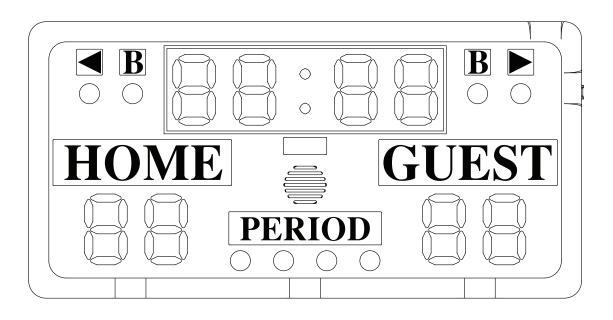# VARSITY
SCOREBOARDS

MODEL 2207

Installation & Operation Manual

MODEL 2207 INSTALLATION

WARRANTY

This product is warrantied against defects in materials and workmanship for the period specified in the warranty from the date of invoice.
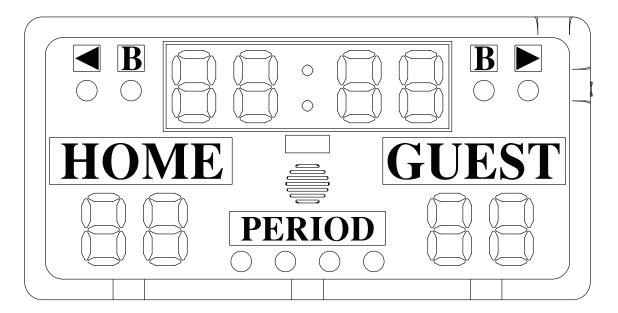
SERVICE

Technical support is available 24 hours a day, 7 days a week.
1-800-411-3136

https://www.varsityscoreboards.com/support/contact-support.html
(link to fill out support request on website)

A NOTE TO INSTALLERS

If you are installing this scoreboard for a client, please return the manual to the individual in charge of the scoreboard upon completion of installation.

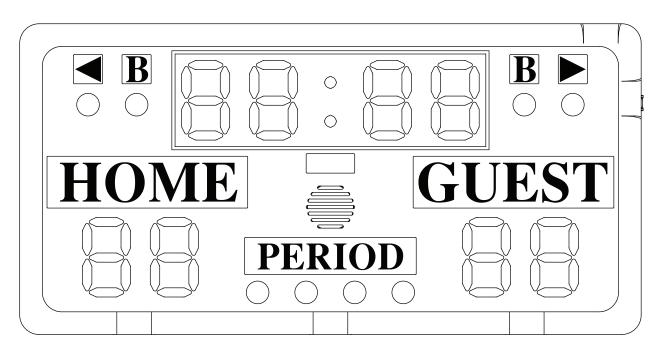

SCOREBOARD DIMENSIONS

4.0' wide x 2.0' tall x 4" deep

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MODEL 2207 INSTALLATION

Please inspect all shipping containers upon arrival for damage and ensure that you have all of the parts listed below:
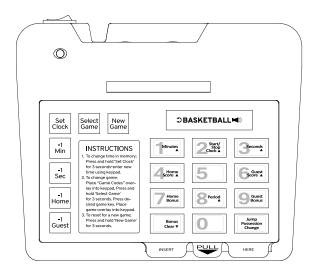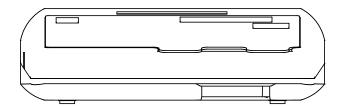
ITEMS IN
LARGE PACKAGE(S)

(1) 4' x 2' Basketball Scoreboard

Shipped in (1) section

ITEMS IN
ACCESSORY BAG

(1) Handheld controller with keypad insert

(1) 10' Interface cable [for scoreboard to keyboard connection]

(1) 100' Male to Female DIN extension. [for interface cable connection]

(1) 10V AC Adapter [for scoreboard wall connection]

INSTRUCTIONS FOR
REPORTING SHIPPING DAMAGE

1 /

Note "DAMAGED" on the Delivery Receipt Form, including details of the type of damage to the freight and packaging.

2 /

Ask the delivery driver to call the local terminal and report immediately.

3 /

Contact Varsity Scoreboards immediately while the delivery driver is still present to report the damage

A. Phone number
B. Email

Shipping damage **must** be noted at the time of delivery. The shipper is **not responsible** for shipments that aren't sighted for as damaged upon arrival. The shipper is responsible for filing a claim, unless shipped 3rd party.

INSTALLATION OVERVIEW

This manual will walk you through the installation of the scoreboard. While care has been taken to consider the many scenarios for installation, some general information applies to all. Follow this guide as closely as possible to ensure proper installation.

1 /

Review the product specifications below to determine your specific installation hardware.

2 /

Determine the scoreboard's location and orientation.

3 /

Mount the scoreboard to a wall.

4 /

Run and connect electrical service to the scoreboard.

5 /

Test the installed system.

PRODUCT SPECIFICATIONS

OVERALL DIMENSIONS

4' L x 2' W x 4" D - shipped in one (1) section

WEIGHT

Hanging weight = approximately 35 lbs
Shipping weight = approximately 40 lbs

INSTALLATION RECOMMENDATIONS

We recommend this model to be installed by mounting to a wall.

Installation hardware not supplied. Check local code for requirements. Anchors, bolts, chains, cables and related hardware must meet minimum weight requirements.

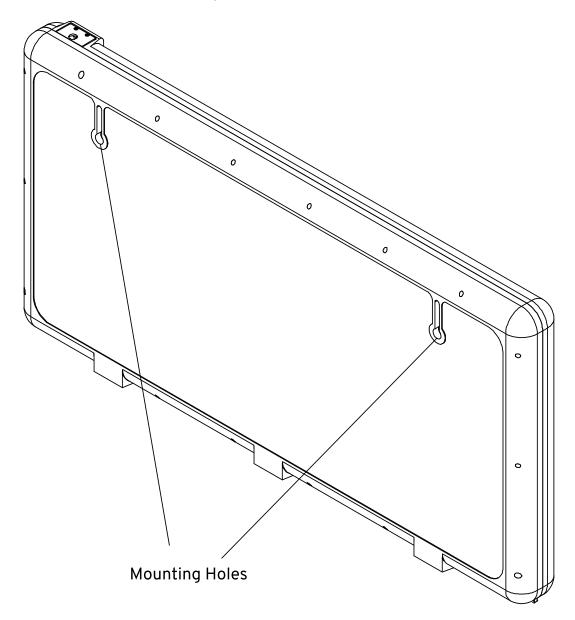# MOUNTING THE SCOREBOARD ON A WALL

1 /

Carefully remove the scoreboard from its packaging, making sure not to pry against or cut into the scoreboard. Inspect each unit for shipping damage according to the instructions on page 6.

2 /

Using the holes in the back of the scoreboard, mount the scoreboard to the wall with weight appropriate anchors and screws. (See figure below)

Mounting Holes

CONNECTING THE CABLES

1 /

Connect the 9-Pin end of the 10' interface cable to the scoreboard.

2 /

Connect the 100' female end to the male end of the 10' interface cable if needed.

3 /

Connect the 5-Pin end to the controller. **DO NOT place any batteries inside the controller. When the controller is directly plugged into a model with a cable, adding batteries will overcharge the voltage of the controller and the device will be damaged.**

4 /

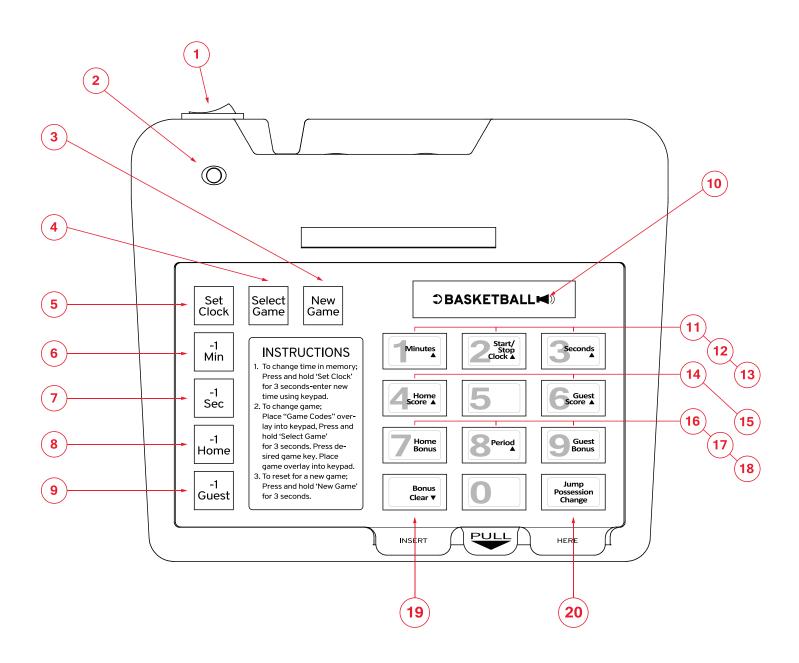Connect the male end of the 10V AC adapter to the scoreboard input.

5 /

Connect the 2-Pronged end of the 10V AC adapter to a 120V wall outlet.

6 /

The scoreboard is now ready for use.

NOTE: Refer to the OPERATION MANUAL on the next page.

OPERATION MANUAL

THE HANDHELD SCOREBOARD CONTROLLER

1

2

3

4

10

5 — Set Clock

Select Game

New Game

BASKETBALL

6 — -1 Min

7 — -1 Sec

8 — -1 Home

9 — -1 Guest

INSTRUCTIONS
1. To change time in memory; Press and hold 'Set Clock' for 3 seconds-enter new time using keypad.
2. To change game; Place "Game Codes" overlay into keypad, Press and hold 'Select Game' for 3 seconds. Press desired game key. Place game overlay into keypad.
3. To reset for a new game; Press and hold 'New Game' for 3 seconds.

1 Minutes ▲

2 Start/ Stop Clock ▲

3 Seconds ▲

11

12

14

13

4 Home Score ▲

5

6 Guest Score ▲

16

15

7 Home Bonus

8 Period ▲

9 Guest Bonus

17

18

Bonus Clear ▼

0

Jump Possession Change

INSERT   PULL ▼   HERE

19

20

OPERATION MANUAL

CONTROLLER DEFINTIONS

1 / Power

Turns Controller on/off.

2 / LED Indicator

Indicates power and network identification.

3 / New Game

Starts a new game. Press and hold for 5 seconds or until scoreboard resets.

4 / Select Game

Switches from one game to another. Hold for 5 seconds until scoreboard blanks out, then press the desired game/sport.

5 / Set Clock

Accesses options mode. Hold for 5 seconds to access.

6 / -1 Min

Decreases the minutes on the clock.

7 / -1 Sec

Decreases the seconds on the clock.

8 / -1 Home

Decreases the HOME score.

9 / -1 Guest

Decreases the GUEST score.

10 / Horn Key

Sounds the scoreboard's horn (if applicable). In Options mode, toggles the Auto Horn feature on and off. Used in setup mode to accept choice(s).

11 / Minutes

Increases minutes on the clock.

12 / Start/Stop Clock

Starts/Stop the clock.

13 / Seconds

Used to increase the seconds on the clock.

14 / Home Score

Advances the HOME score.

15 / Guest Score

Advances the GUEST Score.

16 / Home Bonus

Lights up, or increases, the HOME Bonus Indicators.

17 / Period

Advances the PERIOD display.

18 / Guest Bonus

Lights up, or increases, the GUEST Bonus Indicators.

19 / Bonus Clear

Clears the lit Bonus indicators.

20 / Possession Change

Toggles between the HOME and GUEST possession indicators.

COMMUNICATION

THE BACK

CABLE: Connect the provided 5-pin DIN cable to the handheld controller and then to the provided junction box cover plate assembly.

⚠️ **WARNING:** When using the cable option with the factory provided components, AA batteries can NOT be placed in the controller. Doing so will cause the device to receive too much power and damage the controller.

GETTING STARTED

SINGLE SCOREBOARD START-UP MODE

Pertains to a single cable-controlled scoreboard and its controller.

1 /

At power up, the single scoreboard will be flashing "1"s. Press the **BASKETBALL/HORN** key and this will put you into game mode.

2 /

Press and hold the **NEW GAME** key for 5 seconds to reset the scoreboard.

OPTIONS MODE

The scoreboard is configured with default settings. Use this section of the Operating Instructions manual to make changes to the default settings. To access the Options Menu the controller must be powered on. Press and hold the **SET CLOCK** key for 5 seconds to enter into Options Mode.

CHANGING CLOCK FROM COUNT DOWN TO COUNT UP

This option is for scoreboards with clocks only.

Once in the Options Mode, the clock will immediately display either **"uP"** or **"dn"** indicating whether the clock is in Count Up or Count Down mode. This can be changed by pressing the **Period** key. Once satisfied with your selection press the **SET CLOCK** key to exit this Options Mode.

ADJUSTING THE CLOCK DEFAULT TIME

This option is for scoreboards with clocks only.

Once in the Options Menu, you have the ability to adjust the default time for the scoreboard's clock (the time that will appear each time you power up). While in the options menu, press the **Home Score** to increase and the **-1 Home** to decrease the minutes. Press the **Guest Score** to increase and the **-1 Guest** to decrease the seconds. Once satisfied with your selection press the **SET CLOCK** key to exit this Options Mode.

SETTING THE AUTO-HORN

Once in the Options Mode, you have the ability to set the default horn setting. This setting determines whether the horn sounds at the end of each period. While in the options menu, press the **Horn** Key. This will toggle the Auto Horn between **"on"** and **"oF"** and show this on the scoreboard. Once satisfied with your selection, press the **SET CLOCK** key to exit this Options Mode.

CHANGING GAME MODES

To change Game Modes, insert the Game Codes card into the handheld controller. Press and hold the Select Game key for 5 seconds. When the scoreboard blanks out, press the desired game (Basketball or Volleyball).

SCORING A BASKETBALL GAME

SCORING

1 /

To increase either score by one, press the **Home Score** or **Guest Score** key.

2 /

To decrease either score by one, press the **-1 Home** or **-1 Guest** Key.

PERIOD

1 /

To increase the Period by one, press the **Period** key.

BONUS

1 /

To light up the Bonus dots, press the appropriate side **(HOME or GUEST)**, **Bonus** keys.

2 /

To Clear the Bonus indicators, press the **Bonus Clear** key.

POSSESSION

1 /

Press the **Possession Change** key to toggle between the **HOME and GUEST** Possession arrows.

SCORING A VOLLEYBALL GAME

SCORING

1 /

To increase either score by one, press the **Home Score** or **Guest Score** key.

2 /

To decrease either score by one, press the **-1 Home** or **-1 Guest** Key.

NOTE: AFTER EACH USE, POWER TO THE SCOREBOARD MUST BE SHUT OFF AT THE SCOREBOARD'S POWER DISCONNECT SWITCH OR CIRCUIT BREAKER. FAILURE TO DO SO WILL RESULT IN UNNECESSARY POWER CONSUMPTION AND MAY SHORTEN THE LIFE OF THE DISPLAYS AND ELECTRONICS.

NOTE: THE WIRELESS HANDHELD CONTROLLER SHOULD BE POWERED DOWN AFTER EVERY USE (TO PRESERVER BATTERY LIFE) AND STORED IN A DRY PLACE.

NOTICE: This equipment has been tested and found to comply with the limits for a Class A digital device, persuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their expense.