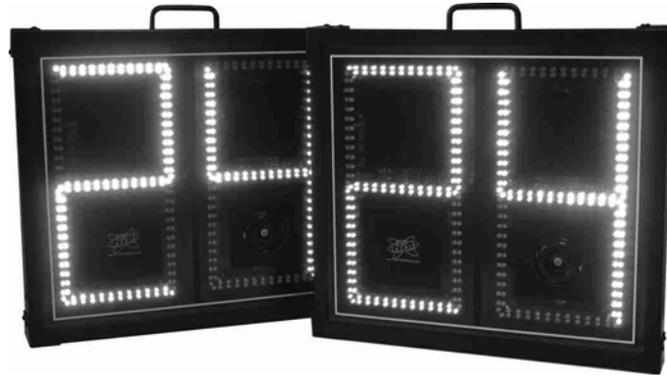




SC-200 6-INCH SHOT CLOCKS



SC-1200 12-INCH SHOT CLOCKS

FUNTRONIX

Dual Wireless Shot Clock Systems

OPERATING MANUAL

Model SC-200 with 6-inch displays
Model SC-1200 with 12-inch displays

Revision January 25, 2017

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Thank you for purchasing the Funtronix wireless shot clock system. At Funtronix, our motto is "Electronic Fun for Everyone". Our goal is to add a little fun to your sports and leisure activities.

 **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. Assembly of these components must to be performed with adult supervision.



While the AC adapter is UL approved, the input-side plugs into a standard high-voltage AC outlet. Care should be taken to not make physical contact with the power supply plug area.

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.

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

1. *DO NOT expose the shot clocks or keypad to rain or other condensing moisture.*
2. *DO NOT store the shot clocks or keypad in direct sunlight for extended periods of time.*
3. *DO NOT drop or hit the shot clocks, as this may result in injury and/or void the warranty.*
4. *DO read the entire owner's manual so that you will utilize the full potential and versatility of your wireless shot clock system.*

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PACKAGING CONTENTS

ITEM	QUANTITY	DESCRIPTION
1	2	Shot clock Unit
2	1	Wireless keypad Remote Control
3	1	Keypad Lanyard
4	1	Keypad charging adapter
5	1	Owner's Manual

Optional Accessories:

- (2) Rechargeable Scoreboard Batteries, Model BT-12V-7A
- (2) Battery Chargers for BT-12V-7A, Model CHG-800
- (2) AC adapters, Model PS-12V-3000

SECTION 1: Initial SETUP

- Charge the keypad as instructed in **SECTION 3**.

For SC-200 ONLY:

- Insert 8 c-size alkaline batteries into each shot clock, or use the optional AC adapter (not included) to power the shot clock displays.
- Extend the swivel foot support found on the bottom of the shot clocks. Set the shot clock(s) on a stable surface.

For SC-1200 ONLY:

- Charge the rechargeable scoreboard batteries (if included) as instructed in **SECTION 4**.
- Attach the rechargeable batteries to the back of the shot clock displays as shown below:



Attach the rechargeable battery as shown

or

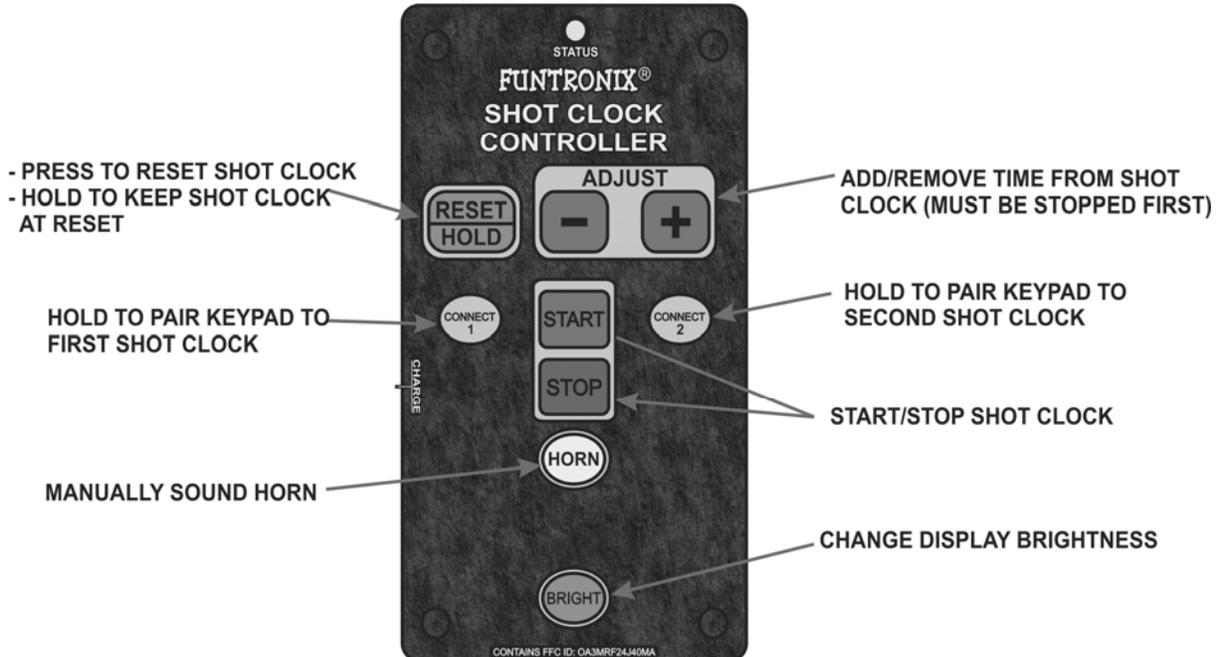
- Plug the shot clock displays into wall outlets using the AC adapters (if included), Model PS-12V-3000. Plug each AC adapter into the connector located below the power switch found on the back of the each shot clock display.

For both SC-200 and SC-1200 models:

- Turn the shot clocks on using the power switch located on the back of each shot clock display.
- Proceed to **SECTION 2** for details regarding the use of your shot clock system.

SECTION 2: USING YOUR SHOT CLOCKS

Refer to the keypad image below for instructions on how to use your shot clock.



You can adjust the shot clocks from 1 to 99 seconds, and this time will be stored in the shot clocks even when power is turned off. To set the shot clocks, follow these steps:

1. With both shot clocks on, press and release the **“RESET/HOLD”** button.
2. Adjust the “reset” shot clock time using the **ADJUST** buttons.
3. Press the **“START”** button to start the clocks and the **“STOP”** button to stop the clocks.
4. Pressing the **+/- ADJUST** buttons after the shot clocks have already been started (but not immediately after pressing the **“RESET/HOLD”** button) will allow you to adjust the current time on the shot clock without affecting the reset time of the shot clocks.

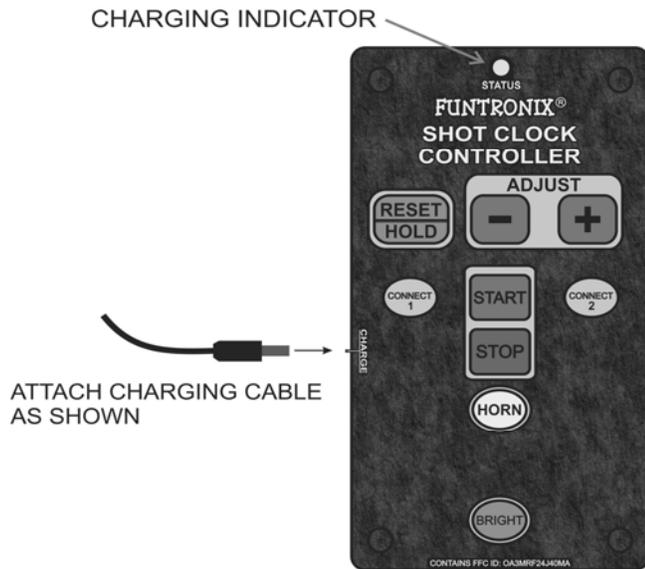
Note: To guarantee that both shot clocks remain in-sync with each other, always turn them both on prior to pressing any buttons on the keypad. If the shot clocks do not show the same time, follow these steps to sync them back up:

1. Make sure the shot clocks are turned on and stopped.
2. Press and release the **“RESET/HOLD”** button.
3. Note the time on one of the shot clocks (let’s call it the first shot clock), then turn this shot clock off.
4. Adjust the time on the other (second) shot clock to match the first shot clock.
5. Turn the first shot clock back on.

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: CHARGING THE RECHARGEABLE SCOREBOARD BATTERY

WARNING: Pursuant to California Proposition 65, the battery contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

1. Only charge the battery in a well-ventilated area.
2. Only use the charger with the battery that was included with your scoreboard.
3. Do NOT charge the battery if it has any physical damage to its casing, such as cracks or punctures, or other visible damage.
4. Do NOT use the charger if it has received a sharp blow, been dropped, or is otherwise damaged in any way.
5. Do NOT use an extension cord with the charger.
6. Operate the charger as far away from the battery as the charger's cable length permits.
7. Do NOT charge the battery near any flammable materials, such as carpets, upholstery, paper, cardboard, etc.
8. Do NOT smoke or allow sparks or flames in the vicinity of the battery.
9. Never charge a frozen battery.
10. Never set a battery on top of the charger.
11. Never place the charger above a battery being charged – gases from the battery may corrode and damage the charger.
12. Never short the battery contacts together.
13. Do NOT operate the charger with damaged cord or plug.
14. Keep out of reach of children.

Follow the steps below to charge your battery.

1. Do NOT plug the charger into the AC outlet just yet – leave it unplugged until step 4.
2. Disconnect the battery's power cable from the scoreboard.
3. Plug the battery's power cable into the charger's mating power connector.
4. Plug the charger's power cable into a standard 120VAC wall outlet.
5. When charging is complete, first unplug the charger from the wall outlet before unplugging the charger from the battery.

The charger's status lights will light up depending on various conditions. See details below:

Red light is flashing	Battery cable polarity is reversed. Correct the connection before continuing
Yellow/Orange light is lit	The battery is charging
Yellow/Orange light is flashing	The charging process has been aborted
Green light is lit/pulsing	The battery is fully charged and the charger is in 'maintain' mode to keep the battery fully charged until it is used.

SECTION 5: PAIRING THE WIRELESS KEYPAD AND SHOT CLOCKS

If either shot clock is showing a rotating pattern on its screen, this is an indication that it is not paired to the keypad. Follow the steps below to reconnect the keypad and shot clocks together.

1. If the keypad had previously been paired to the shot clocks, you must first perform a step to delete any old connections within the keypad. To do this, press and hold both the “**START**” and “**STOP**” buttons simultaneously for several seconds – until the keypad emits 5 beeps in a row. It is important to press both of these buttons at the exact same time and hold them down for this step to work.
2. Make sure both shot clocks are displaying a rotating pattern on their screens. If they are not, cycle power on and off on the shot clock repeatedly (waiting 2 seconds in each ‘on’ and ‘off’ state) until the rotating pattern is displayed.
3. Make sure only one shot clock is turned on and showing the rotating pattern. The other shot clock needs to be off to connect the first shot clock.
4. Press and hold the “**CONNECT 1**” button on the keypad until the keypad beeps once. The first shot clock will show it is connected after a few seconds.
5. Leave the first shot clock turned on.
6. Turn on the second shot clock.
7. Press and hold the “**CONNECT 2**” button on the keypad until the keypad beeps once. The second shot clock will show it is connected after a few seconds.
8. You are now ready to use your shot clocks.

SECTION 6: PRODUCT SPECIFICATIONS

(Specifications subject to change without notice)

FUNCTIONAL SPECIFICATIONS

Keypad Operating Range: Up to 400 feet from Shot clock displays.

ELECTRICAL SPECIFICATIONS

Operating Voltage: +12 volts DC.
Operating Current: 200/250 mA (low brightness)
(SC-200/SC-1200): 400/600 mA (high brightness)

MECHANICAL SPECIFICATIONS

Dimensions: SC-200: 15” X 12” X 2 1/4”
SC-1200: 18” X 16” X 2 1/4”
Weight per shot clock: 3 pounds (SC-200)
(approximate) 6 pounds (SC-1200)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: +10 degrees C to +50 degrees C.
Storage Temperature: 0 degrees C to 80 degrees C.
Humidity: 0 to 95% non-condensing.

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