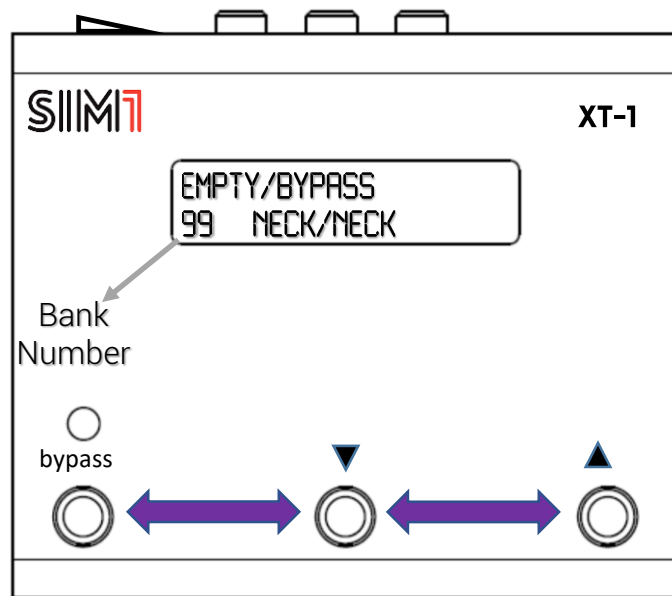
c) **MENU SETTINGS:** set Guitars/Amp/Effects

This menu gives the opportunity for example to set, the bank in use, with a different Source/Target Guitar, to add some effects/cabinet simulation or to set volumes to each guitar profile. This feature allows you to connect the XT-1 directly to the PA or to a powered speaker and use it as a stand-alone pedal.

NB: It substitutes the «Shop Mode» of the previous versions.

Go to any of the 99 banks of the pedal you wish to adjust. Hold down all 3 switches at once for 3 seconds, then follow the instructions on brackets.

Fig. 1



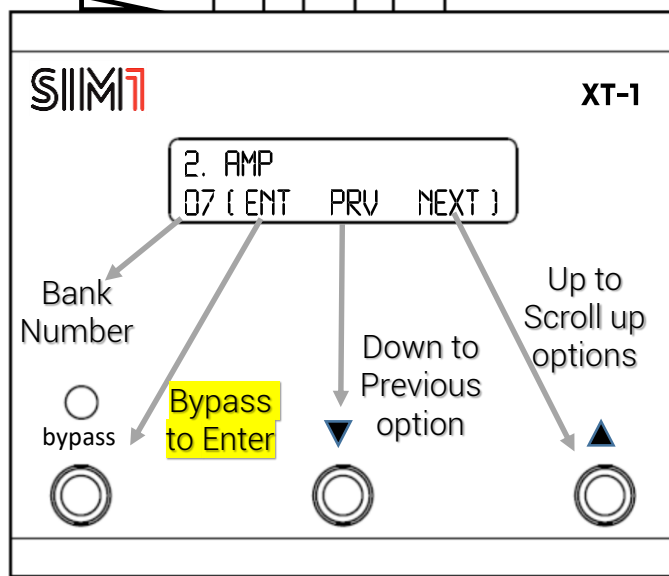
Hold Bypass + Up + Down to Enter
Menu Settings

NEW FEATURES MENU:

1. Target Guit
 - 1.1 Model (Select the Source/Target Guitar in the bank)
 - 1.2 Gain (adjust the volume of each target guitar)
2. Amp
 - 3.1 Amp Status (Select the Amp Model)
 - 3.2 Amp Gain (set the Gain Percentage)
 - 3.3 Amp Level (set the Amp Volume)
2. IR Cabinets (add an Impulse Response Cabinet Emulation)
4. Overdrive
 - 4.1 OD Status (activate the Overdrive)
 - 4.2 OD Drive (set the Overdrive Percentage)
 - 4.3 OD Level (set the Overdrive Volume)
5. Reverb
 - 5.1 Rev Status (activate the Reverb)
 - 5.2 Rev Level (set the Reverb Percentage)
6. Tone Control
 - 6.1 Treble
 - 6.2 Bass
7. Master Gain
 - 7.1 Master Unbal (set the Volume of the Unbalanced Output)
 - 7.2 Master Bal (set the Volume of the Unbalanced Output)
8. Exit

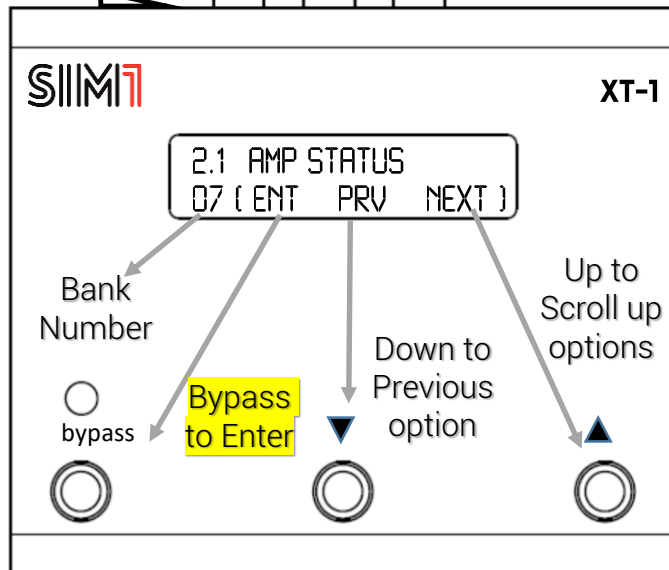
EXAMPLE: How to Edit the Amp Section

2

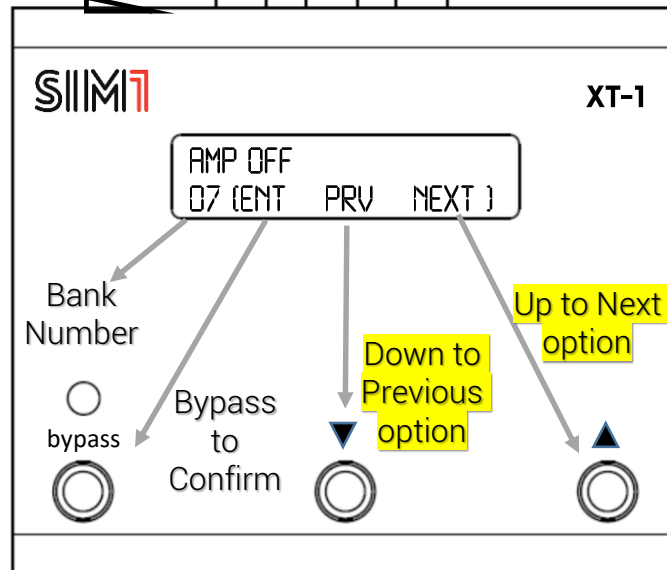


1. Scroll up with the UP Switch until you reach "2 - Amp section";
2. Enter this section through the BYPASS Switch (fig. 2);
3. Enter the section "2.1 Amp Status through the BYPASSN Switch (fig.3);
4. Activate and Select your favourite Amp through UP or Down Switches (fig. 4);
5. Confirm using the BYPASS Switch (fig. 5);

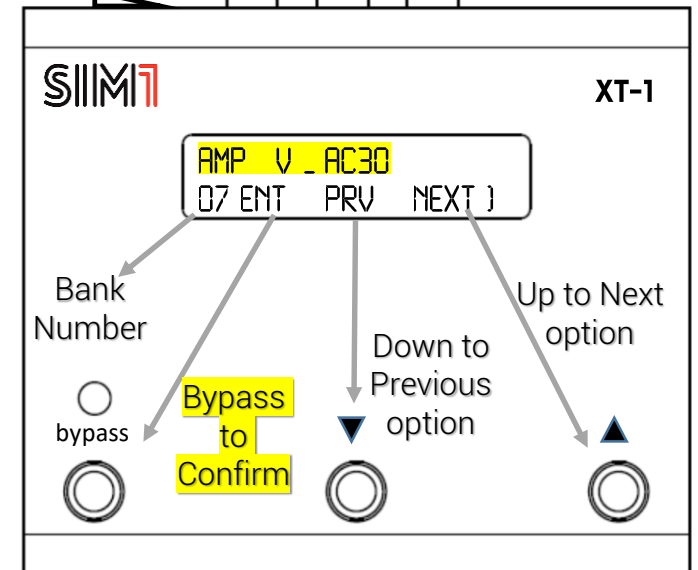
3



4



5



EXAMPLE: How to Edit the Amp Section

6. Scroll up with the UP Switch to get to the 2.2 AMP GAIN section;

7. Enter this section through the Bypass Switch (fig. 6);

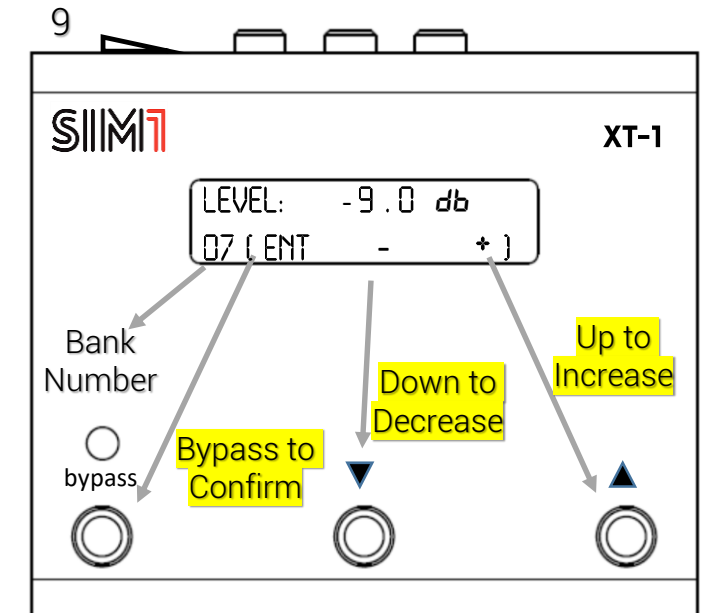
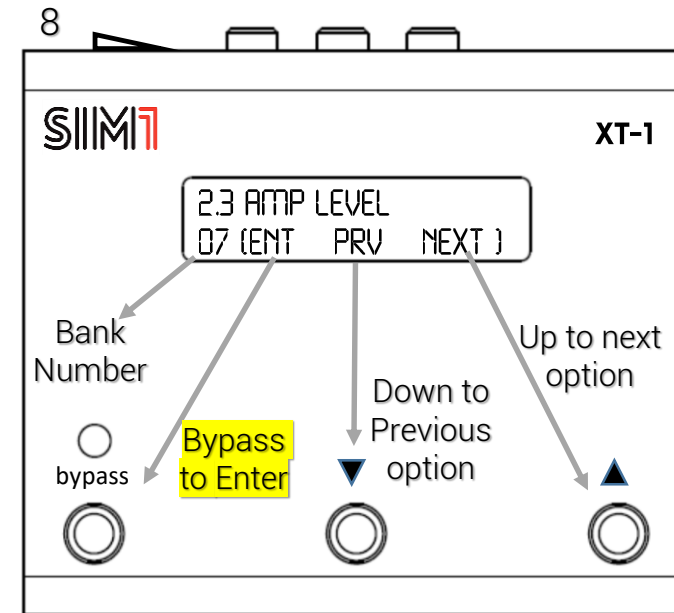
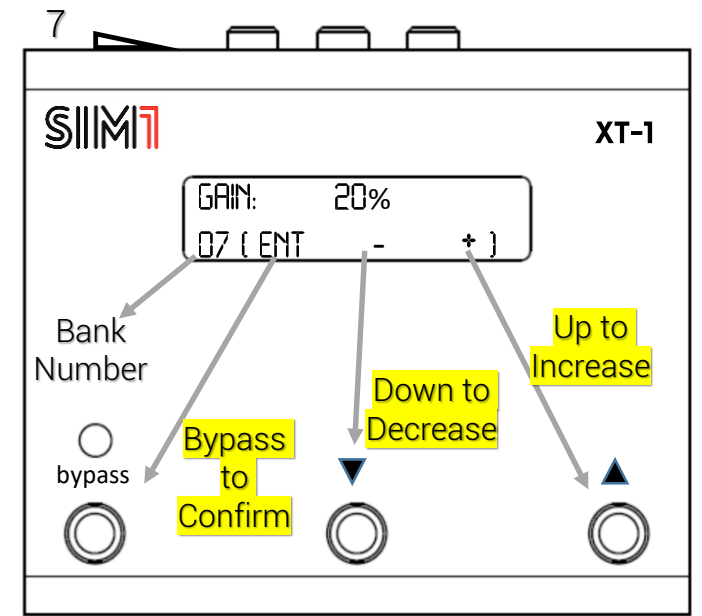
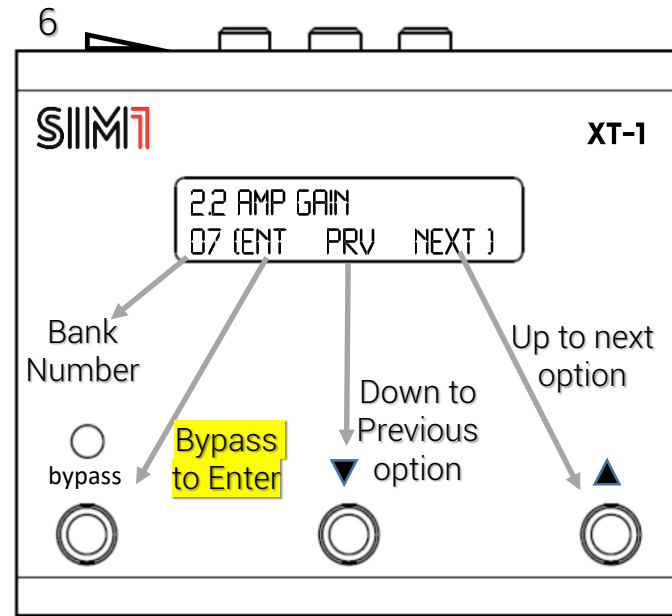
8. Adjust the Gain level through the DOWN/UP Switches (fig. 7);

9. Confirm using the BYPASS Switch;

10. Scroll up with the UP Switch to get to the 2.3 AMP LEVEL section;

11. Enter this section through the BYPASS Switch (fig. 8);

12. Adjust the Drive Vol. through the DOWN/UP Switches, then press BYPASS to confirm (fig. 9);



EXAMPLE: How to Edit the Amp Section

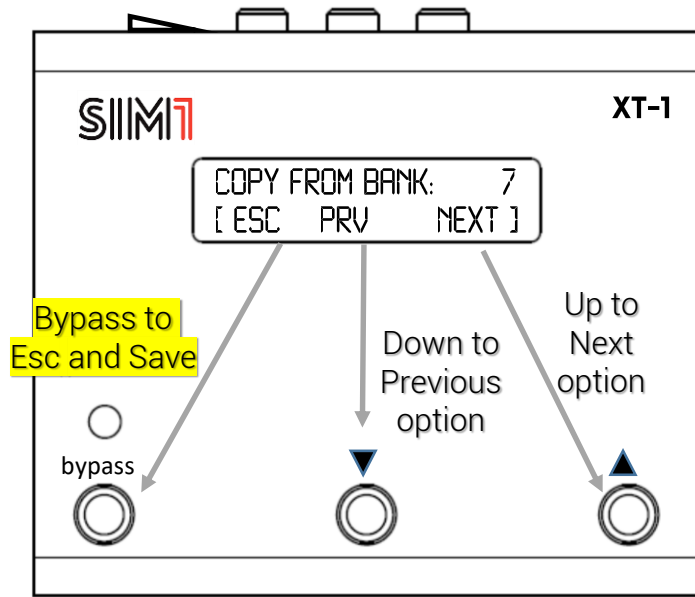


Fig. 10

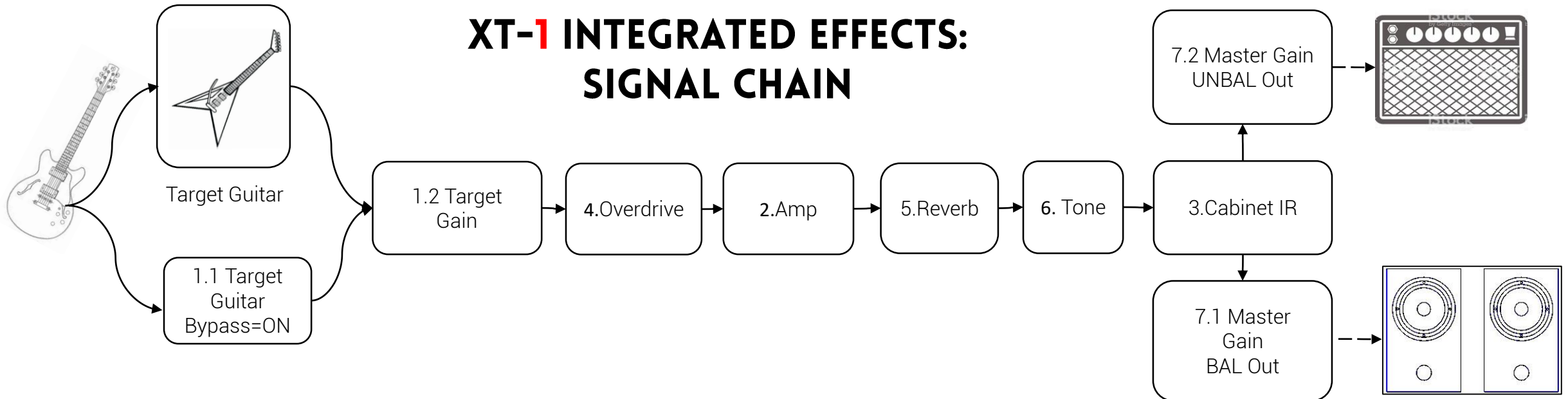
13. Leave the AMP Section through 2.4 EXIT. When you finish editing your preset, go to the section 8. EXIT. You will be asked to **SAVE** the **CHANGES**;

14. In any section, you can even hold **BYPASS** Switch [Ent] to **EXIT** and eventually **SAVE** the **CHANGES**.

CLONE EFFECTS FORM OTHER BANKS

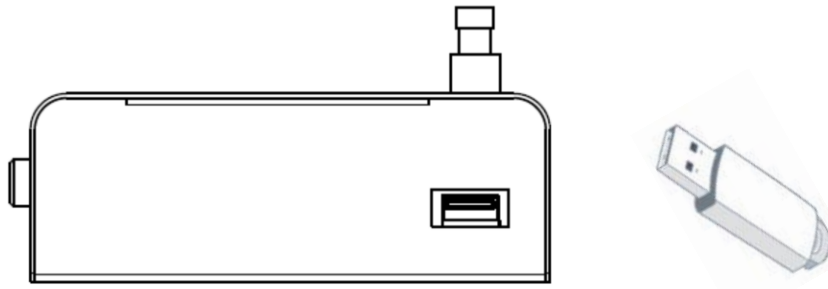
On each bank of XT-1 it is possible to Copy/Paste the PreAmp/Effects settings from a different preset. Go to the bank you wish to modify, hold the Bypass Switch for 2 seconds, and follow the instructions on brackets (fig. 10).

XT-1 INTEGRATED EFFECTS: SIGNAL CHAIN



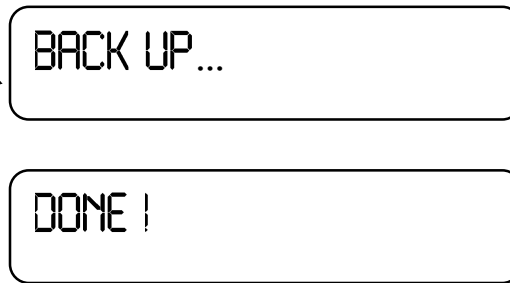
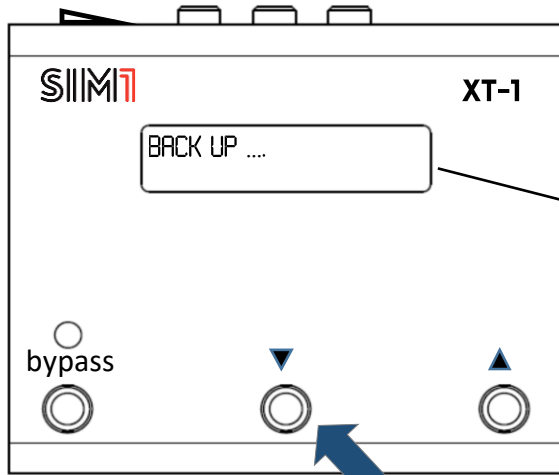
USB PORT: Backup & Upgrade for the Configuration Manager Software

XT-1 is equipped with a USB Port 2.0, which must be used strictly with a USB pendrive in order to transfer the Back Up of profiles (both source guitars and target guitars) from XT-1 to the Configurator Manager Software, and to reload your profiles (Upgrade) in your device after editing.



BACKUP PROCEDURE

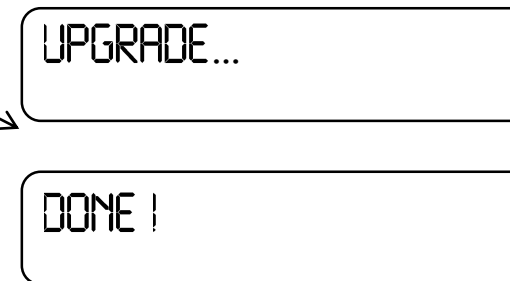
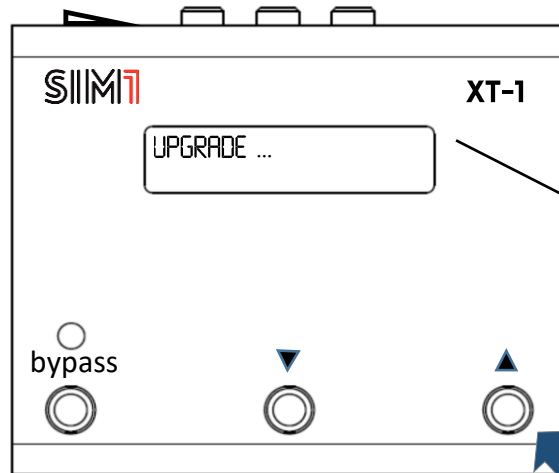
Insert the USB pendrive in the USB port, then for 3 seconds press the DOWN Switch. At this point on the display will appear "Back Up...". Leave the USB pendrive inserted into the unit until all the data will be transferred to the key, and "Done!" will appear on the display. Now it is possible to remove the pendrive and to insert it to the PC/MAC in order to import the backup file (xt1.arc) on the Configurator Manager. For more information on the Configurator Software Use see the related tutorial video.

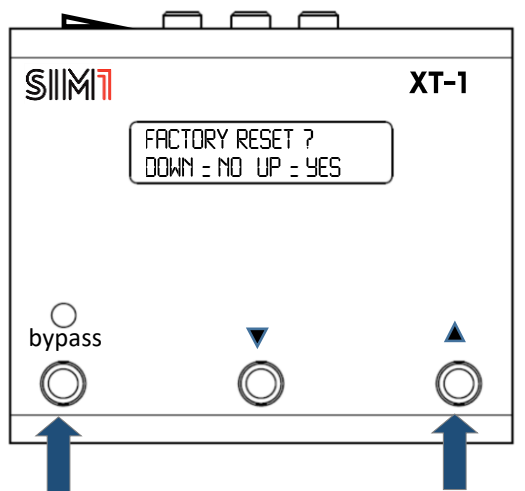


UPGRADE PROCEDURE

Once all data has been saved from the Configurator Manager Software to the Pen Drive, bring it back to the USB port of the pedal, then hold for 3 seconds press the UP Switch. At this point on the display will appear "Upgrade..". Leave the pendrive inserted into the unit until all the data has forwarded to the XT-1, and "Done!" will appear on the display. Now it is possible to remove the pendrive. For more information on the Configurator Manager watch the tutorial video:

https://www.youtube.com/watch?v=b6AMX52A6gE&list=PLAcvE1aTv_Nu-cVeMTJbYJgnv7ZykqCTS&index=2

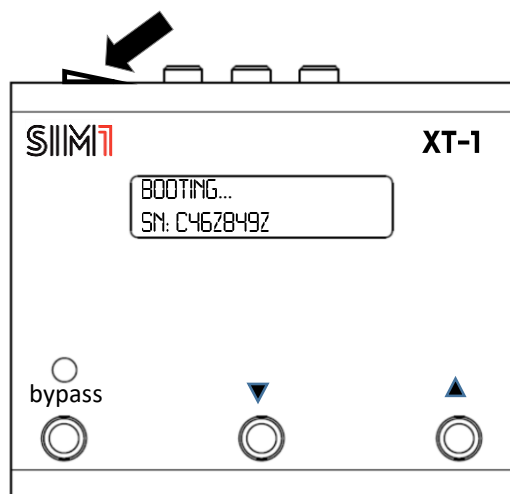




Hold simultaneously the two switches to reset the device

RESET PROCEDURE:

In order to reset the device at the factory default settings you must hold simultaneously the **BYPASS** and **UP** Switches for 3 seconds. You will be asked to confirm this procedure: press "UP" Switch to **definitively** reset, "Down" Switch if you **don not want to reset**. After the reset procedure all the Source and Target Guitars inside XT-1 will be restored to those of factory default setting. It is strongly suggested to make a backup before making this procedure, in order not to definitively lose Guitars (either Sources or Targets).



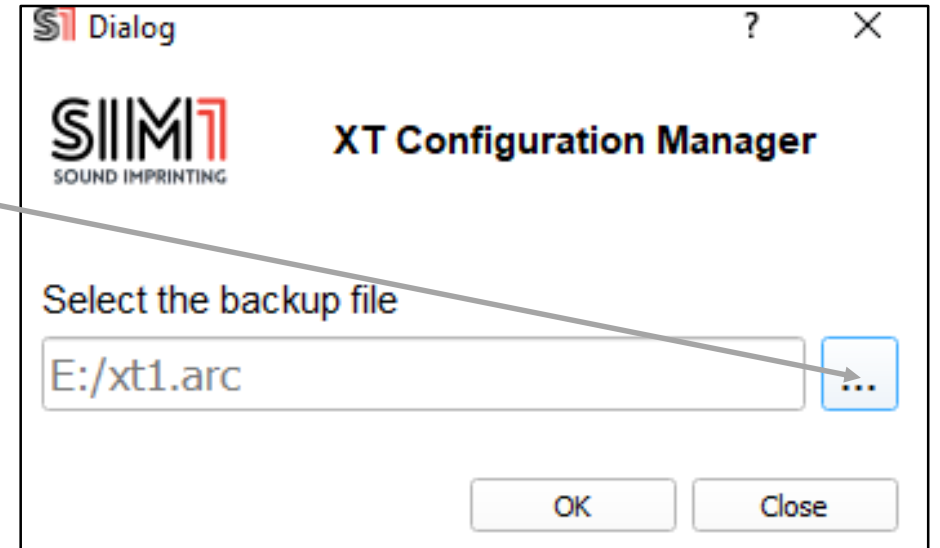
Switch the pedal on to get the XT-1 Code

XT-1 CODE:

By switching the pedal on, during the booting process, the XT-1 Code, a unique serial number, will appear on the display. This code is useful to **register your device in the SIM1 Web-Store** (<https://store.sim-one.it/>) or in the **App**. This procedure will allow you to use the new sounds you will buy or you will download for free from the Community. Please note that if you do not enter the XT-1 Code on the Web/App correctly, the downloaded sounds will not be correctly installed in your XT-1 device and it will report an error.

CONFIGURATION MANAGER 2.0 for PC/Mac

1. Create an account on the Online Store <https://store.sim-one.it/>, making sure to register your pedal with the correct XT-1 code;
2. Buy or Download for free some new Guitar Profiles from the Community;
3. In the «Download» section of the website <http://www.sim-one.it/> get and install the Configuration Manager for PC/Mac in your Computer;
4. Browse the content of your pendrive and select the backup file «xt1.arc»;
5. Click on «Sync with Store» to get the new Guitar profiles you ordered from the Store;
5. Click on any Guitar of the "Target" column to check the available instruments, and select the one you wish to insert on that bank;
6. Create your favourite configuration (matching Source/Target guitars) in the available 30 banks. Edit Volumes and add Cabinets Simulations (IR);
7. Save your new configuration on the USB pen drive, and Exit. Bring the Pendrive to the pedal and hold the UP switch in order to do the Upgrade procedure and transfer the new configuration on XT-1.



CONFIGURATION MANAGER 2.0 for PC/Mac

Midi Master: control with
XT-1 other MIDI devices

MIDI Mode MIDI Ch

☐ Master ☒ Slave All

Bank	Source	Target	Midi	Cabinets	Master Gains
1	guit26 Neck	Gibson® Les Paul® 1959 Collector Choice Neck	PrCh 1 PrCh Bypass None	None	Out 0dB Bal.Out -∞
2	guit26 Neck	Paul Red Smith® Custom 24 Neck	PrCh 2 PrCh Bypass None	None	Out 0dB Bal.Out -∞
3	guit26 Neck	Gretsch® G6120T Play Ed. Neck	PrCh 3 PrCh Bypass None	None	Out 0dB Bal.Out -∞
4	guit26 Neck	Gibson® ES-175 Figured Natural Neck	PrCh 4 PrCh Bypass None	None	Out 0dB Bal.Out -∞
5	guit26 Neck	Fender® Stratocaster® '57 John Cruz Master Custom Shop Neck	PrCh 5 PrCh Bypass None	None	Out 0dB Bal.Out -∞
6	guit26 Neck	Suhr® Standard Pro Neck	PrCh 6 PrCh Bypass None	None	Out 0dB Bal.Out -∞
7	guit26 Neck	Fender® Mustang® Neck	PrCh 7 PrCh Bypass None	None	Out 0dB Bal.Out -∞
8	guit26 Neck	Fender® Telecaster® American Vintage '64 Neck	PrCh 8 PrCh Bypass None	None	Out 3.52dB Bal.Out -∞

My Guitars Sync With Store Save the Configuration Save as Save Exit

Select the Source Guitar

Select the Target Guitar

Insert Bypass in the Bank

Adjust the Target Guitar Gain

Assign a MIDI Program Change in the Bank

Load and insert IR for Cabinet Simulations

Adjust the Master Gain of the 2 independent outputs


Edit source guitar names/
Turn Source into Target/send to the Community

Download the guitar tones you got from the Store/Community

TECHNICAL SPECIFICATIONS

Total pre-sets	30
Target Guitars pre-loaded	12
AD Conversion	32 bit
DA Conversion.....	32 bit
Sample Rate	48/96 kHz
Input Impedance	1 MΩ
Output Impedance (Standard Output-OUT).....	680 Ω
Output Impedance (Balanced Output-BAL)	10 kΩ
Recommended Load Impedance	10 KΩ or Greater
Signal To Noise ratio	> 104 dB
Controls.....	On/Off switch, Switches Up & Down , Switch Bypass
USB Port.....	2.0
Indicators.....	Display Lcd (2 lines, 16 typefaces each)
Connectors.....	jack ¼ inch (Input/Output/Balanced Output)
Connector AC Adaptor Jack	5.5*2.1mm
Power Supply	AC 9V-1 A o 12 V 500 mA – sold separately
Polarity.....	Negative inner
Dimensions	147 (W) 125 (D) 47 (H) mm
Weight	680 g.
Accessories	User's Manual, AC Adaptor, Wi-Fi USB Adapter
Options	USB Pen Drive
Midi Program Change.....	through MIDI/USB adapter (Not included)

Graphics or painting imperfections are due to handcraft production



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