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Manual Overview

This manual is intended for the use of the All American Scoreboard owners and users. Read this manual carefully before starting the equipment.

This manual contains important information for operation and maintenance of the equipment. It also contains important instructions to prevent accidents, personal injury and/or serious damage prior to or during operation of the equipment.

Familiarize yourself thoroughly with the function and operation of this equipment and strictly observe the directions given. If you have any questions or need further details on specific aspects related to the AAS system, please do not hesitate to contact us.

In this manual you will find three levels of flagged notes or warnings.



WARNING! THE WARNING MESSAGE IS USED WHEN A LIFE THREATENING SITUATION MAY ARISE OR PERSONAL INJURY CAN RESULT.



CAUTION! The caution message is used when there is a danger of damage to the equipment, materials, or other important information; such as Warranty issues.

NOTE: The Note message is used to give operational information and useful tips.

1.0 Keypad Console

The Keypad Console has a touch sensitive keypad that allows the operator to enter all pertinent information. It then sends the information to the Controller Assembly within the sign by way of radio signal or hard-wire. A LCD screen displays Time, Home and Guest scores, Period and depending on the model Time outs left and Auto Horn Enable. The Keypad you have will depend on the model of Scoreboard and interface system you have.



CAUTION: To protect the console from damage, it is advisable to disconnect the control and store in a dry secure area when not in use.



Figure 2

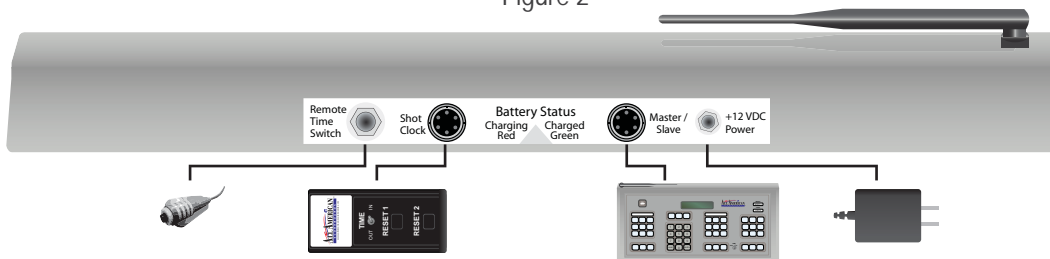


Figure 2B - Electronic Eye is connected where the Remote Time Switch is located.

NOTE: To operate dual signs with a radio unit, a second console must be turned on and connected to the MASTER/SLAVE output via a dual radio console cable (item # 151733). The second console will only be used to transmit information.

2.0 Keypad Console Functions

Turn On the Keypad console press  once to turn on and again to turn off.

When the Keypad is turned on, the LCD screen should become active.

2.1 Initializing the System at every Start-up.

Locate the Code label on the Keypad console (located upper right corner in Figure 2); the code 85 is used for illustration. Press  the code   then . The LCD should change to:





TOP 5 ? ? ? ? ?
LAP 00

After the code is entered, the scoreboard will display a zero in the hundredths place.

2.2 Setting Brightness

Press  key to edit the brightness of the LEDs.


The LCD will display SET: Brightness Min = 1, Max = 4, with 4 being the brightest. Press  (1-4) then .

2.3 Time Trial Mode





To enter the Time Trial Mode, press . The display will show:




1 LAP TRIAL

Press ,  or  to set the number of laps in the time trial.


Press , then the car number, then . For example, car #54 would be entered:

   . "54" will be displayed next to Position 1 on the scoreboard during the trial.

Turn on the Electric Eye [EE] by pressing ; an "EE" will be displayed in the lower left corner of the LCD screen. When the EE beam is broken, the time will start.

Once the EE beam is broken a second time, Time will be displayed on the scoreboard. If 2 or 3 laps are being trialed, the time will be displayed for 2 seconds before returning to the timer mode.

The following is a typical display of a 3 Lap Trial:



48.670 50.877 46.987
EE 3 LAP TRIAL

After recording the times, press  to reset the times to zero before beginning another time trial.



To display a time on the timer, press  followed by a 5 DIGIT NUMBER, then .







2.3 Racing Mode


To enter the Race Mode, press . The display will show:






Press , then the car number, then . For example, car #54 would be entered:



   . "54" will be displayed next to Position 1. Continue with positions 2-10.

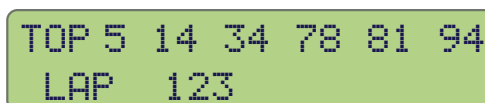
Laps can be set to count down from the total laps in a race, or to count up from zero. Press      for a 500 lap race. 500 will be displayed on the timer section of the scoreboard. Once the laps are set, press  while the car in position 1 crosses the line.

To count up, press .

If a car passes a car and moves up a position, press the position number followed by . For example, if the car in position 3 passes the car in position 2, press  . The car in position 3 will be moved up to position 2, and the car number in position 2 will drop to position 3.

If a car in the top 10 positions is out of the race, press their position number then . All of the other car numbers will move up a position.

Press  to see positions 6-10 in the LCD display, and  again to return to the standard view, as illustrated below.



3.0 Maintenance & Troubleshooting

For cleaning, use a window type product with a soft cotton cloth.



CAUTION: Do not use a power washer, solvent product or abrasive materials for cleaning board faces.

3.1 Table I: Quick Reference Problem/Cause



WARNING! USE A LOCK OUT/TAG OUT ON CIRCUIT BREAKERS OR “POWER ON/OFF” SWITCHES WHEN PERFORMING INSTALLATION, REPAIRS OR MAINTENANCE.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Scoreboard doesn't light and Console doesn't work	No power to the Scoreboard	Check that the main circuit breaker is on.
		Check to make sure the controller and scoreboard are plugged into an outlet.
Scoreboard Digits don't light (Console Works)	No power out of the controller assembly to the board	Check to make sure the scoreboard is plugged into an outlet.
		Check to make sure a circuit breaker did not get blown.
Digits light, Console works, but, no control of the Scoreboard	No data signal established	Turn off the Scoreboard and the Console and turn the Scoreboard on then the Console. Retry coding Console.
	Low battery (Wireless Consoles)	Be sure the battery is charged (if so equipped), or try the wall transformer to power the Console.
	No RF signal established (Wireless Consoles)	Take Console 10 to 25 feet from the Scoreboard and test again. Check antenna connections and tighten if necessary, both in the Scoreboard and in the Console. CAUTION: the antenna connection at the radio can be easily broken. Push or pull the connector STRAIGHT on or off!
Scoreboard works, but some lights stay on all the time	Short in Digit circuit	Call technical support
The Scoreboard works, but some lights do not come on or blink	Bad Connection	Call technical support
	Bad Driver or Digit Board	Call technical support



WARNING! OPERATION OF THE UNIT WITH THE ELECTRICAL EXPOSED IS DANGEROUS. BE SURE ALL TOOLS AND ANY OTHER MATERIALS ARE REMOVED FROM THE UNIT, AND ALL ACCESS COVERS ARE REPLACED AND CLOSED BEFORE POWER IS TURNED ON.

NOTE: For Advanced Trouble Shooting, Service Manuals and Replacement Part Information go to www.allamericanscoreboards.com.

4.0 Safety Information

The owner of the All American Scoreboard (AAS) is responsible for safe operation and repair. He therefore is obliged to familiarize operating personnel with the contents of this manual and make them aware of all possible hazards.

NOTE: When using this equipment, always follow the manufacturer's instructions for safe operation. In case of emergency, please telephone Technical Support or a qualified service technician.

Do not operate the sign until it is completely assembled and installed per the instructions supplied by AAS.

AAS recommends that your main power be installed by a licensed electrician in accordance with the local building and electrical codes.

All equipment must be grounded in accordance with the local building and electrical codes. AAS recommends Earth Link Ground.

If any part of the Scoreboard equipment is malfunctioning or has been damaged, cease operation and consult with AAS Technical Support or qualified service technician before further use.

Use only AAS specified or recommended replacements parts.



WARNING! USE A LOCK OUT/TAG OUT ON CIRCUIT BREAKERS OR "POWER ON/OFF" SWITCHES WHEN PERFORMING INSTALLATION, REPAIRS OR MAINTENANCE.

When performing repairs be mindful of the weather and work area conditions. Avoid the unit's exposure to the elements, water and debris, or anything that may be dangerous or cause damage to the equipment.



WARNING! OPERATION OF THE UNIT WITH THE ELECTRICAL CIRCUITRY EXPOSED IS DANGEROUS. BE SURE ALL TOOLS AND ANY OTHER MATERIALS ARE REMOVED FROM THE UNIT, AND ALL ACCESS COVERS ARE REPLACED AND CLOSED BEFORE POWER IS TURNED ON.



CAUTION: Use of solvent cleaners or a power washer on your Scoreboard may cause permanent damage.

5.0 Warranty

Five Year Limited Warranty

Non-compliance with procedures of Installation, Safety, Operation and/or Maintenance practices defined in this manual may result in a Warranty issue.

This warranty extends to and is enforceable by only the original consumer purchaser and only for the period (during the applicable term) which the product remains in the possession of the original consumer purchaser. "Original consumer purchaser" means the person who first purchased the product covered by this warranty other than for purpose of resale. This warranty does not apply if it is found that at *any time* the equipment has not been used for its intended purpose.

NOTE: Please ask your dealer, distributor or sales representative for details.



CAUTION! Any unauthorized changes or modifications to this unit without our prior written approval will void the user's warranty and will transfer health and safety obligations to the user



CAUTION! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

NOTE: This equipment has been tested and found to comply with the limits for a class "A" Digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with Owner's Manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area can cause harmful interference in which case the user will be required to correct the interference at their expense.





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6.0 Technical Support

6.1 Customer Service

Customer satisfaction is the top priority at AAS. Our skilled, experienced Account Management teams are dedicated to providing highly responsive service through all phases of our client's programs.

These teams are computer-linked to each of our manufacturing facilities to provide "on-line" updates on the status of customer orders. Furthermore, AAS's EDI capabilities allow electronic interchange to efficiently process customer orders.

6.2 Contact Information

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