



# **W900 Intelligent Guitar Owner's Manual**

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# PRECAUTIONS

## Power Supply

- Please use a power supply that meets the requirements of local laws and regulations (UL, CSA, VDE, CCC).
- Please use a power supply that can meet the power requirements of the manufacturer.
- Please unplug power supply while idle or during thunderstorm.
- Please do not expose the device with battery to extreme heat (avoid direct sunlight or fire)
- If the battery is broken and leaks, please do not expose your skin or eye to the contaminate.
- Please consult a doctor immediately in the event of exposure.
- The battery of the device could explode or cause chemical damage if it is handled incorrectly.

## Location

- To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:
- Direct sunlight
- Heat sources
- Excessive dusty or dirty locations
- Magnetic fields
- Extreme temperature or humidity
- High humidity or moisture
- Strong vibrations or shocks

## Cleaning

Clean only with a soft, dry cloth. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, cleaning alcohol, paint thinners, wax, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

## **Operations**

Please do not toggle the switch or rotate the knob heavily.

Please do not let the paper scraps, metal debris, or other sundries fall inside the unit.

Please do not let the unit fall from a high level, or push/strike the unit heavily.

## **Warning**

1. Please stop using or charging if the battery becomes smelly or emits a strange noise. Contact the manufacturer immediately for repair. Please do not dismantle the unit manually.

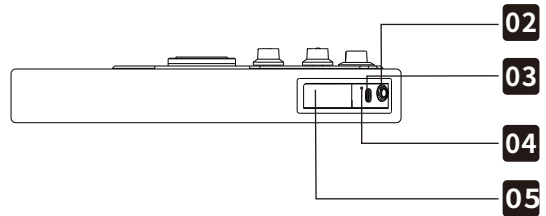
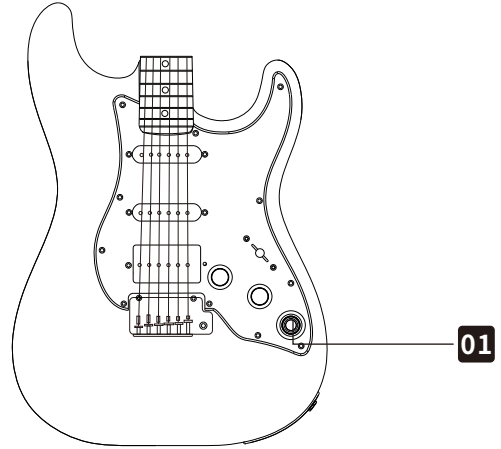
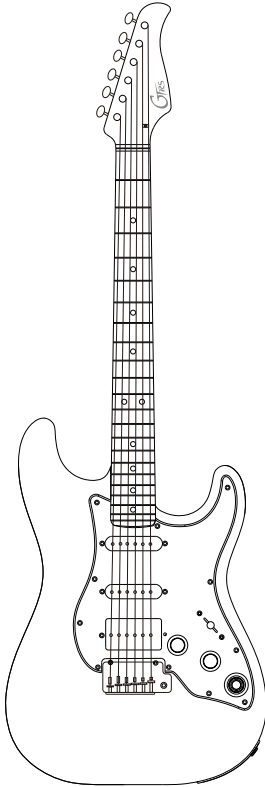
2. The device has a wireless signal transfer module. To avoid interference to biological or medical measurement devices, please do not use the unit in a hospital.

3. According to the statutory and regulatory requirements, please purchase the unit from our authorized local distributors, to prevent from the legal risk of using the unit sold to overseas area.

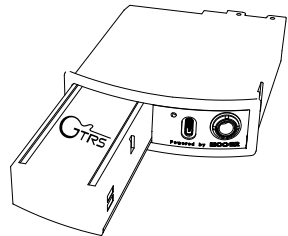
4. To meet the statutory and regulatory requirements of different countries or areas, the unit has different versions in different countries and areas. Different versions cannot match with each other. To avoid unexpected issues, please purchase the unit from our authorized distributors in your country or area.

5. Please do not modify the unit without authorization. For detailed information, please contact MOOER support team.

# LAYOUT



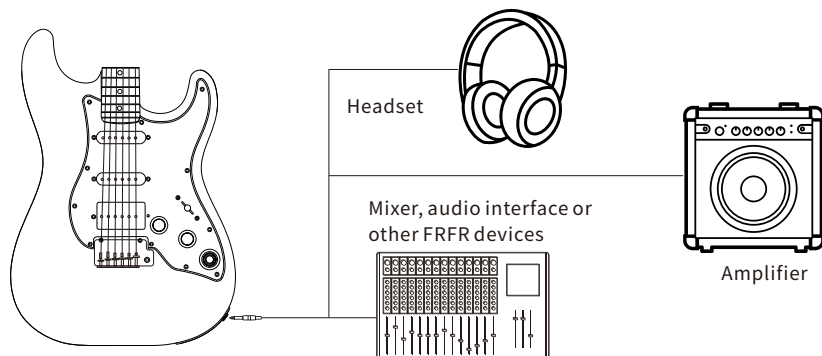
- 01** GTRS control knob
- 02** 6.35mm guitar line/headphone output
- 03** USB Type-C port (power requirement is 5V = 2A)
- 04** Battery compartment (Utilize needle to open the battery compartment)
- 05** Lithium-ion battery (GLP-1) (Please ensure the GTRS logo is placed as shown when placing battery)



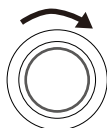
\*Please ensure the GTRS logo is placed as shown when placing battery

# QUICK TOUR

**Step 1:** Connect your GTRS guitar to amplifier or headphones. You can set the output mode properly in the GTRS App—Setting—Global—Output Mode menu.



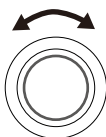
**Step 2:** Rotate the GTRS control knob clockwise to turn the guitar on. The knob LED will indicate on/off status



**Step 3:** Press the GTRS control knob to switch between different preset tones



**Step 4:** Rotate the GTRS knob to adjust the output volume level to your preference



# INSTRUCTIONS

- **GTRS App**

The GTRS App functions as the editor software for the GTRS guitar. Users can easily select effects and create presets for the GTRS system, download and share tones to the cloud, and update the firmware of their GTRS guitar. Several tools for practice are included in the app as well.

## **1. Get the GTRS App**

You can download GTRS App from App Store (iOS, iPad OS), Google Play (Android), or GTRS official website.

## **2. Activation**

Open the Bluetooth menu of your smart phone or tablet and search for “GTRS” to connect your guitar via Bluetooth. After connecting, a QR code scanner will display in the app. Use the APP to scan the bar code on the last page of your owner's manual, or the bar code on the package, to finish activation and registration. The serial number and warranty of your GTRS guitar will automatically be registered as part of the activation process.

**Notice: This procedure is only for GTRS guitars which have not yet been activated. An activated guitar will skip this procedure. Please ensure the GTRS guitar is on and your smart phone network connection is stable during activation.**

## **3. Guide**

Click the “?” icon in the top right corner of the app screen to access the quick guide/manual of the GTRS App.

- **Super Knob**

- 1. Preset Mode**

- Press to switch between four different tone presets. The color of the LED will change in order of dark blue, purple, orange, and sky blue.

- 2. Guitar Simulation Mode**

- Press to switch the guitar simulation on. The purple LED indicates the guitar simulation is on while sky blue indicates the guitar simulation is turned off.

- 3. Switch Mode.** The guitar will begin in Preset Mode by default. You can assign defaults through:

- GTRS APP – Settings – Global - GTRS control.

- **Tuner**

- When the APP or wireless footswitch is connected, press and hold the GTRS knob to access the tuner. The GTRS knob LED will turn yellow. Press the knob again to exit the tuner.

- **Low battery alert**

- To provide the best experience for users, the GTRS knob will blink slowly when the battery level is getting low. Please charge your GTRS battery as soon as possible to maintain the battery life of your unit.

- **Charging**

- The lithium-ion battery in the GTRS system can be charged through the Type-C USB port from the power supply. While charging, the GTRS knob LED will turn red no matter which mode it is in. A green LED indicates a full charge.

- **GWF4 Wireless Footswitch (purchased separately)**

- The wireless footswitch can be used with GWF-4 for better control of presets during live performance. Please see the wireless footswitch manual for more information.



- **Bluetooth**

Open the Bluetooth menu of your smart phone or tablet and search for “GTRS” to connect via Bluetooth. Users can use the Bluetooth function to play audio tracks from a mobile device mixed with the GTRS guitar signal and send that signal through the main output of the GTRS guitar.

- **Wireless System**

The intelligent module of the GTRS 900 or higher version series has an integrated 4 channels wireless system, which can pair with GTRSPTNR wireless series extended modules providing more possibilities for play.

Note: GTRSPTNR GWU4 receiver is included in the package.

- **Live Stream/Direct Recording**

Connect your mobile device to the GTRS guitar through the Type-C USB port. The guitar signal will go directly to the mobile device to facilitate direct recording or live streaming. The signal output level can be controlled by the MASTER volume control knob. In addition, the volume level of the USB-OTG signal, Bluetooth audio playback signal, and the guitar/headphone output signal can be adjusted individually through the GTRS App.

Note: Please make sure GTRS Intelligent Processor System is turned on when use the Live steam/Direct Recording feature. If you like to record with your mobile device, please make sure the OTG cable is match your mobile device.

- **Traditional Guitar Mode**

If GTRS is off, or if the battery life is low, the output signal of the guitar will switch to true bypass and function as a traditional guitar would. Only the volume knob, tone knob, and pickup switch can affect the tone of the guitar. In this mode, the guitar cannot support headphone output.

# SPECIFICATIONS

**Model Name:** W900/W901

**Battery:** GLP-1 rechargeable lithium battery (4000mAh)

**Battery Life:** 12 hours/9 hours (Wireless transmitter in use)

**Charging time:** 4 hours

**Charging Requirement:** DC5V 2A

**USB Port:** USB TYPE-C

**Bluetooth Version:** 5.0

**Wireless Control :** 2.4G

**Wireless Transmitter:** UHF

**Channels:** 4

**Distance:** 15m

**Latency:**  $\leq 0.3\text{ms}$

**Frequency Response:** 20Hz-20KHz

**Input Dynamic:**  $> 105\text{ dB}$

**SNR:** 103dB

**THD:**  $< 0.15\%$

## Caution:

The transfer distance is based on laboratory environment, without any obstacle for pairing with GTRSPTNR GWU4 receiver. The actual transmission distance can depend on interference types, reflection, and absorption from obstacles in the user's environment.

## Caution:

- GTRS GLP-1 supports overcharging protection, over-discharging protection, short circuit protection, overcurrent protection.
- Recommend to charge the battery every three months as a fully charged battery; charge the empty battery every month for maintenance.
- The battery life will be around 75% of the original after 300 times of charging circuit.
- The suitable charging temperature is 0-45°C; storage temperature is  $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ .

**GTRs**  
www.gtrs.tech

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