

FUNTRONIX

SCORE-N-TIME™

**MID-SIZED
PORTABLE WIRELESS FOOTBALL
SCOREBOARD**

**OPERATING MANUAL
Model SNT-340F**

Revised January 7, 2016

 **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 WARNINGS:

1. Staring directly at the scoreboard display at close range for long periods of time may cause eye strain or eye damage.
2. Close proximity to the horn while it is sounding may cause hearing loss or damage. Make certain everyone maintains a safe distance whenever the horn is sounded.

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 Score-N-Time™ 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 keypad to rain or other condensed moisture.
2. *DO NOT* store the scoreboard or keypad 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 keypad. See Section 7 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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PRODUCT FEATURES

- 15-channel wireless RF remote-controlled keypad operates up to 200 feet from scoreboard*
- Large 6-inch score digits and 4-inch clock digits
- Loud 110 dB internal horn** for end-of-quarter and other alerts
- Outdoor-readable LED display with three brightness settings
- Game clock adjustable from 15 seconds to 99 minutes
- Up to 4 quarters plus adjustable halftime and overtime
- Adjustable Short and Long Timeouts
- Displays team scores up to 199 points
- Team possession indicators
- Downs and Yards-to-Gain display
- Save-game feature allows current game data to be saved and recalled at a later time
- Tenth-second game clock resolution when remaining time is less than 1 minute
- Fold-out legs for standing scoreboard up on a table or floor
- Power save feature turns display off when game has been idle for an extended time
- Powered by batteries*** for portability or optional AC adapter (purchased separately)
- Aluminum frame construction

* *Outdoor open-field environment.*

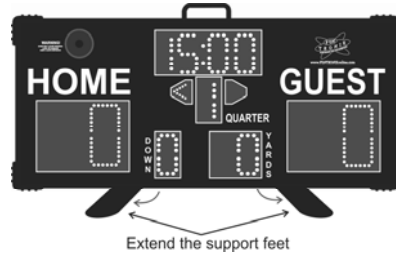
** *Horn loudness will vary as the batteries are depleted. Use fresh batteries or AC adapter for best performance.*

*** *Requires 8 C-size alkaline batteries.*

SECTION 1: SCOREBOARD SETUP

1. If you are using the scoreboard **without** an AC adapter, open the two battery covers located on the back-side of the scoreboard and install 8 C-size alkaline batteries (not included). Close the battery covers.
2. Charge the wireless keypad (if applicable) as described in **Section 5**.
3. Use the optional AC adapter if operating the scoreboard near an electrical outlet to conserve batteries.

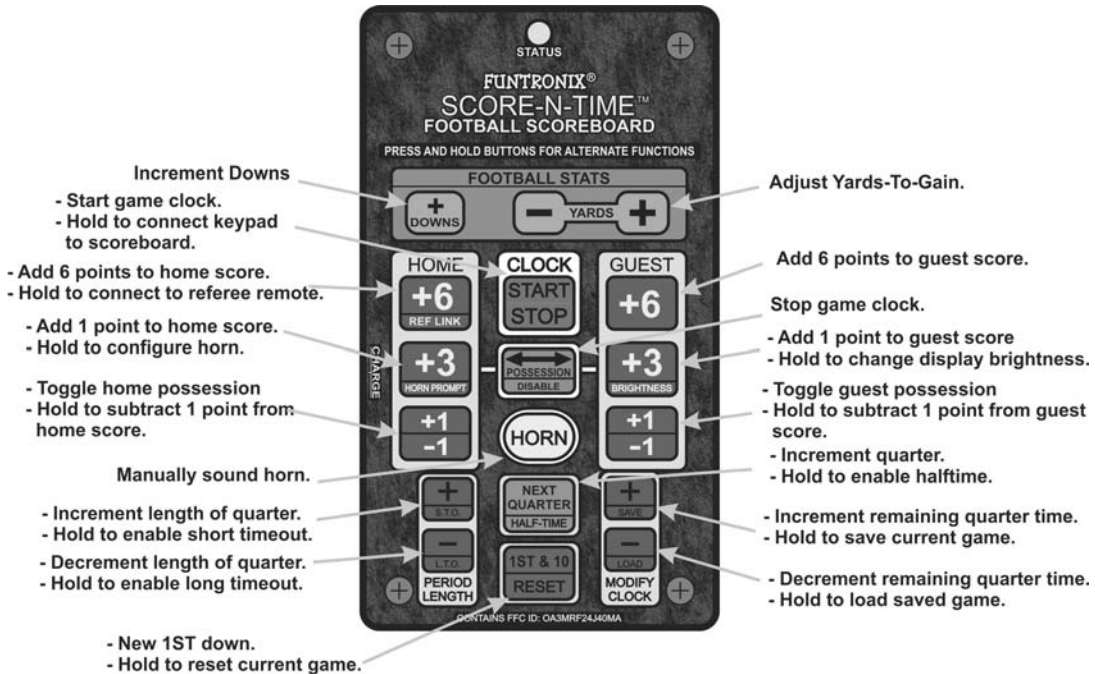
NOTE: *If you are using the scoreboard outdoors, aim the display away from the sun for best visibility.*






4. Extend the swivel feet found under the scoreboard to stand it upright on a table or floor.
5. Place the scoreboard in a desired location near your playing field. The best location is mid-court on the sidelines. This will provide the best view of the display. It can also be placed in the corner of the playing field, as long as everyone in the opposite corner of the field can view it and is within radio range of the keypad.
6. Select the display brightness by pressing and holding the GUEST **+3** BRIGHTNESS button for approximately 3 seconds. Each press and hold of this button will toggle between the low, mid, and high brightness levels.
7. You are now ready to use your scoreboard. Proceed to **Section 2** for instructions on using your scoreboard.


SECTION 2: USING YOUR SCOREBOARD

This section describes the layout of the keypad and how to use the scoreboard.





















LAYOUT OF THE SNT-340F SCOREBOARD KEYPAD

- Set the quarter length with the  and  buttons. The quarter length can be set from 15 seconds up to 99 minutes. All quarters (except overtime and halftime) will start with this time and will be stored in the scoreboard even after power is turned off. **The ability to set the length of the current quarter is disabled once the quarter has started.**
- The possession arrows can be enabled or disabled at any time before or during a game. Hold the  button for approximately 3 seconds to disable the possession arrows. Press this button any time to re-enable them. With the arrows enabled, each press of this button will toggle the possession arrows.
- The scoreboard horn can be configured to automatically sound for different conditions (aside from manually sounding it with the 'HORN' button). **The game clock must be enabled for the automatic horn sounding to be enabled:**

Press and hold the  button for 3 seconds to cycle through each of the three modes described below.

HORN MODE	DESCRIPTION OF HORN MODE	INDICATED BY
1	Automatic horn sound disabled – no horn when quarter expires or when clock started/stopped	Display blinking once when selected
2	Horn sounds when quarter ends (default)	Horn beeps once
3	Horn sounds when clock starts/stops, and when quarter ends	Horn beeps twice

NOTE: *The display may dim or go off while the horn is sounding when the scoreboard is powered with batteries. This is a sign that the batteries are near the end of their life.*






4. Each press of the  button will start and stop the game clock.
5. Use the HOME   , and GUEST   and  buttons to control the team scores.
6. The possession arrows can be enabled or disabled at any time before or during a game. Hold the  button for approximately 3 seconds to disable the possession arrows. Press this button any time to re-enable them. With the arrows enabled, each press of this button will toggle the possession arrows.
6. Use the  button to increment the Downs digit by one.
7. Use the  buttons to adjust the remaining yards to first down.
8. Press and release the  button for a new first down and 10 yards to gain.
9. After approximately 10 minutes of non-use (game clock stopped, no buttons pressed), the scoreboard display will shut off and the game clock decimal point will blink to indicate the scoreboard is still on and in power save mode. Pressing any button on the remote will re-awaken the scoreboard with the previous status of the game play information intact.
10. To adjust the remaining time in a quarter during game play (*i.e.*, disputed call requiring adding time back onto the game clock): stop the game clock and press the  and  buttons to add or subtract time from the game clock, respectively. Game play can resume by pressing the  button. This adjustment will not affect the length of the remaining quarters.
11. If your game goes into overtime, set the quarter digit to '0' by repeated presses of the  button and then set the length of the overtime period time using the  and  buttons. See **Section 3** for details on using the halftime and overtime periods.
12. Your scoreboard features a short and long timeout function that can be used in various play modes. Refer to **Section 4** for details on using the short and long timeout feature.
13. Hold the  button for approximately 3 seconds when you're ready to reset your current game. **The game clock must be stopped to perform this action.**

SECTION 3: HALFTIME AND OVERTIME PERIODS





Your scoreboard features an adjustable halftime period and overtime period. The halftime period can be inserted between any of the regular quarters 1 through 4. It can be adjusted from 15 seconds to 99 minutes, and is independent of regulation quarter times. The overtime period can be called up when regulation play time has ended and an overtime period is required. It can be set for 15 seconds to 99 minutes and is independent of regulation quarter times.

To initiate a halftime period, follow these steps:

1. You must be in a play mode that uses the quarter digit and game clock to enable the halftime period.
2. Wait until the current quarter of play comes to an end and the end-of-quarter horn has sounded (if enabled).








3. Press and hold the  button for 3 seconds. The quarter digit will change to an 'H'.
4. Use the  and  buttons to adjust the length of the halftime period.
5. Press the  button to start the halftime clock.
6. When halftime is over, press the  button to advance to the next regular quarter.

To initiate an overtime period, follow these steps:

1. You must be in a play mode that uses the quarter digit and game clock to enable the overtime period.
2. Wait until the current quarter of play comes to an end and the end-of-quarter horn has sounded (if enabled).
3. Press the  button repeatedly until the quarter digit shows a 'O'.
4. Use the  and  buttons to adjust the length of the overtime period.
5. Press the  button to start the overtime clock.
6. When the overtime period ends and another overtime period is required, simply repeat Steps 4 and 5 to add time back to the clock and restart it. The game clock must be stopped in order to set the time.

SECTION 4: SHORT AND LONG TIMEOUTS

Your scoreboard features an adjustable short timeout and long timeout function. Follow the steps below to initiate a timeout.

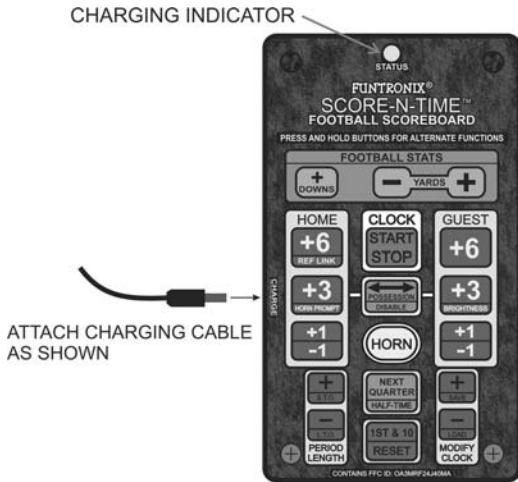
1. Make sure the game clock has been stopped.
2. Press and hold either the  or  button for approximately 3 seconds to initiate a short timeout or long timeout, respectively. The quarter digit will blink to indicate you are in a timeout.
3. Adjust the length of your timeout using the same  or  buttons (without holding them down).
4. Press the  button to start and stop your timeout clock.
5. You can cancel your timeout by first stopping the timeout clock and then pressing either the  or  button. Pressing either of these buttons during a timeout will return the quarter and game clock to their last values.

Note: Your timeout time settings will be saved in memory for the next time you use them.

SECTION 5: CHARGING THE WIRELESS KEYPAD



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.

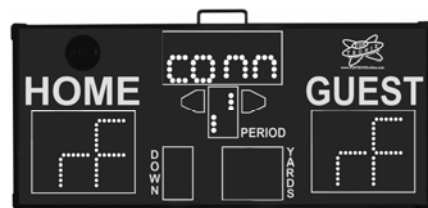


Plug keypad charger into 120VAC wall outlet after plugging charger into keypad


SECTION 6: PAIRING THE SCOREBOARD AND KEYPAD

1. If you are operating your scoreboard with the CK-300F corded sit-behind keypad and a wireless keypad, you must first unplug the corded sit-behind keypad before proceeding.
2. If your keypad had previously been paired to a scoreboard, you must first instruct the keypad to drop any old connections before proceeding to Step 3. To do this, simultaneously press the  and  buttons for approximately 5 seconds until the keypad emits 5 beeps in a row.

3. Cycle the scoreboard power off and on (waiting 3 seconds before each turn-on) until the scoreboard is displaying the keypad RF connection screen shown below at right. Make certain only one scoreboard in the vicinity is showing this display at any given time, otherwise the pairing process will fail.



RF connection screen

4. Press and hold the  button on the keypad for up to 10 seconds (until the keypad emits a beep). The scoreboard will go through a process of reconnecting to the keypad and will respond after a few seconds by displaying the radio channel number. The keypad will beep twice if the connection is good, or 3 times if the connection failed. Repeat this step if necessary to establish a connection.
5. After a couple seconds the scoreboard will show a normal display and is then ready for action.
6. Reconnect the corded sit-behind keypad (if applicable).

SECTION 7: CARE AND MAINTENANCE

Keep your scoreboard clean for optimum viewing of the display.

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

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

SECTION 8: TROUBLESHOOTING GUIDE


Symptom: Keypad remote doesn't appear to work or scoreboard fails to connect to keypad.

- Solutions:**
1. Keypad-scoreboard range may be too far. Move the scoreboard closer to the keypad.
 2. Recharge the keypad battery. See **Section 5** for details.
 3. Re-establish radio connection between scoreboard and keypad as described in **Section 6**.

Symptom: Game clock is not displayed.

Solution: Follow instructions in **Section 2** to select a play mode that uses the game clock.

Symptom: Scoreboard won't turn on or display is dim.

- Solutions:**
1. Screen brightness is on low setting: Press and hold the  button for 3 seconds to change brightness.
 2. Replace the batteries in the scoreboard.

Symptom: Display 'blinks' when a button is pressed on the keypad.

Solution: This is normal.

Symptom: Corded sit-behind LCD keypad display is blank.

Solution: Scoreboard power must be turned off prior to attaching the corded keypad. Cycle the power on the scoreboard to initialize the keypad LCD.

SECTION 9: PRODUCT SPECIFICATIONS

(Product specifications subject to change without notice)

FUNCTIONAL SPECIFICATIONS:

Score Digit Range:	0 to 199 points
Game Clock Range:	15 seconds to 99 minutes (all modes except Bocce Ball) 1 minute to 99 hours (Bocce Ball mode)
Total Number of Quarters:	1 to 9, plus 0 for overtime
Timeout Settings:	Short: 1 to 59 seconds, with course settings of 15, 30, and 45 seconds Long: 1 to 99 minutes
Keypad Operating Range:	up to 200 feet (outdoor open-field tested)

ELECTRICAL SPECIFICATIONS:

Operating Voltage:	+12 volts DC
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BATTERY REQUIREMENTS / LIFE EXPECTANCY

8 x C-size alkaline batteries
Up to 55 hours continuous use - low brightness level
Up to 24 hours continuous use – mid brightness level
Up to 15 hours continuous use – high brightness level

POWER ADAPTER SPECIFICATION:

Use Only Funtronix AC adapter	120VAC input, 12V 2 A DC output.
Part Number: PS-12V-3000:	5.5mm x 2.1mm barrel connector, center-positive.

MECHANICAL SPECIFICATIONS:

Dimensions:	36 inches wide, 15 inches tall, 2 ¼ inches deep
Weight:	approximately 12 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:

www.funtronixonline.com



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