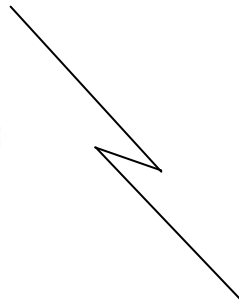


Raceclock Wireless Grip Switch System User's Guide

For use with the Raceclock LM & XL Series Display Clocks



Developed and maintained by
Flying Feet Computers, Inc.
www.timemachine.org

INSTRUCTION TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

The Receiver Unit has been tested to comply with FCC standards. FOR HOME OR OFFICE USE.

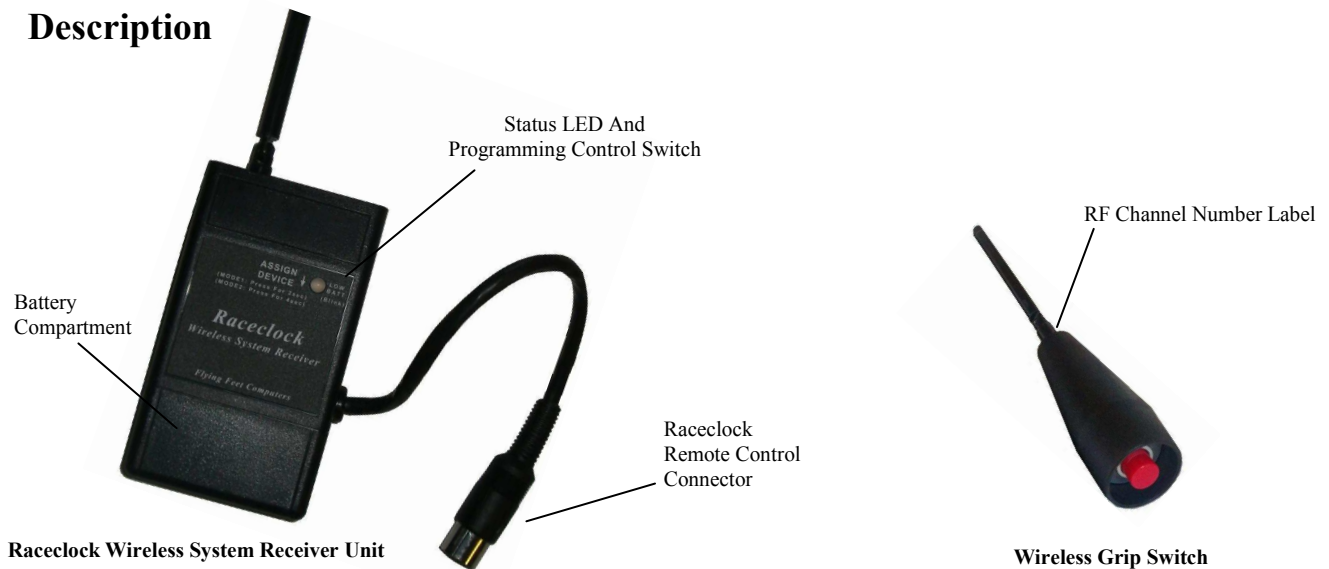
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Thank you for purchasing the Raceclock Wireless Grip Switch System for use with your Raceclock LM or XL Series Display Clock. The Raceclock Wireless Grip Switch System provides you with a convenient wireless link between your Raceclock and up to 10 Grip Switch timing buttons for distances of up to 500 feet. The wireless system utilizes high quality RF technology and components to provide you with a reliable timing solution.

The Wireless Grip Switches are rugged, sealed, and waterproof. They also feature a sophisticated power circuit utilizing an internal battery that does not require replacement. The battery will typically last for up to 20 years (depending on usage) or up to approximately 1.6 million clicks of the button.

The Raceclock Wireless Grip Switch System can enhance your operation by providing wireless connectivity to multiple Raceclocks at the same time. If you use more than one Raceclock to display timeclock data, a single Wireless Grip Switch can easily be assigned to start and control all Raceclocks simultaneously – provided that each Raceclock has a receiver unit connected to it.

I. Description



The Raceclock Wireless Grip Switch System consists of two components: a Receiver Unit and one or more Wireless Grip Switches. The Receiver unit has a connector that plugs into the Remote Control port of your Raceclock. Power for the Receiver unit is supplied by two AA batteries housed in the battery compartment. The Receiver’s power will turn on or off when your Raceclock’s power is turned on or off. Please refer to the **Raceclock Wireless System Receiver User’s Guide** for detailed information about programming and using the receiver unit.

Each Wireless Grip Switch transmits a unique ID code when triggered and it is transmitted over one of 10 different RF channels. As long as each grip switch being used is transmitting over a different RF Channel, then they will not interfere with each other if triggered at the same time (within 1/10 sec). If they are not triggered at the same time, then interference will not be an issue. In order to avoid the possibility of interference when using multiple grip switches at the same time, **the user must be careful to insure that all of the Wireless Grip Switches being used are operating on different RF Channels.** The RF Channel is pre-programmed at the factory and is displayed on the antenna. If you received a “set” of Wireless Grip Switches, then they will all have different RF Channel settings. However, if you acquire additional Wireless Grip Switches, then you may have some with the same RF Channel number. If this is the case, the RF Channel number can easily be changed by the user by pressing and holding the grip switch button for about 6 seconds. Holding the button will cause the RF Channel number to increment to the next higher channel number. After reaching the highest channel number (channel 10), it will loop back to channel 1 if “incremented” again.

II. Using a Wireless Grip Switch to Control the Raceclock

The Wireless Grip Switches can be operated in one of two different modes. In Mode 1, the grip switch will Start, Stop and Clear the Raceclock. In Mode 2, the grip switch will Start, Enter Splits, Stop, Recall Splits and Clear the Raceclock. The mode you select depends on how the grip switch was assigned to the receiver unit. Please refer to the **Raceclock Wireless System Receiver User's Guide (section IV)** for information on assigning a grip switch to the receiver unit. Each grip switch can be assigned to either mode. Therefore you can have one grip switch operating in Mode 1 while another one can be operating in Mode 2. In fact, you can have any combination of up to 10 grip switches operating in either of the two modes. You can also change the operating mode of a grip switch by simply re-assigning it to the receiver unit again.

Mode 1 Operation (Start/Stop/Clear)

- When the Raceclock is initially Cleared, then it can be Started by triggering the wireless grip switch.
- When the Raceclock is running, it will now be Stopped if the grip switch is triggered.
- When the Raceclock is Stopped, it will now be Cleared if the grip switch is triggered. Once Cleared, this process can be repeated by triggering the grip switch again.

Mode 2 Operation (Start/Stop/Clear/Enter Splits/Recall Splits)

- When the Raceclock is initially Cleared, then it can be Started by triggering the wireless grip switch.
- When the Raceclock is running, it will now enter a Split-Time when the grip switch is triggered. Each time the grip switch is triggered while the Raceclock is running, another Split-Time will be entered and displayed by the Raceclock.
- In order to Stop the Raceclock while it is running, you must "Double-Click" the wireless grip switch. To "Double-Click" the grip switch, press and release its trigger button twice within about 1/3rd of a second.
- Once the Raceclock has stopped, the stored Split-Times can be recalled by triggering the grip switch again. Each successive Split-Time will be recalled and displayed whenever the grip switch is triggered again. After all of the stored times have been recalled, the Raceclock will display a "-----" following the last time in memory. The Split-Times will be recalled again with repeated triggering of the wireless grip switch.
- In order to Clear the Raceclock while it is recalling Split-Times, you will need to "Double-Click" the wireless grip switch once again.

Note:

If the grip switch is assigned to multiple Raceclocks equipped with receiver units, then all Raceclocks will respond together when the grip switch is triggered.

V. Warranty Statement

The manufacturer warrants the original purchaser of the RACECLOCK WIRELESS GRIP SWITCH SYSTEM (RWGSS) that it shall be free of defects resulting from faulty manufacturer of the product or its components for a period of one year from the date of sale. Defects covered by this warranty shall, at the option of the manufacturer, be corrected either by repair or by replacement. The replaced components will be warranted for the remainder of the original one year period.

The sole obligation of the manufacturer under this warranty is limited to repair or replacement of products pertaining to the RWGSS only, which prove to be defective within one year of purchase. The manufacturer shall not, in any event, be liable for any consequential damages or loss of profits of any kind resulting from the use of the RWGSS or the technical information enclosed in this document.

Please fill out the Product Registration Form and fax, email or mail it to Flying Feet Computers, Inc. This product must be registered within thirty (30) days from the date of purchase in order to activate your warranty coverage.

Product Registration Form

Please fill out the following information and fax, email or send it to:

Flying Feet Computers, Inc.
11112 204th Ave Ct. East
Bonney Lake, WA 98391
(800) 328-4070 ph.
(253) 863-1689 fax
www.timemachine.org

By sending this form back to us, we can let you know of additional products and upgrades as they become available. This form is also used to activate your warranty coverage.

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|----------------|--------------|-----|
| Name | Company Name | |
| Phone# | Address | |
| Cell# | City | |
| Purchased From | State | Zip |
| Date Purchased | Email | |