



# **INDEPENDENT SHOTCLOCK**

ShotClock Display

## **USER'S GUIDE**

Congratulations on your purchase of the Tronix Shotclock Display!

The Tronix ShotClock is suitable for majority of sporting events in the country such as Basketball, volleyball and others, with distinct features such as:

- ✓ Easy to install and maintain
- ✓ Low cost and highly reliable
- ✓ Enclosed in a fiberglass reinforced wood
- ✓ User-Friendly Interface and Program
- ✓ Ultra bright seven segment LED

*Your champion scoreboard for the team, and for the dream. **GAME ON!***

The Tronix ShotClock Display and Main Controller are covered by a one-year warranty starting from the date of purchase. From that date, the product should be free of any defect in material and workmanship and it will function in accordance to its stated performance.

Within this period, Innovatronix Inc. will repair or replace defective parts. This warranty only covers failures due to manufacturing defects and workmanship. Hence, breakdown of Tronix ShotClock due to gross abuse and normal wear and tear is not covered in this warranty.

There are no warranties by use except as stated therein. For unsafe and/or faulty repairs, Innovatronix Inc. and/or sellers shall not be liable by such cases. Any alternation made to this product by unauthorized service technicians are the sole responsibility of the owner. Maximum liability for any breach of this agreement or other claim to the use of this product shall not exceed the purchase price of the product by the customer.

Warranty registration is not required. Warranty is applicable if and only if the product is used under normal conditions and for its intended purpose. Parts and models are subject to change without prior notice.

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SHOTCLOCK**

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## **Important Safety Instructions** ▶▶▶▶



- **Caution:** Do not operate with wet hands.

- **Caution:** Immediately replace stripped-off AC Cord.
- **Caution:** Handle the equipment with care when transferring the unit from one location to another.
- **Caution:** Ready all necessary equipment before operation.
- **Caution:** Route all Tronix Scoreboard Data (TSD) cables safely where they will not be stepped on or accidentally pulled out.
- **Caution:** Route all TSD cables separately from the powerline.
- **Caution:** Do not loop the TSD cables tightly as wires has a tendency to cramp and pinch.
- **Caution:** Do not place heavy objects over the cables.
- **Caution:** Use dry cloth and wax to clean the exterior of the unit. Do not clean the interior of the ShotClock. Notify a qualified technician for repairs.

## Getting Started ▶▶▶▶

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*The TRONIX Independent ShotClock is composed of 2 sections; thus, this manual focuses only on the ShotClock display. Please refer to the Tronix ShotClock controller manual for operations on the ShotClock controller.*

- The ShotClock Display is preferably placed on the basketball backboard framework. The digit is 6" in height and made up of high luminance red LED.

### What's in the box?\*

- 2 x ShotClock Display
- 2 x 35m TSD cable
- 1x Tronix Shot Clock Display User's Guide & Warranty Card

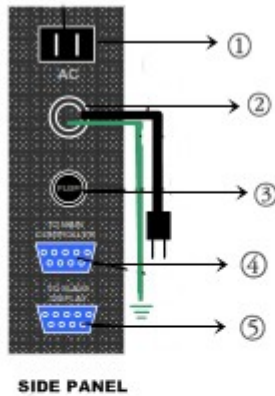
\*Contact Tronix customer care service (or seller) if package is deemed incomplete.

## Installation ▶▶▶▶



Figure 1.0 SHOTCLOCK DISPLAY





- 1 AC OUTPUT FOR EXTERNAL BUZZER
- 2 AC INPUT FOR EXTERNAL BUZZER
- 3 5TT 250mA FUSE
- 4 FROM MAIN CONTROLLER
- 5 DC SUPPLY INDICATOR

**SHOTCLOCK DISPLAY SIDE PANEL**

**AC Output for external buzzer–**

Outputs AC. Its output voltage depends on the AC input line voltage. It has an output everytime the buzzer sounds.

**Power Indicator –**

Indicates the presence of power of the main display.

**Installation** ▶▶▶▶



**Follow the procedures carefully to set-up the Independent ShotClock.**

1. Ensure that the ShotClock Main Controller is switched off before plugging-in the system.
2. Connect all DB-9 connector to the main controller and ShotClock display.
3. If there is an Air Horn in the system, plug it in the AC outlet located at the right side of the ShotClock Display.
4. Insert the main controller plug (220VAC/1.5A max) to an AC outlet.
5. Turn the Main Controller ON.
6. The display should have the initial value of 30 seconds. You may start operating the unit after generating the proper display.

**Note:** Test the unit before installation to ensure that the system is working properly.

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## **Operation** ▶▶▶▶

**INDEPENDENT  
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1. Ensure that the main switch is turned off before plugging in the system. Both the ShotClock



display and the ShotClock Controller need 220VAC to start-up. Make sure that the power cord is plugged into a 220VAC outlet before power on.

2. Turn the Controller ON. Insert the timer key in the set/reset switch and turn to reset position. The set/reset switch is the program lock of the system which can be used by the game officials to alter or control the ShotClock value for a different type of game.
3. Press the reset/preset button to select the desired values:  
30, 25, 23, 24 or 14 seconds while the keyswitch is on.
4. Switch the set/reset key switch to set position to lock out any unwanted manipulation of display values.
5. Pressing RESET/PRESET button while the key switch is at Set position will reset the ShotClock time to its original value. When the ShotClock timer reaches zero, ShotClock time will stop and the buzzer will sound for 5 seconds.

## **Technical Specifications** ▶▶▶▶



### **Dimensions**

(L)-16" x (W)-3" x (H)-13"

ShotClock Display

**Digit size:** 6"

**Weight:** 11 lbs. (4.9kg)

**Input Voltage:** Autovolt (100V – 250V )  
250mA

**Troubleshooting** ▶▶▶▶



Symptom	Cause	Solution
No display and no power light both at controller and displayboard after switching ON.	Power cord is not connected.	Check power cord if it is properly connected.
	Power supply does not work.	Replace power supply with a new one.
	Fuse is blown.	Replace fuse with a new one.

**Note:** Turn off the unit and notify a qualified technician or contact our customer service hotline when any of the the following occurs:

- Liquid gets through the internal parts of the unit.
- The system has been dropped and some parts appear to be damaged (power cord, push buttons, power switch etc).
- Electrical fuse 'blow' repeatedly. Some of the LEDs fail to light up. Buzzer fails to sound.
- The Shotclock is not functioning properly according to its normal operations.



INNOVATRONIX INC.

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## WARRANTY CARD

(Customer's Copy)



This is to acknowledge WARRANTY for TRONIX INDEPENDENT SHOTCLOCK DISPLAY and its ACCESSORIES for a period of ONE (1) YEAR from the date of purchase. However, this warranty does not apply in case of defects resulting from negligence, abuse, tampering, unlicensed product use or unauthorized repair affecting the performance of the unit and all of its accessories.

Consult our marketing sales officer for full warranty information and conditions.

\_\_\_\_\_  
Authorized Dealer

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date of Purchase

\_\_\_\_\_  
Serial Number

### IMPORTANT REMINDER

**NO WARRANTY CLAIMS WILL BE ACCEPTED IF ANY OF THE THREE IS LACKING**

1. Defective item
2. Warranty card properly filled out by dealer
3. Original Proof of Purchase
4. All parts and peripherals as purchased.

innovatronix



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