



**FUNTRONIX
PORTABLE ELECTRONIC
SCOREBOARD**

Model SB-200

OPERATING MANUAL

Revised February 20, 2017

 **WARNING:**
CHOKING HAZARD - Small Parts.
Not for children under 3 years.

The contents of the package may contain parts and packing materials that can be hazardous to children under 3 years old. These components must be handled with adult supervision.



While the optional wall-mount power supply is UL approved, care must be taken when plugging the power supply into a standard wall outlet, as this is a source of dangerous high voltage.

ADDITIONAL WARNING:

Staring directly at the scoreboard display at close range for long periods of time may cause eye strain or eye damage.

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.

Thank you for purchasing a Funtronix Portable Electronic Scoreboard. At Funtronix, our motto is "Electronic Fun for Everyone". By offering a line of affordable electronic scoreboards, our goal is to add a little fun to your sports and leisure activities.

Before using your new scoreboard, please read the following precautions. Doing so will reward you with many years of enjoyment with your new scoreboard. Failure to follow them may cause bodily harm or may damage the scoreboard beyond the terms of the warranty.

1. *DO NOT* expose the scoreboard or remote to rain or other condensed moisture.
2. *DO NOT* store the scoreboard or remote in direct sunlight for extended periods of time.
3. *DO NOT* drop or hit the scoreboard, as this may result in injury and/or void the warranty.
4. *Do NOT* use abrasives or spray cleaning solutions onto the scoreboard or remote. See Section 5 for care and maintenance.
5. *DO* read the entire owner's manual so that you will utilize the full potential and versatility of your new scoreboard.

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KEY FEATURES

- 15-channel wireless RF Interface with an operating range of up to 200 feet*
- Large 6-inch score digits displays scores of up to 199 points per team
- Three brightness settings for indoor and outdoor use
- Powered by batteries** for portability or optional AC adapter (purchased separately)
- Fold-down sponsor panel
- Measures 24" x 12" x 2" and weighs only 7 pounds

* *Outdoor open-field environment.*

** *Requires 8 C-size alkaline batteries for the scoreboard*


SECTION 1: SCOREBOARD SETUP

1. If you are using the scoreboard **without** an AC adapter, remove the battery covers located on the rear of the scoreboard and install 8 C-size alkaline batteries (not included). Close battery covers.
2. Charge the keypad remote control battery as described in **Section 3**.
3. Use the optional AC adapter if operating the scoreboard near an electrical outlet to conserve batteries.

NOTE: *If you are using the scoreboard outdoors, aim the display away from the sun for best visibility.*


4. Your scoreboard is shipped with the keypad already paired to it. If you need to re-connect the keypad to the scoreboard follow the steps in **Section 4**.



5. Select the display brightness by pressing and holding the  button for approximately 3 seconds. Each press and hold of this button will toggle between the three display brightness settings.

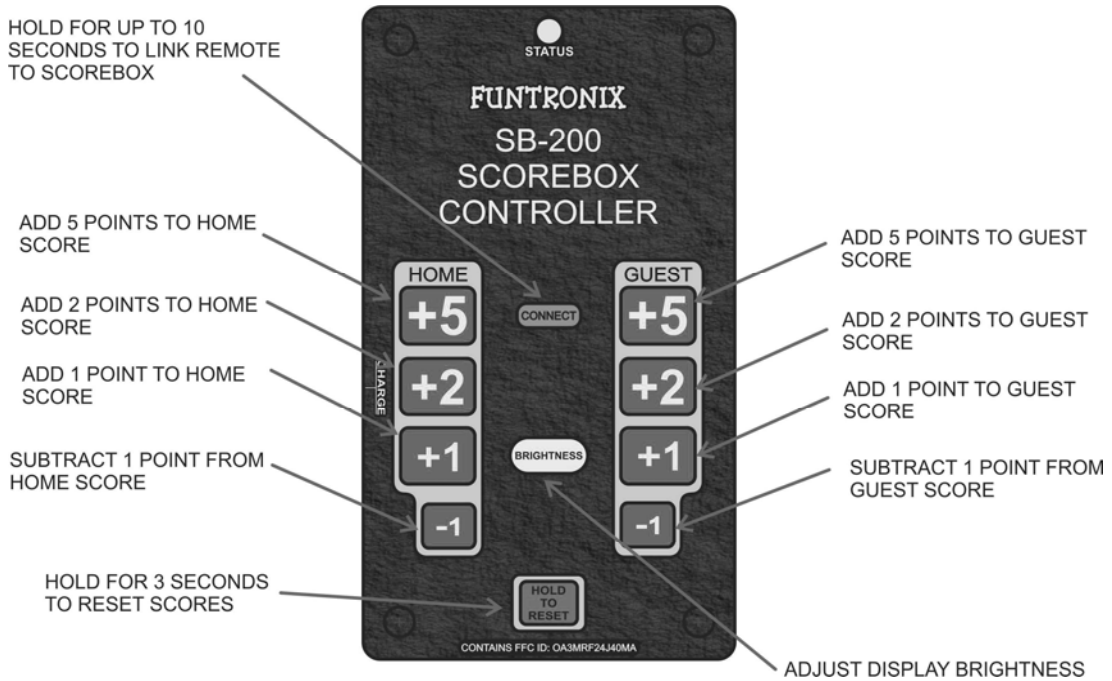
6. If the scoreboard appears to operate erratically, interference from nearby radio sources may be the



- cause. Press and hold the  button for approximately 3 seconds to change the operating channel of the scoreboard. Repeat this step to find a channel that does not interfere with the performance of the scoreboard.
7. Test the operation of your scoreboard to verify performance over the distance between the remote and scoreboard prior to the start of your game. Move the scoreboard closer to the remote operator if it does not respond as expected.
8. You are now ready to use your scoreboard. Proceed to the next section for instructions on using your scoreboard.

SECTION 2: USING YOUR SCOREBOARD

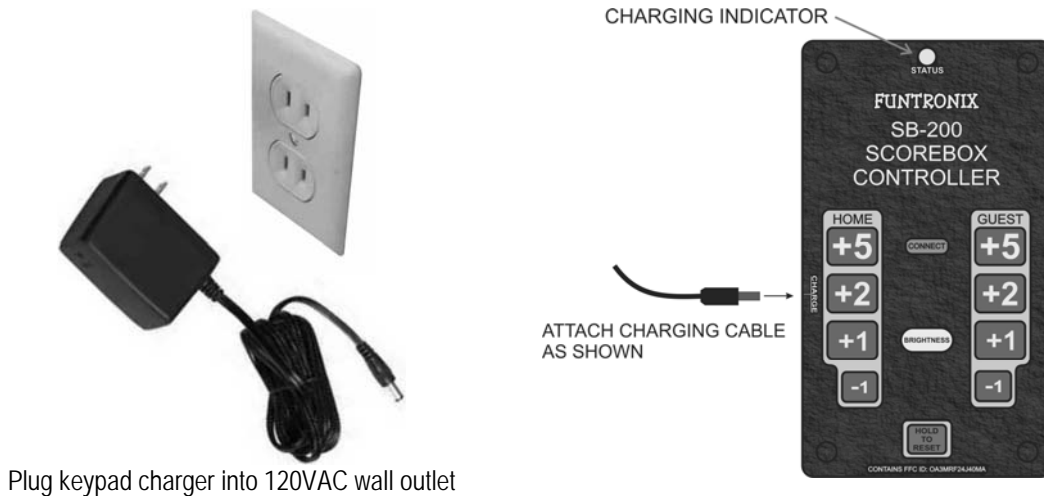
Refer to the figure below describing the keypad remote button functions for operating your scoreboard.



SECTION 3: CHARGING THE KEYPAD BATTERY

The wireless keypad contains a rechargeable battery. While the charge of the keypad battery will typically last between 1 to 2 weeks (depending on usage), we recommend charging your keypad the night before each use of the scoreboard.

The charging indicator will light up orange to indicate the keypad is charging. The light will turn green once the keypad is fully charged.






Plug keypad charger into 120VAC wall outlet

SECTION 4: ESTABLISHING A CONNECTION BETWEEN SCOREBOARD AND REMOTE

1. Cycle the scoreboard power off and on (waiting 3 seconds before each turn-on) until the scoreboard is displaying the connection screen shown at right.
2. If the keypad had previously been paired to the scoreboard, you must first instruct the



keypad to forget any old connections it had by simultaneously pressing and holding the  and guest  buttons until the keypad emits five beeps.

3. Press and hold the  button on the remote for up to 5 seconds (until the remote emits a single beep). The scoreboard will go through a process of connecting to the remote and will respond after a few seconds by displaying the radio channel number. The remote will emit a double-beep when the connection process is complete.
4. After a couple seconds the scoreboard will show a normal display and is then ready for action.

SECTION 5: CARE AND MAINTENANCE

Keep your scoreboard clean for optimum viewing of the display.

- Never spray cleaning solutions directly onto the scoreboard or remote.
- Use only ammonia-free window cleaning solution.

To clean your scoreboard, spray the cleaner onto a clean cloth. Lightly wipe the scoreboard or remote with the damp cloth until clean. To eliminate fine scratches on the front panel, apply a small amount of carnuba car wax on a terry cloth and lightly wipe the front panel.

SECTION 6: PRODUCT SPECIFICATIONS

(Product specifications subject to change without notice)

FUNCTIONAL SPECIFICATIONS:

Score Digit Range: 0 to 199 points
Remote Operating Range: up to 200 feet (outdoors open-field environment)

ELECTRICAL SPECIFICATIONS:

Operating Voltage: +12 volts DC
Operating Current: 200 mA Nominal (low brightness)
350 mA Nominal (medium-brightness)
500 mA Nominal (high brightness)

BATTERY REQUIREMENTS / LIFE EXPECTANCY

8 x C-size alkaline batteries
Up to 40 hours continuous use - low brightness mode
Up to 15 hours continuous use – high brightness mode

POWER ADAPTER SPECIFICATION:

Use Only Funtronix AC adapter 125VAC input, 12V 2A DC output.
Part Number: PS-12V-3000: 5.5mm x 2.1mm barrel connector, center-positive.

MECHANICAL SPECIFICATIONS:

Dimensions (approximate): 24" X 12 X 2.2"
Weight: approximately 7 pounds

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: 0 C to 50 C
Storage Temperature: -10 C to +55 C
Humidity: 0 to 95% non-condensing

Write down your product serial number for your records.

SN: _____

Please visit our website for new products and accessories for your scoreboard:

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