

Scoreboard Operator's Instructions

Handheld Control (HHC) - Basketball



Thank You

Thank You for choosing Nevco Sports LLC. We appreciate your business.

The following instructions will help you become familiar with the operation and features of the scoreboard system.

Please take a few minutes to study this manual, and to practice with the control.

If you ever have any questions or comments, please call or email us.

NEVCO GUARANTEE

To view or receive the most recent copy of the Guarantee, please visit our website, www.nevco.com or call 1-618-664-0360.

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Table of Contents

- [Overview ... 7](#)
 - [Display Screens ... 7](#)
 - [Basketball Operation Guide ... 8](#)
 - [Button Functions ... 8](#)
 - [Game Operation Guide ... 8](#)
 - [Options Menu ... 9](#)
 - [Specifications ... 10](#)
 - [Compliance ... 11](#)
 - [Open-Source Software ... 11](#)
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Overview

The Handheld Controller provides easy control of game statistics and timing through a simple keypad interface with two information displays. This guide explains how to use each button and interpret the display screens.

Display Screens

Startup

When you power on your Nevco ONE handheld controller, you'll first see the "NEVCO SPORTS ONE" splash screen for approximately two seconds. The device automatically checks battery levels and displays warnings if batteries are low or critically depleted. If battery power is sufficient, the controller begins searching for nearby Nevco receivers. If the device is already configured to a ONE receiver, "Connecting to: [serial]" while establishing communication with the receiver. Once connected, you may be prompted to select from available activities to start.

Number Entry

To enter numbers, like Player number:

- Use the keypad:
- Buttons 1-9 for respective digits
- Center bottom button for 0
- The cursor shows the current digit position
- Press **Enter** to confirm
- Press **Back** to cancel

Basketball Operation Guide

Display Screens

Main Display

This is your default screen showing essential game information:

- Top line: Shows the game clock time with “Home” and “Gst” (Guest) labels
- Bottom line: Shows home team score, current period number, and guest team score
- Team selection is indicated by cursor position (highlighted team is currently selected)

Fouls Display

This screen appears temporarily (3 seconds) after pressing the foul button:

- Top line: Shows the game clock time with “Home” and “Gst” (Guest) labels
- Bottom line: Shows foul count for home team, “Fouls” label, and foul count for guest team
- Team selection is indicated by cursor position

Button Functions

Primary

The HHC keypad has 12 buttons arranged in a 3×4 grid. The top buttons are configured for basketball primary functions:

Label	Function
PERIOD	Increment period number (1-4, then overtime)
HORN	Press and hold: Sound horn/buzzer
CLOCK ON	Start the game clock
HOME	Select home teamHold: Set possession arrow to home team
GUEST	Select guest teamHold: Set possession arrow to guest team
CLOCK OFF	Stop/pause the game clock
SCORE	Add points to selected team (choose: Free Throw-1pt, Field Goal-2pts, 3-Pointer-3pts)
FOUL	Record foul for selected team and player

Label	Function
TIMEOUT	Use timeout for selected team (choose: 30 second or 60 second)
MORE	Access additional statistics menuHold: Undo last action

Additional Statistics (MORE Button Menu)

When you press the MORE button, you can access these additional statistics:

Function	Description
Assists	Record assist for selected team
Rebounds	Record rebound for selected team
Turnovers	Record turnover for selected team
Steals	Record steal for selected team

Game Operation Guide

Starting a Game

- The controller initially displays the main screen showing 0-0 score and period 1.
- Select a team using the HOME or GUEST buttons before recording any statistics.
- The cursor position indicates which team is currently selected.

Basic Scoring

- Select the scoring team using HOME or GUEST buttons.
- Press SCORE button to add points.
- Choose the type of score:
 - **Free Throw (FT):** 1 point
 - **Field Goal (FG):** 2 points
 - **3-Pointer (3PT):** 3 points

Clock Management

Game Clock Control

- Press CLOCK ON to start the game clock.
- Press CLOCK OFF to stop/pause the game clock.
- The clock counts down from the period time (typically 8 or 12 minutes per period).

Shot Clock

- The shot clock automatically starts when the game clock starts.

- Shot clock durations: 30 seconds (Shot 1) or 20 seconds (Shot 2).
- Shot clock resets automatically on scoring and certain game events.

Foul Management

Recording Fouls

- Select the team that committed the foul using HOME or GUEST buttons.
- Press FOUL to record a team foul and assign it to a player.
- The foul display will temporarily show current foul totals.

Bonus Situations

- The system automatically tracks when teams reach bonus foul situations.
- Bonus indicators will appear when the foul threshold is reached.

Timeout Management

Using Timeouts

- Select the team calling the timeout using HOME or GUEST buttons.
- Press TIMEOUT to use a timeout.
- Choose timeout duration:
 - **Short (30s):** 30 second timeout
 - **Long (60s):** 60 second timeout
- Teams receive 3 full timeouts and 3 short timeouts per half.
- In overtime, teams receive 1 additional timeout of each type.

Possession Management

Setting Possession Arrow

- Press and hold HOME to set possession arrow to home team.
- Press and hold GUEST to set possession arrow to guest team.
- Possession arrow indicates which team gets the ball in jump ball situations.

Period Management

Advancing Periods

- Press PERIOD to advance to the next period.
- Regulation game has 4 periods.
- After 4 periods, overtime periods can be added as needed.

- Timeouts are distributed per half (periods 1-2, periods 3-4).

Advanced Statistics

Recording Additional Stats

- Press MORE to access the statistics submenu.
- Available statistics:
 - **Assists:** Pass leading directly to a score
 - **Rebounds:** Recovering the ball after a missed shot
 - **Turnovers:** Losing possession to the opposing team
 - **Steals:** Taking the ball away from the opposing team

Automatic Functions

The Handheld Controller performs several automatic operations in accordance with basketball rules:

- Start shot clock when game clock starts.
- Reset shot clock after successful field goals.
- Track timeout usage and remaining timeouts per team.
- Sound horn when period expires.
- Track bonus foul situations automatically.
- Maintain possession arrow for jump ball situations.

Error Correction

Undo Function

- Press and hold MORE button to undo the last recorded action.
- This will reverse the most recent statistic entry.
- Use immediately after making an error for best results.

Options Menu

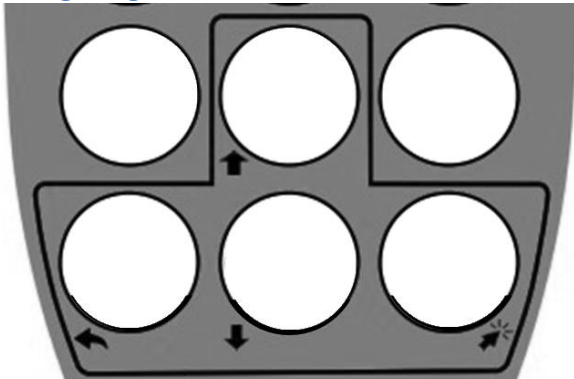
The NEVCO ONE handheld controller features an Options Menu for accessing device information and configuring system settings. This menu provides access to battery status, device configuration settings, and system details.

Accessing

To access the Options Menu:

- Press the "Options" button (located at the center bottom) from any screen.

Navigating



Keypad Navigation

Utilize the Up and Down buttons to navigate through different options.

- Press Enter to select the highlighted option.
- Press Back to return to the previous screen.

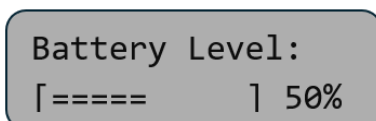
Available Options

The Options Menu includes the following selections:

Battery

This option displays current battery level information with visual battery indicator illustrates the approximate remaining charge.

This screen enables you to monitor your device's battery status to prevent depletion during critical operations.



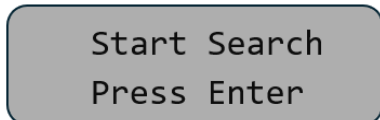
Battery Level

Note: The battery is also checked at startup and will display a warning when they are at or below 20%.

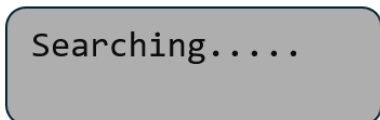
Configure

This option allows setup and connection to a receiver:

- Select this option to initiate a search for available receivers.
- The screen will display "Start Search" and "Press Enter".

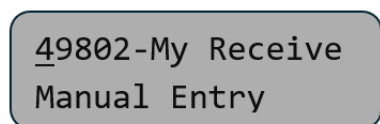


- Upon confirmation, the system will search for nearby NEVCO ONE receivers.



When receivers are detected, you can:

- Choose from a list of discovered receivers (displayed by serial number and name).
- Choose "Manual Entry" to manually input a receiver's serial number.



This functionality is essential for:

- Initial controller setup.
- Connecting to a different receiver.
- Troubleshooting connection issues.

About

This screen provides crucial device information:

- Serial Number: The unique serial number of your controller.
- Model: The model designation of your controller.

This information is often required when contacting technical support or identifying your specific device.

Help

This screen offers contact information for NEVCO technical support:

- Support Phone Number: 1-888-212-8185.

Contact this number if you encounter unresolved issues with your device despite consulting the manual or configuration options.

Specifications

• Small and light weight (fits in or clips to pocket) • Electronic Team Name and Caption Support • Tactile confirmation of key pressed • High visibility transfective display • Convenient wireless operation • Built in wireless signal strength meter • Power conservation circuitry • Built in battery meter • Long battery life • Uses inexpensive, readily available AA batteries • Sealed keyboard • No slip grip • Ergonomic single hand operation • Internal antenna • Mate multiple controls to same scoreboard • Operate multiple scoreboards • Retrofits to existing wired installations	Size: Approximately 3¼" x 5½" x 7/8" Weight: 5½ oz. (including batteries) Keypad: 12 keys Display: 32 character LCD Power Requirements: Two AA cells (included) Operating Distance: 1000 feet (clear line of sight) Receiver Output: One BNC connector (supports two loads with up to 1000 ft. coax each) Operating Temperature: 0°F to 150°F Certifications: FCC Part 15 Class B CE RoHS
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Compliance

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, 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.

The user is cautioned that changes and modifications made to the equipment without the approval of Nevco could void the user's authority to operate this equipment.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: This device may not cause interference. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : L'appareil ne doit pas produire de brouillage; L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Open-Source Software

This product makes use of open-source software. The open-source software is provided "as is" without any warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. The use of this software is subject to the terms and conditions of the respective open-source licenses.

The source code for the open-source software used in this product is available upon request. To obtain a copy of the source code, please send a written request to the following address:

NEVCO, Inc.

301 East Harris Avenue

Greenville, IL 62246-2151 USA

Please include your name, address, and the specific software for which you are requesting the source code. We will respond to your request as soon as possible.