

Waves GTR Ground – Control Unit User Manual



Read First!



Warning – Safety First!

Please read and follow the instructions of the Registration Form entitling you to technical support and service-under-warranty.

Important Safety Considerations

1. Read all operating instructions.
2. In case of damage to the Waves GTR Ground due to spilled liquids or physical damage from knocks or dropping, repairs should be performed by qualified service personnel only.
3. Do not allow children to use the Waves GTR Ground without adult supervision.
4. Operating temperature: 10 ~ 50°C.

Package Content

Your new Waves Guitar Bundle package contains:

1. The Waves GTR Ground foot controller
2. 1.5m USB cable
3. 1.5m CAT-5 (Ethernet) cable
4. 12V DC Universal Power Adapter

5. CD wallet
6. Registration Card
7. This User Manual

Introduction

Thank you for choosing the Waves GTR Ground.

Waves GTR Ground is a dedicated USB MIDI foot controller for Waves Guitar Tool Rack systems, and can also be used with other MIDI controllable software.

Waves GTR Ground is designed for guitar players and intended for use on stage, in the studio, or in the rehearsal room.

The GTR Ground features 11 buttons and 2 dedicated expression pedals, providing convenient control over plug-in functionality and effect parameters. The buttons control preset selection, A/B setup switching, individual stomp effect active/bypass toggling, and other functions such as tempo tapping, tuning, and mode switching. The continuous expression pedals allow continuous control over effect parameters for real time adjustment of, for instance, volume or Wah.

For specific information on how to use these features with Waves GTR, read the 'Controlling Waves GTR' chapters of this manual.

System Requirements

Waves GTR Ground connects to the computer via a standard USB 1.1 connection. The device is strictly plug & play and doesn't require any additional software for its installation and operation.

Waves GTR Ground is designed and tested to work under Windows XP SP2 (Home and Pro) and MAC OS-X version 10.4 and higher. Any computer that has a USB 1.1 or USB 2 port and runs one of the aforementioned operating systems is compatible with Waves GTR Ground.

Please note –

Waves GTR Ground was created especially for controlling Waves GTR Systems such as the Waves GTR software application. Waves GTR software has its own set of minimal system requirements, which are higher than those required for the basic operation of the Waves GTR Ground. To use Waves GTR Ground with Waves GTR software, check the specific software version for its minimal system requirements.

Waves GTR Ground requires 12V DC to operate and cannot operate on USB bus power alone. It is recommended to use the included power supply.

Top View



Side Panel View



Getting Started

To start working with Waves GTR Ground, complete these steps:

1. Connect the included power supply to the electrical outlet.
2. Connect the round power jack to the GTR Ground power input (located on the right side of the GTR Ground, below the 2nd expression pedal). The GTR Ground displays will illuminate, and show 'GTR' and 'Waves Ver 1.1' (or higher) across the top and bottom displays. After a few seconds, the word 'GROUND' will be shown across the bottom displays. The GTR Ground is now ready for operation.
3. Connect the GTR Ground USB "B" type connector to your computer's USB port using the included cable (or any USB cable). The computer will automatically detect the device and install the necessary drivers.
4. Once the USB connection has been made, the GTR Ground will show 'GTR' in the top display, 'Waves Ver 1.1' (or higher) in the bottom left display, and 'USB' in the bottom right display.

At this point, GTR Ground has registered its MIDI port with the operating system and is ready to use.

Depending on how you want to use the GTR Ground, the options are as follows:

1. **Using GTR Ground to control GTR Standalone.**
This is the primary application of GTR Ground and utilizes its full features, including GTR Ground display updates with current preset information.
2. **Using GTR Ground to control the Waves GTR plug-In.** Waves GTR software launches within a host application, which requires the routing of GTR Ground messages to the plug-in through the host. Feedback of

display information from the plug-in to GTR Ground requires a MIDI path from the plug-in to a MIDI output. Since most host applications do not allow this functionality, GTR Ground does not display updated plug-in information.

3. Using GTR Ground to control another MIDI enabled software application or device.

Controlling Waves GTR Standalone

This section describes the direct control of the GTR Standalone application by the GTR Ground. For information on controlling the GTR plug-in through a host application, see the next chapter of this manual.

After connecting GTR Ground as described in the previous chapter, launch the GTR Standalone application.

Once GTR Standalone is launched, it will detect the GTR Ground, and update the GTR Ground displays to show the current status. In the top row preset display, GTR Ground will show the current preset number. This will be either the last preset that was launched and saved in GTR Standalone, or the GTR Factory Default Preset 000.

Individual Stomp Mode

GTR Ground defaults to Individual Stomp Mode. In this mode, you can use the foot controls to activate or bypass individual stomp effects.

The bottom row displays along will show short names for the stomp effects in each of GTR Standalone's stomp slots, and whether they are active or bypassed.

Activated stomps will glow brightly and show three dots between the stomp name digits. Bypassed stomps will appear dimmed, with no dots between the digits. Clicking the button under the display will toggle the status of the stomp effect currently assigned to that slot.

For example, if the "Gate_Comp" stomp is assigned to button A and active, the display shows "G._.C" in glowing orange LED lights. Clicking the button under the display will bypass the stomp and show "G _ C" dimmed, without dots.

To change presets in individual stomp mode scroll through the presets using the Up and Down buttons.

Preset Select Mode

The Preset button is the third button from the left in the top row, above the preset # display. It lets you toggle through GTR Ground's Preset Select Mode.

In this mode, the bottom displays will show 6 preset numbers. Pressing the corresponding A – F button will load the preset number shown above it. Instead of activating or bypassing a single stomp, Preset Selection Mode allows you to dial up a complete preset from the current preset file. It also lets you can also move up or down in steps of 6 presets using the up down buttons in the top row.

Tap Tempo / Tuner

In both Individual Stomp Mode and Preset Select Mode, use the Tap Tempo / Tuner button (fourth button from the left) to set your tempo by tapping on it several times in succession. A longer press on the button will call up the GTR Tuner.

A/B Switching

Located on the bend of the GTR Ground is the button for A/B preset switching. This allows you to toggle between two parallel settings within the same preset.

Expression Pedals

The expression pedals allow continuous control over two parameters in the current preset. The expression assignment is saved and loaded within the preset.

Most GTR presets are pre-assigned to have the left expression pedal assigned to a creative expression control, such as WahWah's "Wah" parameter. The right expression pedal is usually assigned to the output volume, functioning as a volume pedal for the overall GTR sound.

You can easily assign and de-assign parameters from the stumps and/or amps within a given preset. Just right-click or Alt-click over any parameter and choose "Learn" from the MIDI Assignment Menu. Once the parameter is "Learning," move the expression pedal with which you want to control the parameter and they will link automatically. Choosing "Clear" in the MIDI Assignment Menu will clear an existing assignment.

Selecting "Clear All" will prompt you to clear all current expression assignments. Choose "OK" or "Cancel". To clear all current MIDI assignments, choose OK. Also, reloading the current preset without saving changes will return GTR Ground to its original MIDI assignments.

Controlling Waves GTR Plug-Ins

Waves GTR plug-ins can be controlled using GTR Ground, contingent upon your host application's MIDI support and

features. It is important that GTR plug-ins receive MIDI messages in real time.

In certain host applications, the GTR plug-ins will automatically register a MIDI input node and allow you to route the output of a MIDI track to the plug-in's MIDI input node. The input of the MIDI track needs to be configured to receive MIDI from GTR Ground.

Once the host application can receive MIDI from GTR Ground and relay it to the GTR plug-ins, you can control the Waves Amp or Waves Stomp plug-ins, as well as the complete GTR plug-in.

The Waves GTR Plug-in will have the same functionality as in Standalone mode. However, most hosts do not allow the GTR plug-in to send messages to the GTR Ground, so the displays will not function as they do when using GTR Standalone.

Using GTR Ground to control the GTR plug-in is especially convenient if you are recording live with effects, or if you recorded a direct guitar and you would like to add expression during the post-recording stage to the same take. It is important to record the MIDI information to a MIDI track so you can then refine it for the best results.

Controlling Other MIDI Applications

The Waves GTR Ground registers to the operating system as a standard USB MIDI device. This device can generate MIDI controller changes from all of its buttons and pedals. Messages are sent in a format compatible with other USB MIDI devices, sending discrete MIDI controller information from buttons and continuous controls.

The controller ID for each control of the Waves GTR Ground control unit is fixed in its firmware. Thus, using it successfully

with non-GTR products depends on the flexibility of the software to assign specific controllers to its parameters.

By default, the controls will send the following controller ID –

Pedal Left = 15

Pedal Right = 14

Control A = 16

Control B = 17

Control C = 18

Control D = 19

Control E = 20

Control F = 21

Control A/B = 22

Control Down = 23

Control Up = 24

Control Preset = 25

Control Tuner = 26

Technical Specifications

- Size (L x W x H):
76.6 cm x 19.5 cm x 10 cm (30.16" x 7.67" x 3.93")
- Weight: 4.2 Kg (9.26 lb)
- USB 1.1 (type-B) port
- RJ45 jack for future use

Power Supply:

- Input : 100Vac-240Vac
- Output: 12V+-10%, 5A

Warning:

- Use only the Waves recommended power supply PN - WPS0008.
- The RJ45 jack in the side panel **is not** an Ethernet connection and should not be connected to any Ethernet hardware.

Note: Your Waves product has been tested to comply with FCC Standards FOR HOME OR OFFICE USE. Modifications not

authorized by the manufacturer may void the user's authority to operate this device.

Contact Waves Sales and Technical Support

Before calling Waves for technical support, please first check the Waves website (<http://www.waves.com>) for technical support issues and the latest information. Contacting the technical support or the sales department via our website is preferred, and is more efficient in terms of being able to provide you with complete documentation and solutions.

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Warranty

One Year Limited Warranty

Waves Audio Ltd. ("Waves") warrants that the Product conforms substantially to the specifications contained in the Product Documentation for a period of one (1) year from the date of original purchase from Waves or its authorized resellers. In the case of a valid warranty claim, your sole and exclusive remedy and Waves' entire liability under any theory of liability will be, at its option, to repair or replace the Product without charge or, if this is not possible, to refund the purchase price to you. For warranty service, please call one of Waves offices listed above, to obtain a Return Authorization (RA) number. After you obtain the RA number, ship the defective Product, transportation and insurance charges prepaid, to the Waves location listed above. Write the RA number in large letters on the outside of the shipping box. Enclose your name, address, telephone number, copy of original sales invoice, and a detailed description of the problem. Waves will not accept responsibility for loss or damage in transit.

The Warranty is void if the Product serial numbers have been removed from the Product or if the Product has been damaged by misuse, modification or unauthorized repair, as determined at Waves' discretion.

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