

BOSS GX-100, WL-50

BOSS GX-100 Guitar Multi-effects Pedal and WL-50 Wireless System User Manual

Model: GX-100, WL-50

1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your BOSS GX-100 Guitar Multi-effects Pedal and BOSS WL-50 Guitar Wireless System. Please read this manual thoroughly before using the products to ensure safe and optimal performance. Keep this manual for future reference.

2. SAFETY INFORMATION

Always observe the following basic precautions to avoid the possibility of electric shock, short circuit, damages, fire or other hazards.

- Do not open or modify the units.
- Do not attempt to repair the units or replace parts within them. Refer all servicing to your retailer or authorized BOSS service center.
- Do not expose the units to rain, water, or excessive moisture.
- Do not place containers with liquid on the units.
- Use only the specified power adapter for the GX-100 and ensure proper power supply for the WL-50.
- Avoid placing the units in areas with extreme temperatures, high humidity, or direct sunlight.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- BOSS GX-100 Guitar Multi-effects Pedal
- BOSS WL-50 Guitar Wireless System (Receiver and Transmitter)
- AC Adaptor (for GX-100)
- Owner's Manuals for GX-100 and WL-50

- Leaflets (Safety Precautions, etc.)

4. PRODUCT OVERVIEW

4.1 BOSS GX-100 Guitar Multi-effects Pedal

The BOSS GX-100 is a powerful guitar multi-effects processor featuring advanced BOSS tone technologies. It offers a wide range of AIRD amplifiers and over 150 effects, all accessible via an intuitive color touch display. It includes an expression pedal and multiple footswitches for real-time control.



Image: Top view of the BOSS GX-100 Guitar Multi-effects Pedal, showcasing its footswitches, expression pedal, and color touchscreen display.

Controls and Connectors (GX-100)

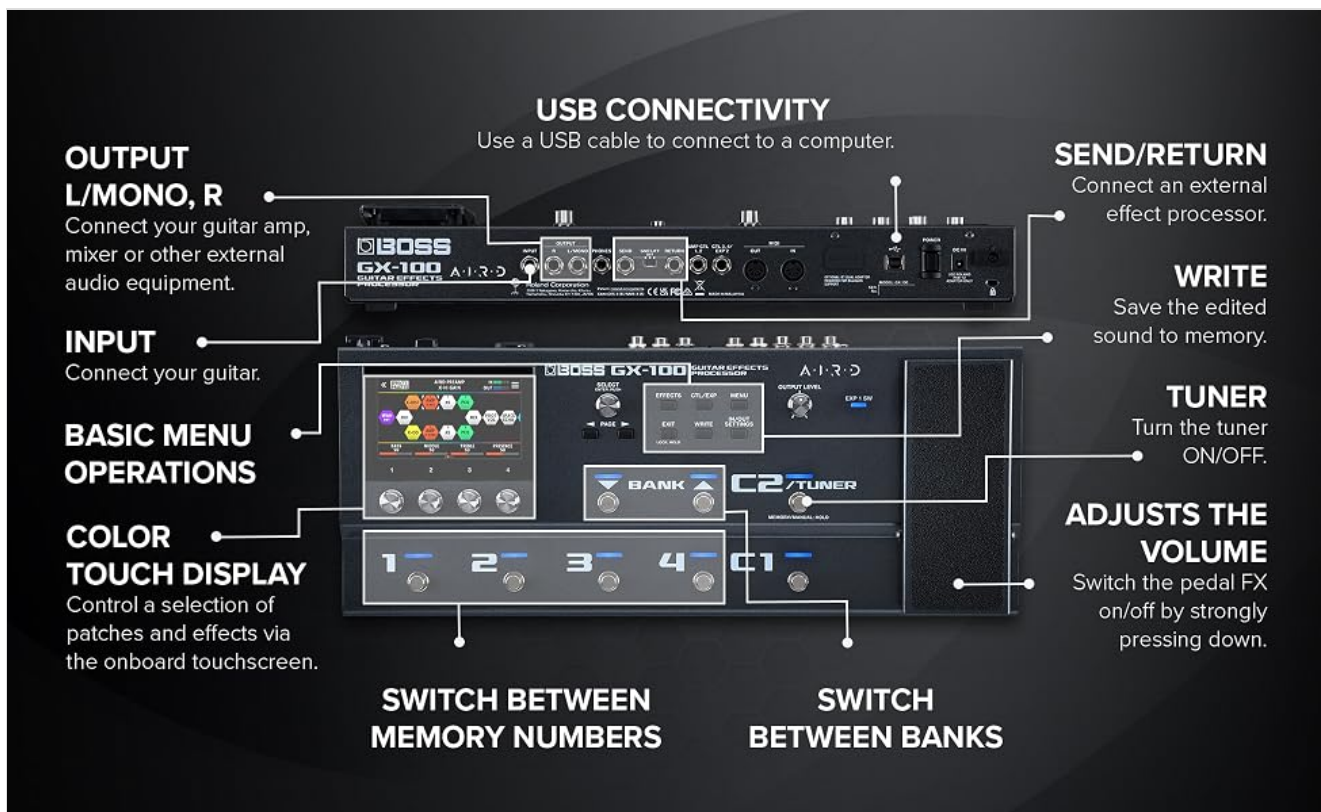


Image: Detailed diagram of the BOSS GX-100's rear panel, illustrating various input/output jacks, USB port, and control connections.

- **INPUT:** Connect your guitar.

- **OUTPUT L/MONO, R:** Connect to your guitar amp, mixer, or other audio equipment.
- **SEND/RETURN:** For connecting external effect processors.
- **USB:** Connect to a computer for recording or editing.
- **CTL1,2/EXP2, CTL3,4/EXP3:** External control jacks.
- **DC IN:** Power input.
- **Footswitches (1-4, C1, C2/TUNER, BANK):** For patch selection, effect on/off, and tuner activation.
- **Expression Pedal:** For real-time control over effect parameters.
- **Color Touch Display:** Main interface for navigation and parameter adjustment.

4.2 BOSS WL-50 Guitar Wireless System

The BOSS WL-50 is a plug-and-play wireless system designed for guitar, bass, and other electronic instruments. It provides reliable wireless freedom with premium sound quality and features a stompbox-sized receiver that fits easily on a pedalboard, along with a docking port for charging the transmitter.



Image: Top view of the BOSS WL-50 Wireless System receiver, showing the input/output jacks and power/receive indicators.

Controls and Connectors (WL-50)



Image: Angled view of the BOSS WL-50 Wireless System receiver with the WL-T transmitter docked for charging and automatic channel setting.

- **INPUT Jack:** Connect your instrument cable from the transmitter.
- **OUTPUT Jack:** Connect to your amplifier or effects pedal.
- **DC IN Jack:** Power input for the receiver.
- **DC OUT Jack:** Provides power to other pedals on your board.
- **TRANSMITTER Docking Port:** For charging the WL-T transmitter and automatic wireless connection setup.
- **CABLE TONE Switch:** Simulates the natural capacitive effect of a 3m, 6m, or no cable.
- **POWER Indicator:** Shows power status.
- **RECEIVE Indicator:** Shows wireless connection status.

5. SETUP

5.1 Connecting the GX-100

1. Connect your guitar to the GX-100's **INPUT** jack.
2. Connect the GX-100's **OUTPUT L/MONO** jack to your amplifier or audio interface. If using stereo, connect the **OUTPUT R** jack as well.
3. Connect the supplied AC adaptor to the GX-100's **DC IN** jack and plug it into a power outlet.
4. Power on your amplifier and then the GX-100.

5.2 Setting up the WL-50 Wireless System

1. Connect the WL-50 receiver's **OUTPUT** jack to your amplifier or the input of your GX-100.
2. Connect a standard 9V DC power supply (not included) to the WL-50's **DC IN** jack. You can also use the **DC OUT** jack to power other pedals.
3. Insert the WL-T transmitter into the receiver's docking port. The **RECEIVE** indicator will blink, and the optimal wireless channel will be automatically set. The transmitter will also begin charging.
4. Once the **RECEIVE** indicator on the receiver glows green, remove the transmitter from the docking port.
5. Plug the WL-T transmitter into your guitar's output jack.

5.3 Integrating GX-100 and WL-50

For a combined setup, connect the **OUTPUT** of the WL-50 receiver to the **INPUT** of the GX-100. This allows you to use your wireless system with the full range of effects and amp models from the GX-100.



Image: The BOSS GX-100 and WL-50 units shown together, illustrating how they can be used in a combined setup for a complete guitar rig.

6. OPERATION

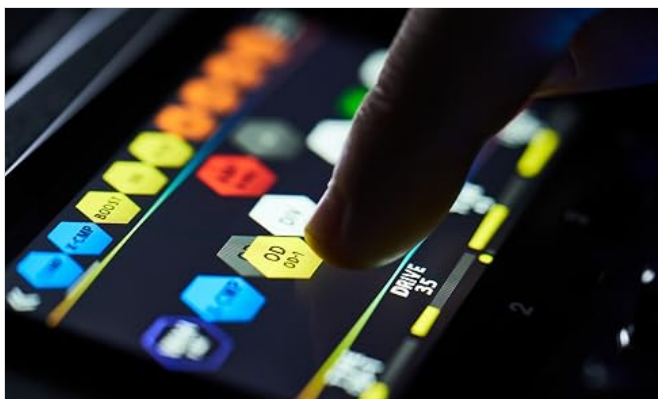
6.1 BOSS GX-100 Basic Operation

Power On/Off

To power on, ensure the AC adaptor is connected and press the power switch. To power off, press the power switch again. Always power off the GX-100 before disconnecting cables.

Navigating the Color Touch Display

The GX-100 features a responsive color touchscreen for intuitive control. Tap icons to select effects, amps, or settings. Drag and drop to reorder effects. Use the physical knobs below the screen for fine-tuning parameters.



Touch and Go.

The vivid color touch display offers intuitive control of patch and effects selection, parameter tweaks, signal chain adjustments, and much more.

Advanced Wireless Connectivity.

Enhance your BOSS GX-100 with the optional BT-DUAL adaptor for wireless audio streaming and control via the editor. Plus, wirelessly connect the optional BOSS FS-1-WL footswitch and BOSS EV-1-WL expression pedal to enjoy expanded foot control.



Image: Close-up of the BOSS GX-100's color touchscreen, demonstrating the visual interface for selecting and adjusting effects.

Patch Selection

Use the BANK footswitches to cycle through banks of patches. The numbered footswitches (1-4) select individual patches within the current bank. The C1 and C2/TUNER footswitches can be assigned to control specific effects or functions within a patch.

Creating and Editing Tones

From the main screen, tap on an effect block to open its parameters. Adjust settings using the touchscreen or the physical knobs. To save your changes, press the **WRITE** button and follow the on-screen prompts.

USB Connectivity

Connect the GX-100 to your computer via USB for direct recording, re-amping, or using the BOSS Tone Studio software for deeper editing and patch management.

6.2 BOSS WL-50 Basic Operation

Power On/Off

The WL-50 receiver powers on automatically when connected to a power supply. The transmitter powers on when plugged into an instrument and automatically connects to the receiver.

Wireless Connection

After docking the transmitter to set the channel, simply plug the transmitter into your instrument. The **RECEIVE** indicator on the receiver will glow green, indicating a stable connection. If the indicator is red, check the transmitter's charge or re-dock it.

Cable Tone Simulation

The WL-50 features a **CABLE TONE** switch on the receiver. This switch allows you to simulate the subtle capacitive

effect of a traditional guitar cable, providing options for a 3m, 6m, or no cable tone. Experiment to find your preferred sound.

DC Output

The **DC OUT** jack on the WL-50 receiver can supply power to other 9V DC pedals on your pedalboard, simplifying your power setup.

7. MAINTENANCE

To ensure the longevity and optimal performance of your BOSS GX-100 and WL-50, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the units. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** When not in use for extended periods, store the units in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care (WL-50 Transmitter):** Regularly charge the WL-T transmitter by docking it in the receiver. Avoid completely draining the battery frequently to prolong its lifespan.
- **Firmware Updates:** Check the official BOSS website periodically for firmware updates for both the GX-100 and WL-50 to ensure you have the latest features and bug fixes.

8. TROUBLESHOOTING

If you encounter issues with your BOSS GX-100 or WL-50, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from GX-100	Incorrect cable connections, low volume, patch settings.	Check all cable connections. Ensure amplifier and GX-100 volumes are up. Verify the selected patch is not muted or has effects that cut sound.
WL-50 not connecting wirelessly	Transmitter not charged, channel not set, interference.	Dock the WL-T transmitter in the receiver to charge and set the channel. Ensure no strong Wi-Fi or other wireless signals are causing interference.
Poor sound quality from WL-50	Low battery, interference, incorrect cable tone setting.	Charge the transmitter. Move away from sources of interference. Adjust the CABLE TONE switch on the receiver.
GX-100 touchscreen unresponsive	Temporary software glitch.	Power off the GX-100, wait a few seconds, then power it back on. If the issue persists, contact support.

9. SPECIFICATIONS

9.1 BOSS GX-100

- **Audio Output Effects:** Multi-Effect
- **Controls Type:** Touch
- **Hardware Interface:** USB
- **Power Source:** Corded Electric (AC Adaptor)
- **Color:** Black

- **Amp Models:** 23 AIRD Amplifiers
- **Effects:** Over 150 effects derived from GT-1000
- **Simultaneous Effect Blocks:** Up to 15

9.2 BOSS WL-50

- **Signal Format:** Analog
- **Power Source:** Corded Electric (DC IN)
- **Color:** Black
- **Latency:** 2.3 ms (standard mode)
- **Dynamic Range:** 110 dB or greater
- **Frequency Response:** 20 Hz – 20 kHz
- **Battery Life (Transmitter):** Approximately 12 hours
- **DC Output:** Yes, for powering other pedals

10. WARRANTY AND SUPPORT

BOSS products are designed for reliability and performance. For warranty information and technical support, please refer to the warranty card included with your product or visit the official BOSS website. Do not attempt to service the units yourself, as this may void your warranty.

For the latest information and support resources, please visit: www.boss.info