

# ALL AMERICAN SCOREBOARDS™

## MP-7298 Basketball Shotclock with 5000 Console and Shotclock Pendant



Operator's Manual

Rev. 10/17/07  
Volume VII

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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. An LCD screen displays Time, Home and Guest scores, game information, 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 control from damage, it is advisable to disconnect the control and store in a dry secure area when not in use.



Figure 1A. 5000 Console and Shot Clock Pendant Switch

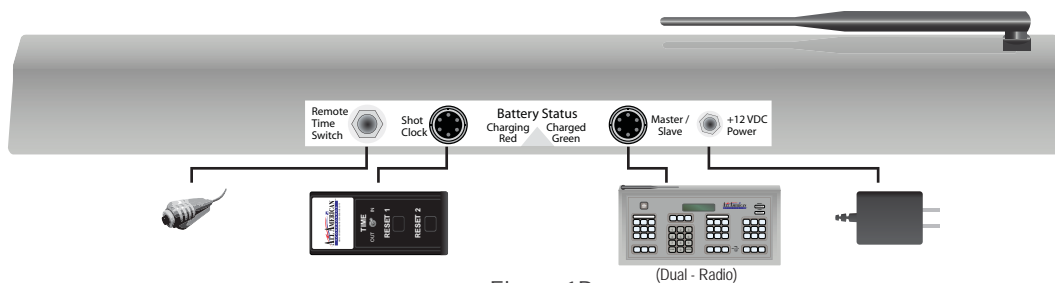


Figure 1B

**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.

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
## 2.0 Control Keypad Functions

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

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

### 2.1 Initializing the System at every Start-up.



To do this, locate the Code label on the Keypad console (located upper right corner in Figure 2); the code 51 is used for illustration. Press  the code   then . The LCD should change.

The  key will step through options listed on the display screen.

Press , or make Numeric Entries to make changes.

Pushing  without any other input skips to the next item.

Pushing  exits setup, and all changes are kept.

The LCD will display "SET: BIGHTNESS Min = 1, Max = 8". Press  (1- 8) then .

Select PERIOD LENGTH. Example,    and press  for 8 minutes.



Select TIMEOUT LENGTH. Example,    and press  for 1 minute.









Select TIME OUTS ALLOWED. Example,  and press  for 3 time outs.

Select SC TIME #1 (Shotclock Home). Example,   and press  for 24 seconds.

Select SC TIME #2 (Shotclock Guest). Example,   and press  for 24 seconds.

Select USE AUTOMATIC HORN for end of period. Example,  and press .




Select LAST MINUT TENTHS. Example,  and press .



Select TIME OF DAY. Example, press    then  for 2:15. To turn off the time of day feature, enter    .

The scoreboard will display the time of day after game time use, if desired.

Accurate time will be kept without power to the scoreboard for up to 2 months.

### 2.2 Timing

The main game timing period is set in the "SETUP" program, however this time period may be changed or edited using the  key. To change the period time, push , desired time, then .

To reset the period of time to the original setting, push . To change the time period directional mode for counting up or down, push .

When in the Up mode, an arrow up symbol is displayed next to the time on the LCD display. If in the Down mode, there is no arrow displayed.

To start the game clock, move the time switch to . To stop the game clock, switch to .

If using the pendant (🔑), switch time to **TIME OUT**. Press 🔑 once to start the game clock, and once again to stop the game clock.

To manually change the game clock to 2:04 (for example), stop the clock and press **TIME SET** then **2** **0** **4** then **ENTER**.

When LAST MINUTE TENTHS are enabled, during the last minute of play, pressing **TIME SET** then **2** **0** **4** then **ENTER** will change the clock to 20.4 seconds.

### 2.3 Shotclock Control

The shot clocks can be set in the setup screens (see section 2.1). The shotclock is controlled by a pendant switch that is plugged into the "SHOT CLOCK" output in the back of the console. The game time is controlled by the main console.

To start the shot clock, switch the **TIME OUT IN** to "IN" on the shot clock pendant (🔑). Switch to off to stop the shot clock.

Push **RESET 1** for the home team or **RESET 2** for the guest team to reset the timer to the preset values.

The display can be blanked with the **BLANK** or **SHOT CLOCK CLEAR** key on the main console. This key is used when the game clock is less than the shotclock time period.

To set a specific time on the shotclock, reset the clock and count down until required time.

### 2.4 Horn

The horn will blow automatically for 2 seconds when the timer reaches zero time. If the horn is enabled (see section 2.1), an "H" will be displayed on the console.

The horn will blow for 1/2 second each time **HORN** is pressed.

### 2.5 Shotclock Goal Light (optional add-on)

The light on the top of the display will light when the timer runs down to zero, to signify a time violation.

### 2.6 Final Minute Timing

To An 'E' is displayed on the LCD to indicate this function is enabled. Push **FINAL MIN. 1/10** again to disable this function.

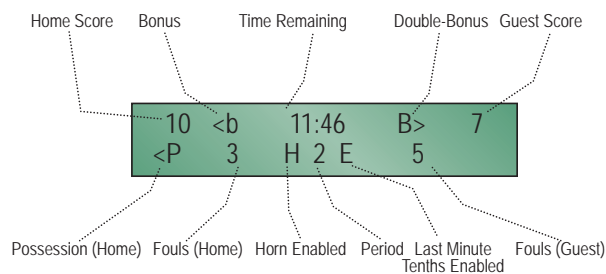


Figure 2. 5000 Console LCD Screen Definitions

### 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](http://www.allamericanscoreboards.com).

## 4.0 Safety Information

The owner of the All American Scoreboard 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.

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## 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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