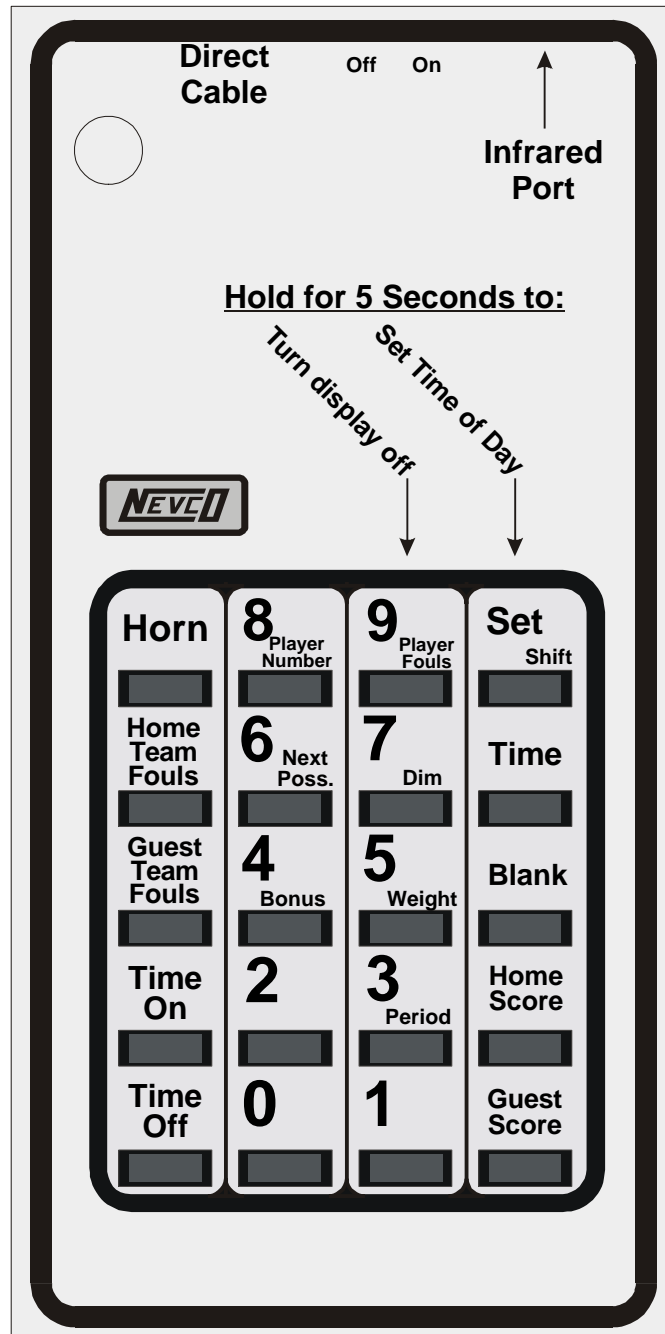


Scoreboard Operator's Instructions

MPCH Wireless Control



Some features on the keyboard overlay may not be included on the particular model being operated.



Since 1934

Retain this manual in your permanent files

Instructions for:

LED models:

2500-D
2500-A4-D
2540
2540-A4
2550-D
2560
9510

Introduction

Welcome to the new MPCH wireless control now operating many of our current Nevco scoreboard model variations. It's loaded with advanced operating features that will simplify and enhance the operation of your scoreboard system. Some of the features include:

- ❖ Tenth second displayed on the scoreboard timer during the last minute of the game.
- ❖ Set the Chronometer (time of day) on the scoreboard clock, it will keep accurate time even after turning off the control.
- ❖ The control has the capability of direct cable connection in the event that your batteries are low.
- ❖ The control has seven different channels or frequencies, each channel having a very large number of randomly selected Key Codes. This allows two different Nevco wireless controls to be on the same channel and yet not interfere with each other's operation of their perspective scoreboard.

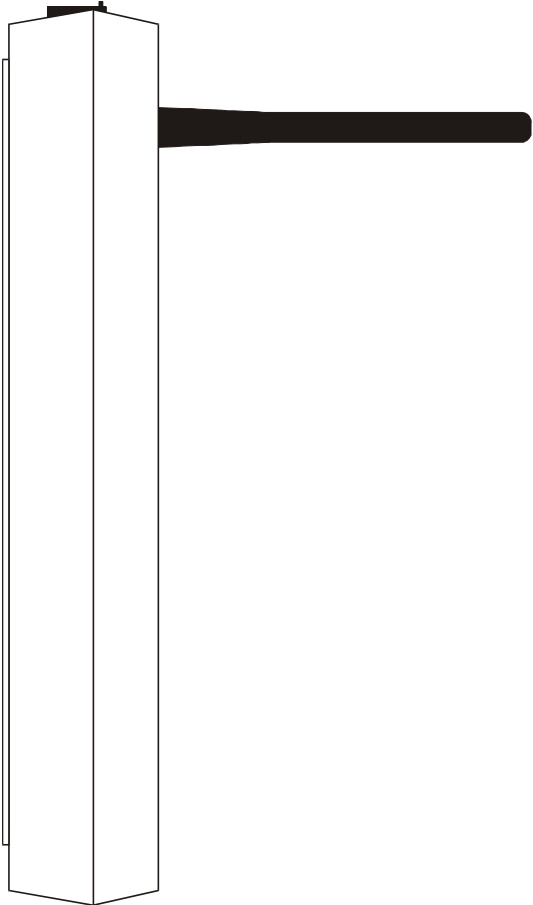
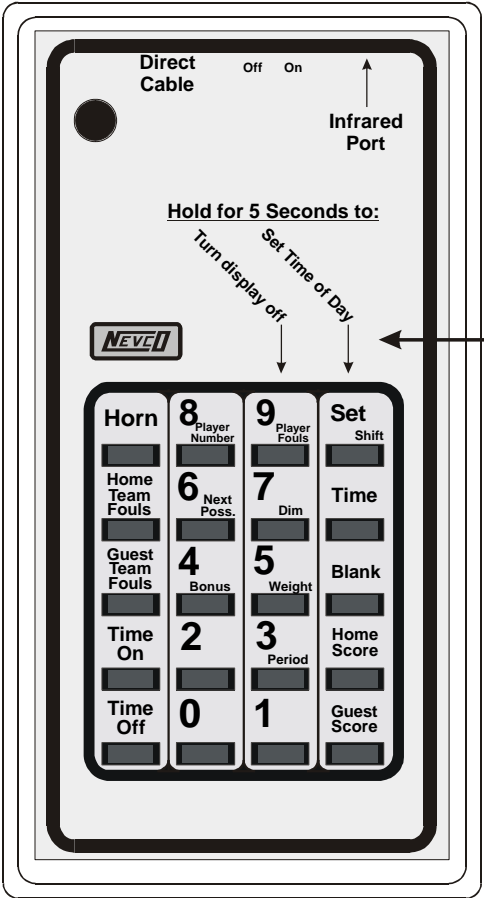
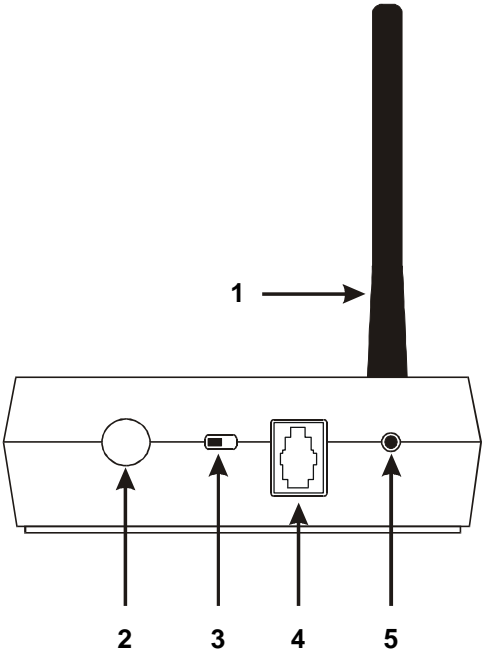
Important Safety Information

Save this manual. It contains important safety information and operating instructions.

- ❖ Before using this product, please follow and adhere to all warnings, safety, and operating instructions located in this manual.
- ❖ Do Not expose the product to water or moisture.
- ❖ Do Not expose the product to extreme hot or cold temperatures.
- ❖ Do Not expose the product to open flames.
- ❖ Do Not allow objects to fall on, or liquids to spill on the product.
- ❖ Do Not attempt to disassemble the product. Doing so will void the warranty. This product does not contain consumer-serviceable components. Service should be performed only by Nevco Service Department.
- ❖ Do Not attempt to remove or replace the antenna. This antenna is permanently mounted internally.
- ❖ Remove batteries when not in use for long periods of time (during off seasons). This will increase battery life and prevent battery corrosion. Always store this product in a cool and dry location when not in use.
- ❖ Do Not plug this device into any other source other than its designed purpose.

The follow is a list of the terms used in this manual to describe your MPCH wireless control.

- 1 Antenna
- 2 Infrared Port
- 3 On/Off Switch
- 4 Direct Cable Connector
- 5 LED Power Indicator
- 6 Keyboard Overlay
- 7 Battery Compartment



Wireless Control Component Illustration

Start Up Procedure

Connecting the Receiver to the Scoreboard

The receiver is connected to the scoreboard using a cable, which is provided, and plugged into a telephone jack located near the power input. The receiver receives its power from the scoreboard, therefore not requiring any batteries.

The control requires 4 each AA batteries, which are not included. Once you have installed the batteries in the control and plugged the receiver into the scoreboard, follow the instructions below.

Power must be turned on at the scoreboard before turning the wireless control on.

Setting a random channel for operation

The very first time that you use your wireless control, you must synchronize the control with the scoreboard that you are going to be operating by setting the channel. Once you have done this you will not have to do it again unless something would interfere with the signal. If this would happen, merely select another channel until the interference goes away.

With the power turned on at the scoreboard, turn the wireless control on. The LED indicators on the receiver should flash for about five seconds. This indicates that you have power to the scoreboard and the control is transmitting a signal.

The control is equipped with an infrared port, located on the front edge, as does the receiver. To set the control to a channel, hold the control within an inch of the receiver aligning the two infrared ports. The LED lights on the receiver will randomly flash for a few seconds indicating that the two infrared ports are communicating, as well as setting a channel. Once a channel is set, you cannot change to a different channel for at least 20 seconds. This feature eliminates accidental channel changing.

Setting a Particular Channel for operation

If you choose to select a particular channel, follow these simple steps:

Select and hold down the key on the keyboard overlay of the channel number you desire (1 – 7).

While holding down the key, align the infrared port on the control with the infrared port on the receiver. Continue holding the key down until the LED indicators on the receiver stop flashing, then release the key. The channel is now set.

Below is a chart showing you which channel is being chosen when you see the LED indicators flashing on the receiver. The Signal LED will only flash while pressing a key on the control indicating that data is being sent and received. The Signal LED is the LED nearest the infrared port on the receiver.

● = LED On	LED 1	LED 2	LED 4	Signal
○ = LED Off	LED 1	LED 2	LED 4	Signal
Channel 1	●	○	○	○
Channel 2	○	●	○	○
Channel 3	●	●	○	○
Channel 4	○	○	●	○
Channel 5	●	○	●	○
Channel 6	○	●	●	○
Channel 7	●	●	●	○

Confirming your Channel Selection

To confirm or determine which channel is set between the control and the receiver, try the following.

Hold the TIME OFF key in the down position. You will notice that the Signal LED is flashing steadily. Now look at LED 1, 2 and 4. Using the chart above, you can determine which channel is set.

Example: **LED 1 is the only one lit indicating Channel 1.**

Timer Operation

Entering Main Time

You must always enter the tenth second when setting the clock. Follow the example.

EXAMPLE: Press SET, then TIME

Press 8000

The scoreboard display shows 8:00. You had to enter the tenth second even though it does not display on the scoreboard until the last minute of the game.

Starting and Stopping the Main Timer

Press TIME ON to start the timer and TIME OFF to stop the timer.

Period

Press SET, then PERIOD and the number desired.

As you see by the example, you don't enter zeros that are not significant. In fact, to set the time to zero, just press SET then TIME then YES.

Score Entries

Let's enter a score for the home team.

Adding to Score

Press HOME SCORE

Press 2

The scoreboard displays a "2" in the HOME SCORE. Repeat this a few times.

It can add any number for you from 1 to 9.

Correcting Score

Sorry, you can't subtract. Use the SET key.

Press SET then HOME SCORE. Now enter any amount you wish.

Naturally, GUEST SCORE also works this way.

Team Fouls

HOME and GUEST TEAM FOULS operate the same as HOME and GUEST SCORE.

Weight Class

Press SHIFT, then WEIGHT and the number desired.

Bonus Indicators

Press SHIFT, then BONUS.

The scoreboard follows this sequence; "HOME", "GUEST", both on, both off.

Next Possession Indicators

Press SHIFT, then NEXT POSS.

The NEXT POSSESSION works just like BONUS (alternating between HOME and GUEST) except there is no state with both off or both on, once used for the first time.

Clearing Next Possession

You may blank the NEXT POSSESSION by pressing SHIFT, then NEXT POSS., and then BLANK.

Player Number and Fouls

Setting the Player Number

Press SHIFT, then PLAYER NUMBER and the number.

Setting Player Fouls

Press SHIFT, then PLAYER FOULS and the number.

Blanking the Scoreboard Display

If you want to remove the display from the scoreboard, you can do the following:

Press SHIFT, then PLAYER NUMBER and then BLANK. PLAYER FOULS works the same way.

Dimming the Scoreboard Display

You may dim the scoreboard display if it is too bright. Press SHIFT, and then DIM. Repeat the process to return the scoreboard display to bright again.

Chronometer

A chronometer is a time piece designed to keep time with great accuracy.

If you wish to use the scoreboard to display the Chronometer Time (Time of Day) when a game is not being played, try this.

Press SET, then TIME and enter a valid Time of Day. (i.e. 12000 for 12 o'clock). Next, hold the SET key down for approximately 5 seconds. The scoreboard display will go blank except for the time. When this happens, you're done. You can shut the control off and put it away. The scoreboard will keep an accurate Time of Day until you either turn the control back on and enter information or turn the power off to the scoreboard.

FCC Compliance Warning

Changes or modifications to the MCPH not expressly approved by NEVCO Scoreboards, Inc. could void the user's authority to operate this product.

Note: 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 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.

Five (5) Year Guarantee

Nevco scoreboards are guaranteed for a period of five (5) years from the date of invoice against defects in workmanship or material and will be replaced or repaired without cost to the owner provided the equipment or parts (which includes LED segments) are returned postage-paid to the Nevco factory. Shipping back to the owner will be surface postage prepaid except if air or special method of return is specified, then shipping will be freight collect. Lamp bulbs are excluded from this guarantee. No charges for time or material used by others in making repairs or corrections will be paid by Nevco Scoreboard Company. Guarantee void if: any alteration or service, other than unplugging modules or controls, is performed without Nevco factory authorization; or if the equipment shall have been connected to incorrect power, or is improperly grounded or improperly installed. Equipment which is subjected to accident, neglect, abuse, misuse or other natural disasters, including but not limited to: fire, wind, lightning, flood is not covered by this guarantee.

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Forestview Rd., P.O. Box 2629

Orillia, ON L3V 7C1 Canada

Fax: (705) 325-8891

Telephone: (800) 461-8550



REQUEST FOR SERVICE OR PARTS

Scoreboard Serial # _____

Service: Module(s) Serial # _____

Service: Control(s) Serial # _____

Person to Contact _____ Phone # _____

Comments: _____

Parts Request

	<u>Quantity</u>	<u>Part No.</u>	<u>Description</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

Bill To: _____ Purchase Order # _____

P.O. Box # _____

Street _____

City _____ State _____ Zip Code _____

Return To: _____

Street _____

City _____ State _____ Zip Code _____

Ship Via _____

Make a copy of this form to order parts needed and / or to return with item to be serviced.