

FUNTRONIX®

SCORE-N-TIME™

**MID-SIZED
PORTABLE WIRELESS FOOTBALL
SCOREBOARD**

**OPERATING MANUAL
Model SNT-300F**

Revised January 21, 2013

 **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-period and other alerts
- Outdoor-readable LED display with three brightness settings
- Game clock adjustable from 15 seconds to 99 minutes
- Up to 9 periods 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 for the scoreboard and two AAA-size batteries for the keypad.*

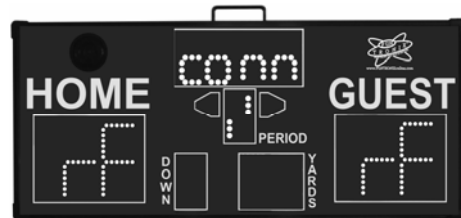
SECTION 1: SCOREBOARD SETUP

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. Install two AAA-size batteries (not included) in the keypad as described in **Section 5**.
3. Extend the rear support legs located on the back side of the scoreboard as shown and place the scoreboard on a stable surface (floor, table, etc).
4. 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.*

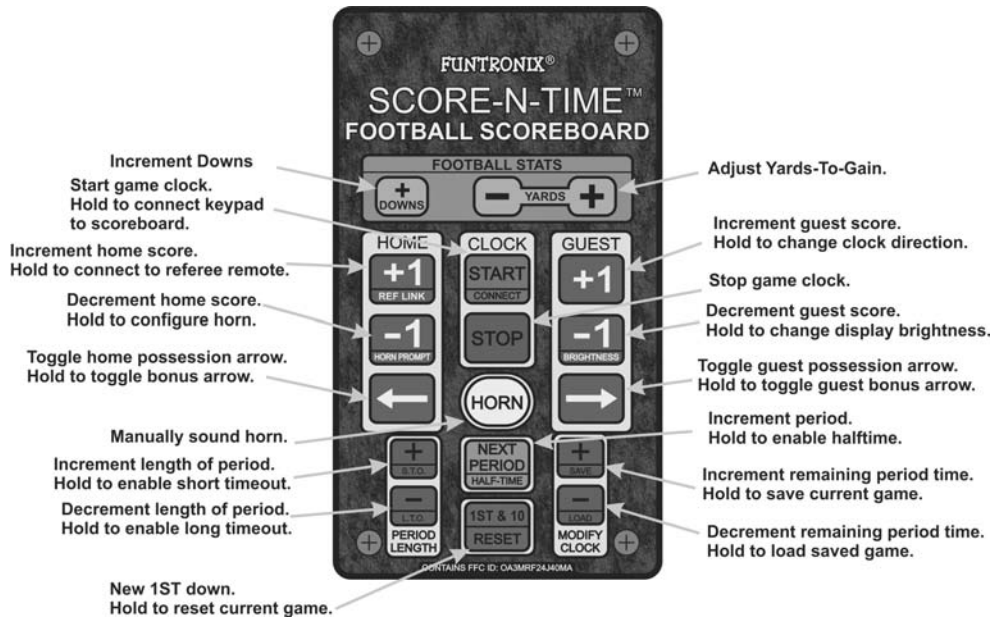
5. Place the scoreboard in a desired location near your playing field. The best location is mid-court on the sidelines. This will provide the best view of the display. It can also be placed in the corner of the playing field, as long as everyone in the opposite corner of the field can view it and is within radio range of the keypad.
6. Turn the scoreboard on using the power switch located on the back of the scoreboard. If the scoreboard is displaying the connection message shown at right, press and hold the  button on the keypad for up to 10 seconds to establish communications between the scoreboard and keypad. 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. Proceed to **Step 7** below when the connection is complete.







RF connection screen


7. Select the desired display brightness by pressing and holding the guest  button for approximately 3 seconds. Each press and hold of this button will toggle between the low, mid, and high brightness levels.
8. If the scoreboard appears to operate erratically, interference from nearby radio sources may be the cause. Press and hold the home  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.
9. Test the operation of your scoreboard to verify performance over the distance between the keypad and scoreboard prior to the start of your game. Move the scoreboard closer to the keypad if it does not respond as expected.
10. You are now ready to use your scoreboard. Proceed to **Section 2** for instructions on using your scoreboard in your game.

SECTION 2: USING YOUR SCOREBOARD





LAYOUT OF THE SNT-300F SCOREBOARD KEYPAD

















1. Set the period length with the  and  buttons. The period length can be set from 15 seconds up to 99 minutes. All periods (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 period is disabled once the period has started.**
2. The possession arrows can be enabled or disabled at any time before or during a game. If the possession indicators are disabled, pressing the  or  button will enable the possession indicator for the respective side. Pressing the same button again will disable the possession indicator. Pressing the opposite team's possession button when the arrows are on will simply switch the indicator to that team's indicator.
3. 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 period expires or when clock started/stopped	Display blinking once when selected
2	Horn sounds when period ends (default)	Horn beeps once
3	Horn sounds when clock starts/stops, and when period 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. To start and stop the game clock, press the  or  buttons, respectively.

5. Use the home and guest , , , and  buttons to control the team scores. Use the  or  buttons to control the ball possession.
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 period 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 periods.
11. If your game goes into overtime, set the period 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 periods 1 through 9. It can be adjusted from 15 seconds to 99 minutes, and is independent of regulation period 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 period times.

To initiate a halftime period, follow these steps:









1. You must be in a play mode that uses the period digit and game clock to enable the halftime period.
2. Wait until the current period of play comes to an end and the end-of-period horn has sounded (if enabled).
3. Press and hold the  button for 3 seconds. The period 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 period.

To initiate an overtime period, follow these steps:

1. You must be in a play mode that uses the period digit and game clock to enable the overtime period.
2. Wait until the current period of play comes to an end and the end-of-period horn has sounded (if enabled).
3. Press the  button repeatedly until the period 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 period 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 begin your timeout clock. Press  to stop the 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 period and game clock to their last values.

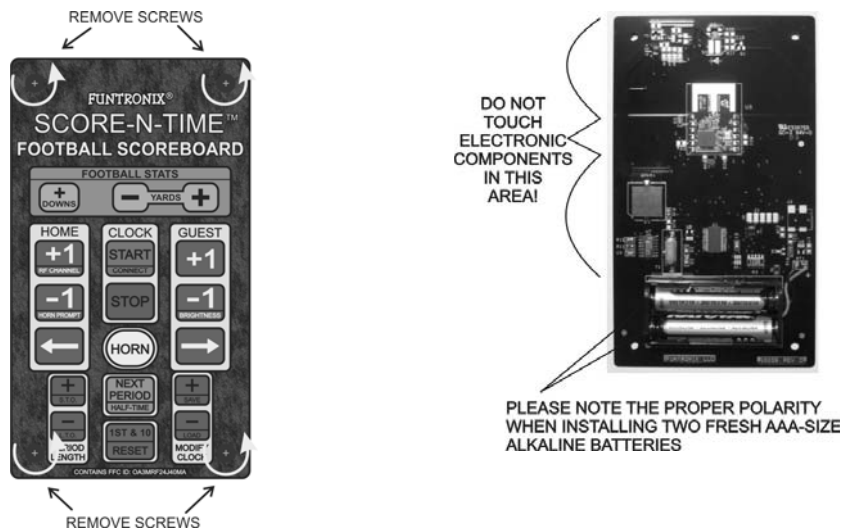
Note: Your timeout time settings will be saved in memory for the next time you use them.

SECTION 5: INSTALLING BATTERIES IN THE KEYPAD REMOTE

If the low-battery warning chirp is sounding in the keypad, it is time to replace the batteries. This warning chirp will occur following each press of a keypad button.

1. If you are in the middle of a game and the game clock is being used, make certain the game clock is stopped before proceeding, and that the scoreboard is not in the power-down mode.
2. Remove the four screws using a Philips-head screwdriver. Rotate each screw counter-clockwise to remove.
3. Remove the keypad cover by turning the unit upside-down and gently tapping on the keypad housing.
4. Locate the battery holder near the bottom-area of the circuit board.
5. Insert two new AAA-size alkaline batteries. Make certain the '+' contact is properly oriented.
6. Assemble the keypad housing. Turn the screws clockwise until resistance is felt when tightening.

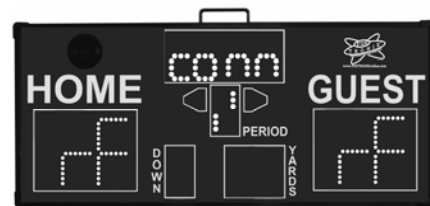
DO NOT OVERTIGHTEN SCREWS AS THIS WILL DAMAGE THE KEYPAD HOUSING.




NOTE: Always replace both batteries at the same time for best performance.

SECTION 6: PAIRING THE SCOREBOARD AND KEYPAD

1. 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

2. 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.
3. After a couple seconds the scoreboard will show a normal display and is then ready for action.

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. Replace the batteries in the keypad remote. 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.

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 Periods: 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 (outdoors open-field with fresh batteries installed in the keypad)

ELECTRICAL SPECIFICATIONS:

Operating Voltage: +12 volts DC

BATTERY REQUIREMENTS / LIFE EXPECTANCY

Scoreboard: 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
Remote Keypad: 2 x AAA batteries/up to 1 year

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

Warranty

1 YEAR LIMITED WARRANTY

Funtronix LLC warrants your product against defects in materials and workmanship for one (1) year from date of shipment to the original purchaser. Should any part of the scoreboard, keypad, or AC adapter be proven defective in material or workmanship within this period, such defect(s) will be repaired or replaced (with new or rebuilt parts) at Funtronix's discretion, without charge for parts or labor directly related to the defect(s).

This Warranty extends only to consumers who purchase the scoreboard in the United States or Canada and is non-transferable or assignable.

This Warranty does not apply to:

- Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair, or improper storage.
- Product in which the serial number has been removed, altered, or defaced.
- Damage from exposure to moisture, humidity, excessive temperatures, or extreme environmental conditions.
- Damage resulting from connection to, or use of any accessory or other product not approved or authorized by Funtronix LLC.
- Defects in appearance (cosmetic, decorative), or structural items such as product housing/enclosure components.
- Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, theft, or improper usage of any electrical source.

To obtain repairs or replacement within the terms of this Warranty, contact Funtronix to obtain a Return Material Authorization (RMA) number prior to shipping the product. The product should be shipped with proof of Warranty coverage (*e.g.*, dated sales receipt), the consumer's return address, daytime phone number and/or fax number, and complete description of the problem, to Funtronix LLC at the address shown below:

Funtronix LLC
29834 N. Cave Creek Rd
Suite 118-273
Cave Creek, AZ 85331

THE EXTENT OF FUNTRONIX LLC's LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL FUNTRONIX LLC's LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER FOR THE PRODUCT.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 130 DAYS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL FUNTRONIX LLC BE LIABLE FOR ANY SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. FUNTRONIX LLC SHALL NOT BE LIABLE FOR ANY DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED.

No person or representative is authorized to assume for Funtronix LLC any liability other than expressed herein in connection with the sale of this product.

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights and you may have other rights, which vary from state to state or province to province.

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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