

# **EVERSAN**

[www.eversan.com](http://www.eversan.com)

## **MODEL 9600**



## **MULTI-PURPOSE SCOREBOARD**

# Instruction Manual

**Address:** 34 Main Street, Whitesboro, NY 13492

**Phone:** 315-736-3967 • **Toll Free:** 800-383-6060 • **Fax:** 315-736-4058

**SCOREBOARDS • TIMERS • MESSAGE SIGNS • VIDEO DISPLAYS • WIRELESS**

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**MODEL 9600  
MULTI-PURPOSE SCOREBOARD**

These instructions must be followed to ensure correct operation. The warranty will be violated and considered null if inspection and operating procedures are disregarded.

Should you require assistance or have any questions, please call 800-383-6060.

**Check List**

- Model 9600 Scoreboard
- Control Console with LCD readout
- Two Conductor Control Cable (Cabled Systems Only)
- Antenna (2) (Wireless Systems Only)

**NOTE:** Please check that these items are available prior to initial test of the scoreboard. If you are missing any items, please call **(800) 383-6060 for assistance.**

**Customer Shipping Inspection**

- A. Unpack scoreboard.
- B. Unpack cable and control console.  
Plug the console cable and console into the console connector on back (see diagram)
- C. Testing: There is a standard 110VAC plug for testing. This board operates on 110VAC at approximately 3/4 AMP.

**NOTE: FAILURE TO TEST SCOREBOARD PRIOR TO INSTALLATION  
WILL VOID ALL WARRANTIES.**

Power scoreboard using 110VAC or optional 12-volt battery pack and test scoreboard using the operating instructions provided.

**SHOULD THERE BE A MALFUNCTION OR SHIPPING DAMAGE,  
NOTIFY THE SHIPPER AND EVERSAN IMMEDIATELY.**

## Electrical Specifications:

Electric outlets for scoreboards are always on a “clean” unused, switched breaker box. Pay close attention to the power source and connections. It is recommended that a key-switch or switched breaker box be used to turn off the system at the end of use each day. **The scoreboard should always be powered down when not in use.**

## Power up Sequence:

### **110VAC Operation (Cabled System)**

1. Plug the control console into the scoreboard using the cable provided. Any of the 2-pin connectors on the control console can be used. The connector for the scoreboard is located on the back (see diagram).
2. Power up the scoreboard using 110VAC, connection on back of scoreboard (see diagram).
3. The scoreboard will now go through diagnostics. Each digit will show an 8 and then go blank. The home and guest score, seconds, ball on, yards to go, down and quarter will then display zero's. The minutes will remain blank.
4. Turn the control console on using the rocker switch located on the upper left side. The control console will display “EVERSAN INC. DISPLAY SYSTEMS” for approx. 5 seconds. The display will then show, ”H=00 TIME=00:00 G=00, BO=00 Q=1 D=1 YTG=00”. You are now ready to use the operating instructions to test all the functions.

**Note:** If the control console will not power up or shows “BATTERY LOW” replace the battery with a 9V alkaline battery or use the 9-volt adapter provided.

### Scoreboard Battery Operation 12 VDC (Optional):

1. Attach the battery connector to the 4 pin connector on the back of the scoreboard (see diagram).
2. Connect the cigarette lighter plug into the Eversan battery pack or car cigarette lighter. Continue, starting with step 3 above.

## WIRELESS OPERATION

Eversan, Inc.'s 2.4GHZ frequency hopping wireless control system allows for multiple scoreboards to be controlled separately or together within feet of each other.

### Initializing the wireless system:

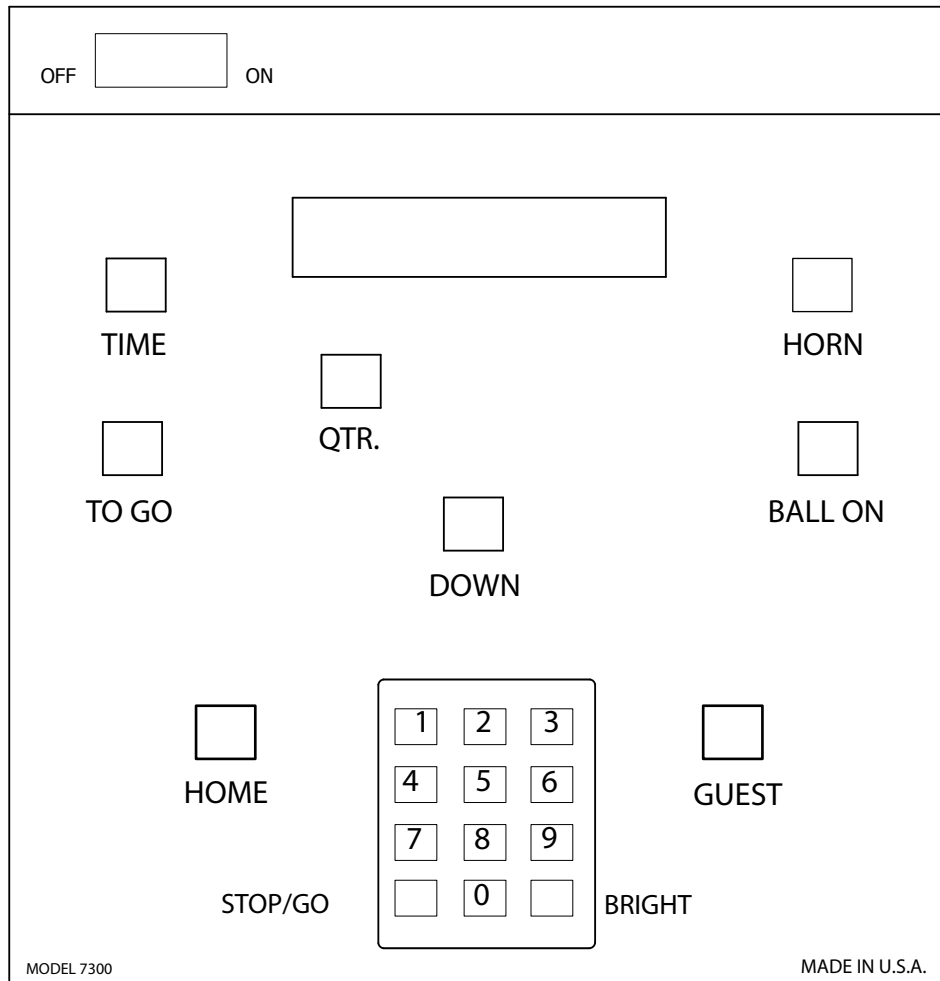
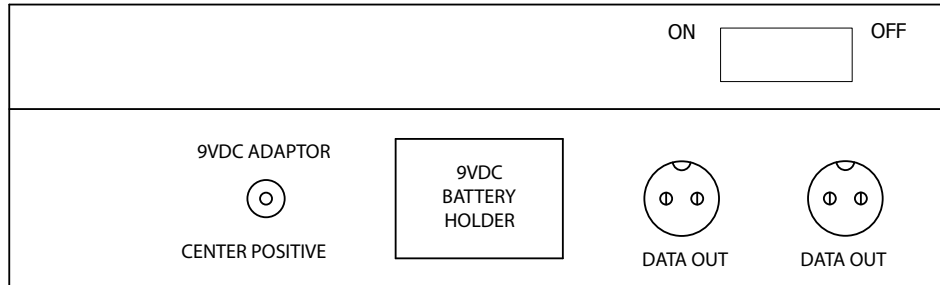
The following steps must be used to ensure proper communication from the wireless control console and each scoreboard you want to control.

1. Turn the power to on each 9600 scoreboard that you want to control. The scoreboards should go through their diagnostic checkout. Each position will flash a (8) eight and then go blank.
2. Connect the antenna, 9VDC adapter provided or optional 12-volt battery, to the wireless control console (see diagram for proper placement).
3. Turn on the control console. The control console will display "WIRELESS NETWORK PROTOCOL BEING SET" for approx. 3 seconds. The display will then show, "EVERSAN, INC. SCOREBOARDS " for approx. 5 seconds. The console then will read "H=00 TIME=00:00 G=00, BO=00 Q=1 D=1 YTG=00". The scoreboard will then show what is displayed on the console. See operating instructions.

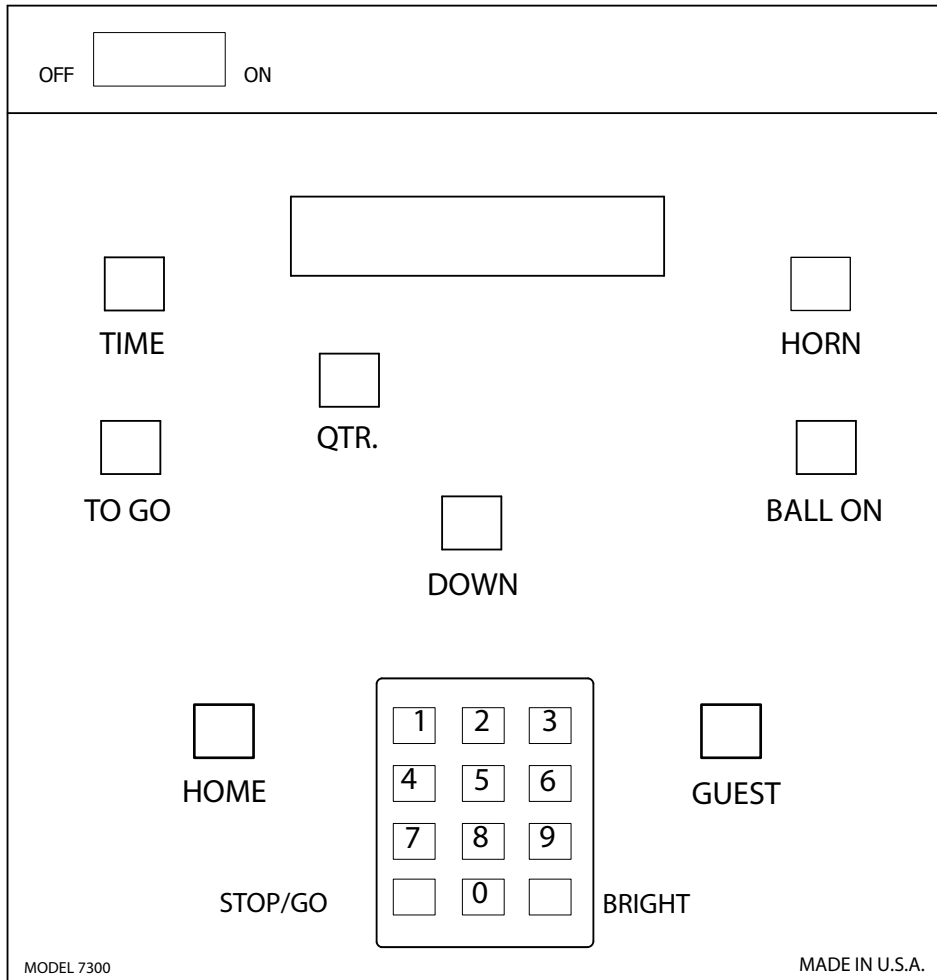
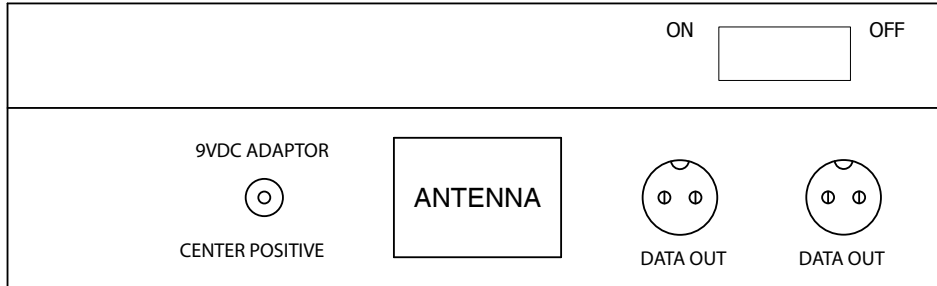
### Operating instructions:

1. **TO SET TIME:** Press the **TIME** button once and enter a (4) Digit number, example 12:00 minutes would be set by pushing **TIME** followed by 1200.
2. **TO SET THE SCORE:** Press the **HOME** or **GUEST** button once to increment by one. Press and hold down to decrement. Press and release the button and enter any 2-digit number from 0-9 on the numbered keypad.
3. **TO SET BALL ON, DOWN or TO GO:** Press corresponding button once to increment by one. Press and hold down to decrement. Press and release the button and enter any number from 0-9 on the numbered keypad.
4. **TO SET QTR:** Time must be stopped. Press the **RED QTR** button once to increment by one. Press and release the button and enter any number from 0-9 on the numbered keypad.
5. **TO START THE TIME:** Push **GREEN START/ STOP** once. To stop clock push **START/ STOP** again.
6. **TO CHANGE DIGIT BRIGHTNESS:** Press and release the **BRIGHTNESS** (red) button on the control console and then press 0-9 on the keypad. 9 will make the scoreboard the brightest and 1 will make the scoreboard the dimmest. Zero will blank the scoreboard, but doesn't turn the scoreboard off.

## CABLED VERSION LCD CONTROL CONSOLE



## WIRELESS VERSION LCD CONTROL CONSOLE



## Wireless control console battery operation (optional):

1. Turn the scoreboard power on.
2. Attach Eversan, Inc.'s special battery connector to the 4-pin connector on the back of the wireless control console (see diagram).
3. Connect the cigarette lighter plug into the Eversan battery pack or a car cigarette lighter.

## Care of Battery Pack

Under no circumstances should the battery pack be punctured or disassembled in any way. NEVER insert anything into the battery receptacle except a standard cigarette lighter type plug. The battery pack should always be stored in a fully charged condition and in a cool, dry place. When stored for a long period of time, the battery should be charged before use.

## Charging

The Battery should be charged after each use. Insert the cigarette lighter type plug of the charger into the receptacle on the side of the battery pack. Plug the charger into any standard 120volt household plug. Depending on the amount of drain on the battery, the following is a guide for recharging time. A 25% discharge requires 4 hours recharging. A 50% discharge requires 8 hours. A 100% discharge requires 14 hours recharging time.

**NOTE:** The Battery should NOT be left in the Recharging mode for more than 24 hours as this can damage the cell.

**CAUTION:** DO NOT attempt to charge this battery pack on currents other than 60-cycles 110volt/120volt AC current. Do not attempt to use the battery during charging.

## MAINTENANCE OF OUTDOOR SCOREBOARDS

The EVERSAN Outdoor Scoreboards rugged design will provide many years of trouble free performance.

### Should you have a problem:

The EVERSAN Outdoor Scoreboard modular design allows easy removal and replacement of all key elements. **Under no circumstances will EVERSAN, INC. pay for service performed on any of our products without expressed written notice from EVERSAN, INC. to the Service Company.**

### Note to the customer:

Please call our qualified service technicians if you experience any difficulties. We can assist you in solving your problem or help in returning the section in need of repair.



## REMOVAL AND REPLACEMENT PROCEDURES

Should repair become necessary the customer will note that each digit (8) is housed as an individual item within the scoreboard.

- Determine which digit is malfunctioning by observing the check out of 8's during power up or during operation.
- **Never spray any type of lubricant onto the digits doing so will void all warranties.**

### To remove or replace digits:

1. REMOVE ALL POWER FROM THE SCOREBOARD.
2. Remove the fastened window by carefully pulling on window at plastic rivets. It is important to apply even pressure around the window to avoid breaking. This will expose the digit.
3. Unscrew the (4) four screws and slowly pull digit away from scoreboard. See diagram

### **Lazy Segments:**

1. If a lazy segment is detected and you are using the optional 12-volt battery be sure the battery is fully charged.
2. If the battery is fully charged and the lazy segment appears to be in only or two digits remove the digit window as described in the digit removal procedure.
3. Carefully move the suspect segment back and forth with your finger to free any debris.
4. Using **compressed air only**, blow excess debris out of segment works.
5. If problem persists, contact Eversan, Inc.

**CAUTION: DO NOT SPRAY DIGITS WITH ANY LUBRICANTS. DOING SO WILL VOID THE WARRANTY.**

4. Detach segment data ribbon cable connector by spreading the latch on the side of the locking connector. See Diagram.
5. Detach the single module address wire. See diagram
6. Take the new digit and replace ribbon cable connector in the scoreboard to the connector on back of digit. DO NOT FORCE.

**NOTE:** The ribbon cable connector is polarized and must be installed in only one direction.

7. Push modules select wire onto the terminal. See diagram
8. Replacing digit is the opposite of removing. Connector side is placed in first. (Screw locking retainer making sure the cam engages the faceplate.) Replace window.

### **Removing the Power Supply Box (in the front of the scoreboard):**

1. Remove the plastic cover from the seconds digits. Reach in the opening with your left hand and support the power supply. Remove the four screws securing the power supply to the front of the scoreboard.
2. Remove antenna connector from the front of the scoreboard (Wireless only). Slowly rotate the power supply towards the opening.
3. Remove segment data ribbon cable connector.
4. Disconnect large 22/44-edge connector, it has an aluminum shroud, from the power supply by rocking it gently up and down.
5. Unscrew the 5-wires from 8-pin terminal strip. **Mark wire with location for future use.**

### **Replacing the Power Supply Box:**

1. Screw on the five power wires per marked code.
2. Reconnect 22/44-edge connector to side of power box.  
**NOTE:** This is a polarized connector and is inserted in only one direction.
3. Replace segment data ribbon cable.  
**NOTE:** this polarized connector is inserted in only one direction.
4. Before closing, install antenna (wireless only) and check out scoreboard.

## TROUBLESHOOTING PROCEDURES

### Unit Doesn't Power Up:

1. Make sure you have 110VAC going to the outlet.
2. Check the fuse on the power supply by removing the (4) four screws securing the power supply cover, tilting the top of cover forward.
3. Fuse holder cap will be on the upper right hand side of the power supply.
4. Using a flat head screwdriver, rotate the cap counterclockwise quarter turn to remove the fuse.
5. Test the fuse with an ohmmeter to check if it is blown.
6. If the fuse is blown, replace it with a 250-volt, 1-amp fuse and reinstall fuse cap and power supply cover.



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