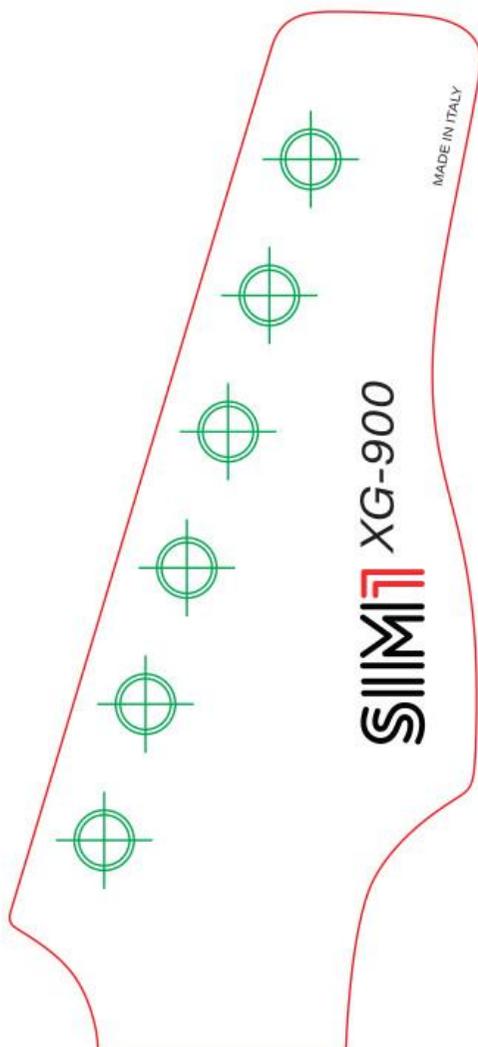


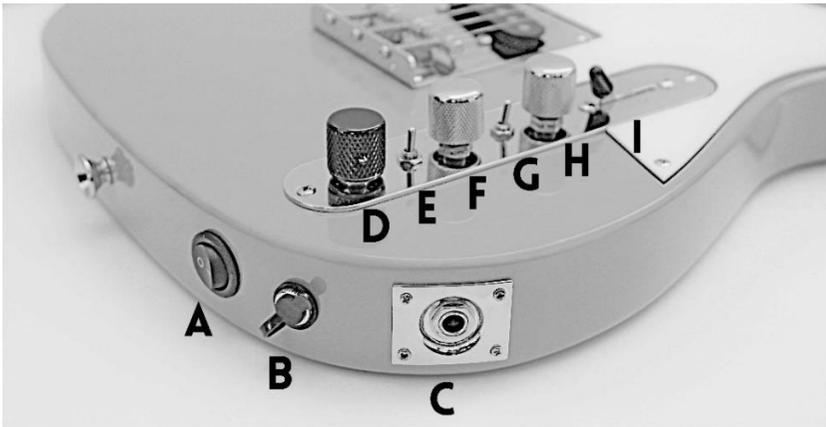
XG-900

MODELING GUTAR by SIM1



Dear Customer, thank you for purchasing XG-900 Modeling Guitar. When the “Easy Mode” is ON, each editing related to Amp Model, Gain, Reverb, Overdrive, will be spread to all the Guitar Models. This manual will show you how you can switch to the “Full Editing Mode”, in this way each bank of the guitar will be totally “independent”. The User will have the possibility to have different settings in terms of Target Guitar Pickup, Volume, Overdrive, Reverb, Amp Model, IR, for each bank. We are sure you will enjoy the variety of sounds and the playability of a handcraft, truly innovative, instrument.

SIM1's Team



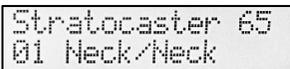
A – On/Off button: When in OFF position XG-900 works as a standard Electric Guitar. The Pickup Selector (I) works to select the Neck Pickup (Position 1 and 2), Mid Position Pickup (Position 3), Bridge Pickup (Position 4 and 5). Then you can adjust the Volume Knob (H) and the Tone Knob (F).

B – Battery Charger Outlet: Remove the plastic cap and connect the battery charger to the guitar and to the electric socket. To check the battery level, turn the guitar on (A), then tap the Black Rotary Selector (D). Battery Life: Up to 6,5 hours

C – Jack Output: Use a standard jack cable to connect the guitar to a power speaker, to a guitar amp or to the mixer.

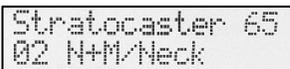
D – Black Rotary Selector: Rotate Clockwise, or Anticlockwise, to view the Guitar Selections. Tap it to change guitar model in use. Tap and hold for 2 seconds to enter the Menu Options. Navigate the Menu by rotating Clockwise and Anticlockwise. Tap it each time you wish to Enter a new section or confirm a new setting.

The **Guitar Model** in use is visualized on the screen, along with the **Bank Number**, the **Target Guitar Pickup**, and the **Source Guitar Pickup** in use.



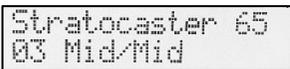
Stratocaster 65
01 Neck/Neck

1st Position of the Pickup Selector



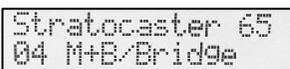
Stratocaster 65
02 N+M/Neck

2nd Position of the Pickup Selector



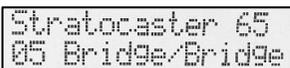
Stratocaster 65
03 Mid/Mid

3rd Position of the Pickup Selector



Stratocaster 65
04 M+B/Bridge

4th Position of the Pickup Selector

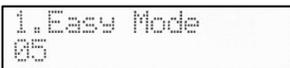


Stratocaster 65
05 Bridge/Bridge

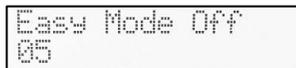
5th Position of the Pickup Selector

FULL EDITING MODE

Switch your XG-900 on **(A)** and wait until the booting is finished. Tap and Hold the **Black Rotary Selector (D)** for 2 seconds.



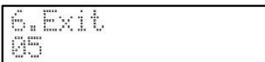
1.Easy Mode
05



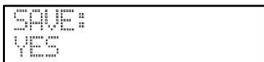
Easy Mode Off
05

Tap on “Easy Mode” Section then rotate clockwise or anticlockwise the Black Rotary Knob, until you get “Easy Mode Off”, then Tap to confirm.

Surf the Menu until you get the Section “6. Exit”, tap on it. Rotate until you get “Save: Yes”, then tap on it to confirm.



6.Exit
05



SAVE:
YES



SAVE:
NO

From now on, each time that you enter the Menu, you will have access to the following options:

1. **Easy Mode:** tap to set the XG-900 to be played with the Easy Mode Configuration.

2. **Target Guilt:** tap to enter the following options
 - 2.1 **Model >** Tap to modify the Target Guitar Model of the bank in use.
 - 2.2 **Gain >** Tap to have the possibility to Increase/Decrease the Gain of the Target Guitar Pickup in use. Tap to Confirm and Exit.
 - 2.3 **Exit >** Tap to Exit and go back to the main menu.

3. **Amp:** Tap to enter the Amp Section.
 - 3.1 **Amp Status >** Tap and Rotate to view the Amp Models selection, then Tap to Confirm and Exit to the Amp Menu.
 - 3.2 **Amp Gain >** Tap and Rotate to adjust the Amp Gain, then Tap to Confirm and Exit to the Amp Menu.
 - 3.3 **Amp Level >** Tap and Rotate to adjust the Amp Volume, then Tap to Confirm and Exit to the Amp Menu.
 - 3.4 **Exit >** Tap to Exit and go back to the main menu.

4. **IR Cabinet:** Tap and Rotate to view the Cabinet Models selection, then Tap to Confirm and Exit to the Main Menu.

5. **Overdrive:** Tap to enter the Overdrive Section.
 - 5.1 **OD Status >** Tap and Rotate to set the Overdrive ON/OFF, then Tap to Confirm and Exit to the Overdrive Menu.
 - 5.2 **OD Drive >** Tap and Rotate to adjust the Overdrive Gain, then Tap to Confirm and Exit to the Overdrive Menu.
 - 5.3 **OD Level >**
 - 5.4 **Exit >** Tap to Exit and go back to the main menu.

6. **Reverb:** Tap to enter the Reverb Section.
 - 6.1 **Rev Status >** Tap and Tap and Rotate to adjust the Overdrive Volume, then Tap to Confirm and Exit to the Overdrive Menu. Rotate to set the Reverb ON/OFF, then Tap to Confirm and Exit to the Reverb Menu
 - 6.2 **Rev Level >** Tap and Rotate to adjust the Reverb Level, then Tap to Confirm and Exit to the Reverb Menu.
 - 6.3 **Exit >** Tap to Exit and go back to the main menu.

7. **Tone Ctrl:**
 - 7.1 **Treble >** Tap and Rotate to adjust the Treble Frequencies, then Tap to Confirm and Exit to the Tone Ctrl Menu.

7.2 **Bass** > Tap and Rotate to adjust the Bass Frequencies, then Tap to Confirm and Exit to the Tone Ctrl Menu.

7.3 **Exit** > Tap to Exit and go back to the main menu.

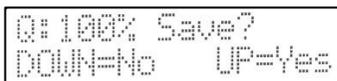
8. **Master Gain:** Tap and Rotate to adjust the Master Gain Level, then Tap to Confirm and Exit to the Main Menu.

9. **Functions:** Tap to enter the following options.

9.1 **Learn & Play** > Tap to Start the Learning Procedure.

This procedure is useful for a perfect "tone matching" between the source guitar pickups and the Target Guitar Pickups, helping to reach the best possible realism, in terms of guitar tone emulation. XG-900 has a Telecaster model as pre-installed Source Guitar; therefore the Learning Procedure is recommended only if you modify the physical setup of the guitar. Here you have a tutorial video, made using the pedal XT-1 <https://youtu.be/vs4QqvRWO5I>

The chromatic scale you must play is the same. At the end of each pickup recording, rotate clockwise the Black Rotary Selector (D) to confirm, or anticlockwise if you wish to repeat the recording of the same pickup position.



UP= Clockwise

Down= Anticlockwise

9.2 **Backup** > Tap to save in a USB Pendrive the current Configuration. NB: The USB Port is located in the rear of the Guitar Body. Use a Allen Key to open the big black panel and have access to the USB Port.

9.3 **Restore** > Tap to transfer a new Configuration to the Guitar, through a USB Pendrive. NB: The USB Port is located in the rear of the Guitar Body. Use a Allen Key to open the big black panel and have access to the USB Port.

9.4 **Factory Reset** > Tap to Reset the Guitar to the factory Settings and Configuration.

9.5 **Exit** > Tap to Exit and go back to the main menu.

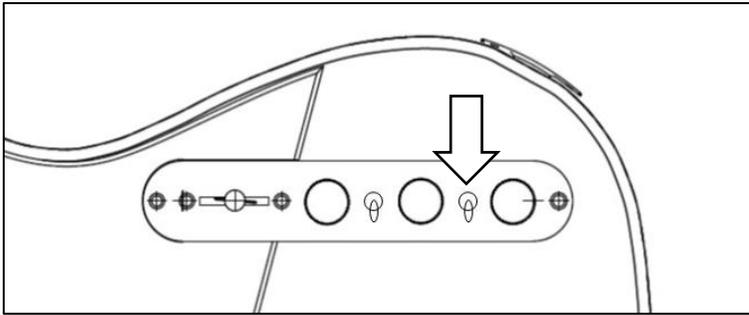
10. **Exit:** Tap to Exit and Save the Bank.

CONTROLS ON THE GUITAR FOR LIVE PERFORMANCES

D – Black Rotary Selector: by rotating it, clockwise or anticlockwise it is possible to view the Guitar Selections. Tap it to change guitar model in use.

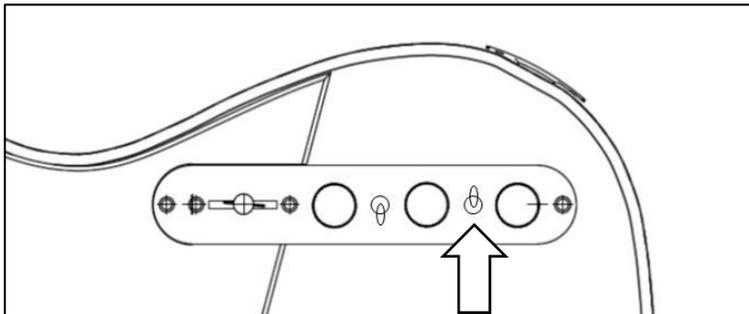
NB: In the Factory Configuration each Guitar Model occupies 5 consecutive banks (1 bank for each position of the pickup selector). Each position of the Black Rotary Selector (D) moves 5 banks Up/Down. This allows to change Guitar Model.

E – Amp/Fx Switch: Activate/Disactivate the Amp Models and the Effects



1. Amp Off

When this switch is in OFF position you are using only the Guitar Models, therefore it is suggested to connect XG-900 to a guitar amp.



2. Amp On

When the switch is in ON position the Amp Models and the Effects on-board are activated. This means that you can connect XG-900 directly to the mixer. Each time that you activate the Amp/FX Section you can adjust the Gain percentage:

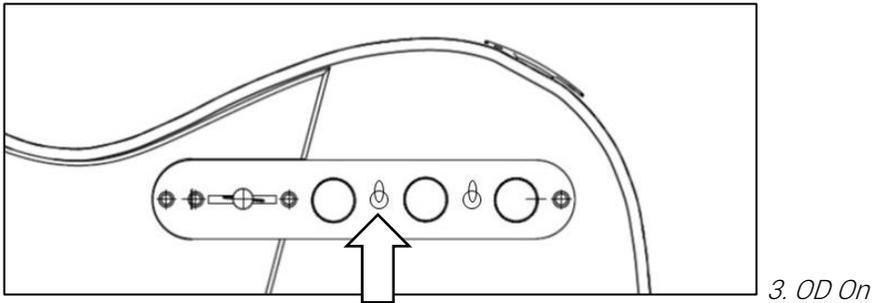
- Rotate clockwise or anticlockwise the Black Rotary Knob (D) until you get the desired gain, then Tap it confirm.

You can check each setting adjustment through the Screen of the guitar.

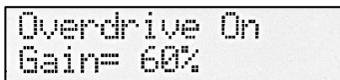


NB: Unlike the EASY MODE, when using the XG-900 with the FULL EDITING MODE, the gain adjustment will not be stored. This means that, if you deactivate and activate again the AMP/FX Section, the gain level will go back to the one previously set through the Menu Option **(D)** of the guitar or through the Editor for PC/Mac.

G – Overdrive On/Off: Activate/Disactivate the Overdrive Effect.



When the switch is in ON position the Overdrive Effect is activated. Now it is possible to adjust the Overdrive Gain, then Tap the Black Rotary Knob **(D)** to confirm and exit to the Guitar Models list.



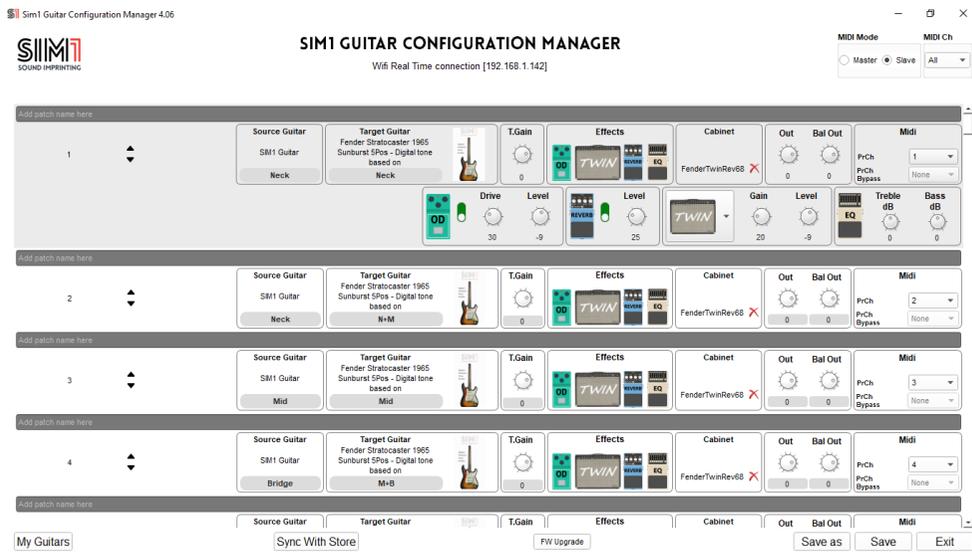
NB: Unlike the EASY MODE, when using the XG-900 with the FULL EDITING MODE, the gain adjustment will not be stored. This means that, if you deactivate and activate again the Overdrive Switch, the gain level will go back to the one previously set through the Menu Option **(5. Overdrive)** of the guitar or through the Editor for PC/Mac.

I – Pickup Selector: The Modeling Guitar has a 5 ways Pickup Selector; each position corresponds to a Bank of its Configuration, which is occupied by a Target Guitar Pickup. XG-900 has been previously configured with 18 guitar models, each of which has a variable number of pickups.

XC-900 EDITOR FOR MAC/PC

When the Easy Mode is Off, it is possible to Edit the Guitar Configuration easily and quickly, through the Editor for PC/Mac.

Find the latest firmware update of the Editor in the "Download" section of the SIM1 Website > <https://sim1guitar.com/download/>



Wi-Fi Setup for Real Time Editing

1) Connect your Computer to the Guitar, via Wi-Fi

- The Dongle Wi-Fi USB Adapter (Edimax EW-7811UN* - separated accessory) is already inserted in the USB port of the Guitar. The USB Port is located in the rear of the Guitar Body. Use a Allen Key to open the big black panel and have access to the USB Port.
- Switch your XC-900 on. The dongle Wi-Fi will start to flash.
- Check the available Wi-Fi Networks on your Mac or PC and connect it to the "SIM1Hotspot", using the following password: 1234567890.

- 2) Launch the Software Configuration Manager 4.6 that you previously installed in your Mac or PC.



- Click on "Connect" to load your XG-900 Configuration and start editing the sounds in Real Time.
- Click on "Setup" to configure the Wi-Fi Network. This allows to connect both, the Guitar and your Computer, to the same Wi-Fi network. They will be able to communicate one with each other, without losing the internet connection.
- Click on "Open Backup" if you wish to open any Backup Configuration (xt1.arc) without Real Time Editing.

3) Wi-Fi Setup



- When connected to "SIM1 Hotspot", write name and password of your Wi-Fi home or office network.
- Click "Write configuration", the pedal will automatically reboot, and both devices will be connected to the same router. XT-1 will memorize this network and it will be automatically connected to it every time is nearby this Wi-Fi spot.
- Click on "Connect" to load your Configuration and start editing the sounds in Real Time.

NB: When XT-1 is connected to your Wi-Fi Network, SIM1Hotspot is not visible anymore. Switch off your router and restart XT-1 if you wish to have a direct connection with XT-1.

* The Editor and XT-1 are configured to be used with this Dongle Wi-Fi model only

4) Edit your XT-1 Configuration

Sim1 Guitar Configuration Manager 4.06



SIM1 GUITAR CONFIGURATION MANAGER

Will Real Time connection [192.168.1.142]

MIDI Mode MIDI Ch
 Master Save All

The screenshot displays the SIM1 Guitar Configuration Manager software. It features a top navigation bar with the SIM1 logo and connection status. Below this, there are four patch slots, each containing a Source Guitar, Target Guitar, and various effect and output controls. The controls include T.Gain, Effects (OD, TWIN, REVERSE, EQ), Cabinet, Out, Bal Out, and MIDI settings. At the bottom of the interface, there are buttons for 'My Guitars', 'Sync With Store', 'FW Upgrade', 'Save as', 'Save', and 'Exit'. A large black arrow points from the 'Save as' button to the first bullet point in the list below.

- Don't forget to save your new Configuration, otherwise the changes applied will be lost, when you switch the pedal off. By clicking on "Save" you will store your edits directly to the XT-1.
- By clicking on "Save as" you will be asked to rename and save a Backup file (.arc) in any folder you wish.

GUITAR MODELS - FACTORY CONFIGURATION

NB: Each Guitar Model occupies 5 banks (1 bank for each position of the pickup selector). Each position of the Black Rotary Selector (D) moves 5 banks Up/Down. This allows to change Guitar Model.

Bank N°	Guitar Model	Pickup Target	Pickup Source	Pickup Selector Position
1	Stratocaster '65	Neck	Neck	1
2	Stratocaster '65	N+M	Neck	2
3	Stratocaster '65	Mid	Mid	3
4	Stratocaster '65	M+B	Bridge	4
5	Stratocaster '65	Bridge	Bridge	5
6	Nocaster CS '51	Neck	Neck	1
7	Nocaster CS '51	Neck	Neck	2
8	Nocaster CS '51	Mid	Mid	3
9	Nocaster CS '51	Bridge	Bridge	4
10	Nocaster CS '51	Bridge	Bridge	5
11	Les Paul '59 Collectors C.	Neck	Neck	1
12	Les Paul '59 Collectors C.	Neck	Neck	2
13	Les Paul '59 Collectors C.	Mid	Mid	3
14	Les Paul '59 Collectors C.	Bridge	Bridge	4
15	Les Paul '59 Collectors C.	Bridge	Bridge	5
16	Suhr Standard Pro	Neck	Neck	1
17	Suhr Standard Pro	Neck	Neck	2
18	Suhr Standard Pro	Mid	Mid	3
19	Suhr Standard Pro	Bridge	Bridge	4
20	Suhr Standard Pro	Bridge	Bridge	5
21	Ibanez Jem 777	Neck	Neck	1
22	Ibanez Jem 777	Neck	Neck	2
23	Ibanez Jem 777	Mid	Mid	3
24	Ibanez Jem 777	Bridge	Bridge	4
25	Ibanez Jem 777	Bridge	Bridge	5
26	Fender Mustang	Neck	Neck	1
27	Fender Mustang	Neck	Neck	2
28	Fender Mustang	Mid	Mid	3
29	Fender Mustang	Bridge	Bridge	4
30	Fender Mustang	Bridge	Bridge	5
31	Gibson SG Angus Young	Neck	Neck	1
32	Gibson SG Angus Young	Neck	Neck	2
33	Gibson SG Angus Young	Mid	Mid	3
34	Gibson SG Angus Young	Bridge	Bridge	4
35	Gibson SG Angus Young	Bridge	Bridge	5
36	Stratocaster Jeff Back	Neck	Neck	1
37	Stratocaster Jeff Back	N+M	Neck	2
38	Stratocaster Jeff Back	Mid	Mid	3
39	Stratocaster Jeff Back	M+B	Bridge	4
40	Stratocaster Jeff Back	Bridge	Bridge	5
41	Gretsch G6120T	Neck	Neck	1
42	Gretsch G6120T	Neck	Neck	2
43	Gretsch G6120T	Mid	Mid	3
44	Gretsch G6120T	Bridge	Bridge	4
45	Gretsch G6120T	Bridge	Bridge	5
46	Gibson ES-175	Neck	Neck	1
47	Gibson ES-175	Neck	Neck	2
48	Gibson ES-175	Mid	Mid	3

Bank N°	Guitar Model	Pickup Target	Pickup Source	Pickup Selector Position
49	Gibson ES-175	Bridge	Bridge	4
50	Gibson ES-175	Bridge	Bridge	5
51	Gibson ES-335	Neck	Neck	1
52	Gibson ES-335	Neck	Neck	2
53	Gibson ES-335	Mid	Mid	3
54	Gibson ES-335	Bridge	Bridge	4
55	Gibson ES-335	Bridge	Bridge	5
56	Rickembacker 360	Neck	Neck	1
57	Rickembacker 360	Neck	Neck	2
58	Rickembacker 360	Mid	Mid	3
59	Rickembacker 360	Bridge	Bridge	4
60	Rickembacker 360	Bridge	Bridge	5
61	Benedetto Bambino	Neck	Neck	1
62	Benedetto Bambino	Neck	Neck	2
63	Benedetto Bambino	Neck	Mid	3
64	Benedetto Bambino	Neck	Bridge	4
65	Benedetto Bambino	Neck	Bridge	5
66	PRS Custom 24	Neck	Neck	1
67	PRS Custom 24	Neck	Neck	2
68	PRS Custom 24	Mid	Mid	3
69	PRS Custom 24	Bridge	Bridge	4
70	PRS Custom 24	Bridge	Bridge	5
71	PRS John Mayer Silver Sky	Neck	Neck	1
72	PRS John Mayer Silver Sky	N+M	Neck	2
73	PRS John Mayer Silver Sky	Mid	Mid	3
74	PRS John Mayer Silver Sky	M+B	Bridge	4
75	PRS John Mayer Silver Sky	Bridge	Bridge	5
76	Music Man Axis	Neck	Neck	1
77	Music Man Axis	Neck	Neck	2
78	Music Man Axis	Mid	Mid	3
79	Music Man Axis	Bridge	Bridge	4
80	Music Man Axis	Bridge	Bridge	5
81	Gibson J200	Mic	Neck	1
82	Gibson J200	Mic	Neck	2
83	Gibson J200	Mic	Mid	3
84	Gibson J200	Mic	Bridge	4
85	Gibson J200	Mic	Bridge	5
86	Martin D-35	Mic	Neck	1
87	Martin D-35	Mic	Neck	2
88	Martin D-35	Mic	Mid	3
89	Martin D-35	Mic	Bridge	4
90	Martin D-35	Mic	Bridge	5
91	Taylor 214 DLX	Mic	Neck	1
92	Taylor 214 DLX	Mic	Neck	2
93	Taylor 214 DLX	Mic	Mid	3
94	Taylor 214 DLX	Mic	Bridge	4
95	Taylor 214 DLX	Mic	Bridge	5
96	Resonator Republic	Mic	Neck	1
97	Resonator Republic	Mic	Neck	2
98	Resonator Republic	Mic	Mid	3
99	Resonator Republic	Mic	Bridge	4

XG-900 MODELING GUITAR

BODY MATERIAL	<i>Poplar, Marbled/Roasted</i>
NECK MATERIAL	<i>Maple / Rosewood</i>
NUMBER OF FRETS	<i>22</i>
FINGERBOARD RADIUS	<i>12"</i>
NUT	<i>BONE/ABS</i>
SCALE LENGTH	<i>648mm</i>
BRIDGE	<i>SIM1 OEM Vintage Chrome</i>
TUNING MACHINES	<i>SIM1 OEM Locking Tuners</i>
NECK PICKUPS	<i>Tele vintage voice neck - Ceramic</i>
BRIDGE PICKUP	<i>Tele vintage voice bridge - Ceramic</i>
WEIGHT	<i>3,7 to 4,2 Kg</i>
DISPLAY	<i>2x16 Black on White</i>
BATTERIES	<i>Li-Po 2600 mAh, up to 6,5 Hours</i>
LI-PO BATTERY CHARGER	<i>12 Volt 1 A, Inner Positive</i>
TOTAL PRE-SETS NUMBER	<i>99</i>
AD CONVERSION	<i>32 bit</i>
DA CONVERSION	<i>32 bit</i>
SAMPLE RATE	<i>48/96 kHz</i>
INPUT IMPEDANCE	<i>1 MΩ</i>
RECOMMENDED LOAD IMPEDANCE	<i>10 KΩ or Greater</i>
SIGNAL TO NOISE RATIO	<i>> 104 dB</i>
CONTROLS	<i>Volume Knob, Tone Knob, On/Off switch, Rotary Knob, Overdrive Switch, Amp/Reverb Switch</i>
USB PORT	<i>2.0</i>
CONNECTORS	<i>¼ inch jacks</i>
ACCESSORIES	<i>Li-Po Battery Charger, Edimax USB Dongle Wi-Fi</i>
FACTORY STRINGS GAUGE	<i>10-46</i>

Safety Instructions



In this instruction manual the exclamation point within a triangle means "Caution!". It is an alert to the user noting possible risks related to the improper use of the device.



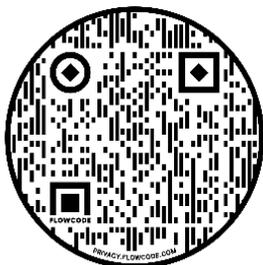
In this instruction manual the lightning within a triangle means "Electrical caution!". It is an alert to the user for potential risks of electrical shocks related to an improper use of the device.

	Before using this device, make sure to read all the instructions manual.
	Do not open or modify in any way the device or its AC adaptor.
	<p>Never use or store the device in places that are:</p> <ul style="list-style-type: none"> • Subject to extreme temperature (e.g. direct sunlight or near heating/radiators or any appliance which produces heat); • Damp places (e.g. baths, washrooms, wet floors); <ul style="list-style-type: none"> • Exposed to rain; • Dusty; • Subject to high levels of vibrations.
	Do not try to repair the device or replace parts within it. This violation will invalidate the warranty. For any damage or inconvenience please refer to SIM1 srl or an authorized SIM1 distributor/store.

	Use only the specified AC adaptor, and make sure the line voltage at the installation matches the input voltage specifications.
	An AC adaptor, different from that one specified in the instruction manual may use a different polarity or may have a different voltage. Its use might cause damage, malfunction, or electric shock.
	Avoid damaging power cords and avoid using the unit with damaged power cords. A damaged cord can easily cause an electrical shock or fire hazard.
	This unit, in combination with an amplifier or headphones, may cause permanent hearing loss, when operating for a long period with high volume levels, or with an uncomfortable volume level. If you experience any hearing loss or ear ringing, stop using the device and immediately consult an audiologist.
	Make sure that liquids of any kind are not spilled on the device. Do not use or place the device near water.
	Immediately turn off the device and remove the AC Adaptor from the mains power source, and request assistance from a SIM1 Srl or an authorized SIM1 distributor/store, when: <ul style="list-style-type: none"> • The AC Adaptor or its cord are damaged. • Objects or liquids have been spilled into the device. • The device has been exposed to rain or moisture. • The unit does not operate normally or changes in performance in a significant way.
	An adult should provide supervision during the children's use of the unit.
	Protect the unit from strong impacts. Do not drop it.
	Unplug the AC Adaptor when not in use for a long period of time. Unplug the AC Adaptor during lightning storms.
	Clean the device only with a damp cloth. Make sure to turn the unit off before cleaning it.
	The device and the AC Adaptor should be positioned where there is adequate ventilation.
	Never handle the unit or the AC Adaptor with wet hands when plugging into or from the power mains source.
	Before moving the unit, disconnect the AC Adaptor and all cords coming from external devices.
	Is strongly recommended to use only accessories specified by the manufacturer.
	This Product complies with the requirements of European Directive 2014/30/UE

QR CODE

Use the QR Code here below to visit the "Download Section" of our Website



SIIMI
SOUND IMPRINTING