

ALL AMERICAN

SCOREBOARDS™

OPERATING INSTRUCTIONS AND SERVICE MANUAL
OUTDOOR PORTABLE SCOREBOARD
MODEL MP-6400



EFFECTIVE S.N.18,750
rev.5/7/09

TABLE OF CONTENTS

1. GENERAL INFORMATION

- 1.1 DESCRIPTION
- 1.2 IDENTIFICATION
- 1.3 DAMAGE
- 1.4 DAMAGE CLAIM PROCEDURE

2. INSTALLATION

- 2.1 GENERAL INFORMATION
- 2.2 INSPECTION

3. CONTROL CONSOLE OPERATION

- 3.1 CONSOLE POWER
- 3.2 SCOREBOARD POWER
- 3.3 RADIO REMOTE SETUP (LEARN)
- 3.4 TIME SETTING AND CONTROL
- 3.5 TEAM SCORES
- 3.6 HORN
- 3.7 PERIOD

4. MAINTENANCE AND TROUBLESHOOTING

- 4.1 INTRODUCTION
- 4.2 TEST EQUIPMENT
- 4.3 TROUBLESHOOTING
- 4.4 TROUBLESHOOTING GUIDE

5. REPLACEMENT PARTS LIST

- 5.1 SCOREBOARD DISPLAY PARTS

6. DIAGRAMS

- 6.1 REMOTE CONTROL CONSOLE

1. GENERAL INFORMATION

1.1 Description

Your All American Scoreboard has been carefully inspected and tested before leaving the factory. It is possible, however, that components may be loosened or forced out of adjustment in transit. If this occurs, follow the troubleshooting guide (section 4). If equipment then fails to operate, contact immediately:

ALL AMERICAN Service Department
EVERBRITE LLC
P.O. Box 100
Pardeeville, WI 53954
Telephone: (608) 429-2121
Toll Free: 800-356-8146
E-mail score@everbrite.com

Parts being returned for repair are to be sent to:

ALL AMERICAN Service Department
EVERBRITE LLC
401 S. Main Street
Pardeeville, WI 53954

NOTE

If you need to send parts in for repair, please call the ALL AMERICAN service department for a returned goods authorization (RGA) number.

1.2 Identification

The serial number tags are located inside of the battery compartment located on the back center of the scoreboard. When contacting the factory for assistance it is important that the model number and serial number are known.

1.3 Damage

Upon receipt, check for visible damage. If this occurs, or if damage is found after shipment has been accepted, follow the damage claim procedure.

1.4 Damage Claim Procedure

An instruction sheet is enclosed advising the consignee in case of damage in transit.

If damage is noted at the time of delivery, consignee must obtain an 'Inspection of Bad Order' from the delivering carrier. In order to process your claim, this must be properly filled out with a complete statement of all damage and it must be signed by the carrier.

If damage is discovered after delivery, you should call the delivery company. Have them make out a Concealed Damage Report. Fifteen days after delivery are allowed, so this should be done promptly or it is impossible to process this claim.

Advise EVERBRITE corporation of necessary replacement parts or repairs.

Consignee will be invoiced and then should file a claim with the carrier to recover charges. To file your claim follow this procedure:

- (A) Cost of replacement parts or repair charges are invoiced to the carrier by the consignee.
- (B) The following documents, properly filled out, plus invoice are forwarded to the trucking company in support of your claim:
 - (a) Original bill of lading
 - (b) Original paid freight bill
 - (c) Certified copy of original invoice
 - (d) Standard form for presentation of loss and damage claim

2. INSTALLATION

2.1 General Information

Shipping papers accompany each scoreboard. Check carefully to see that you receive the following:

- 1 ea Scoreboard Display
- 1 ea Control Console
- 1 ea Service Manual
- 1 ea Display Stand
- 1 ea AC Power Adaptor
- 2 ea AA Alkaline Batteries
- 1 ea 9.6V Battery and Charger
- 1 ea Fence Hanger

2.2 Inspection

Tighten all screws and fittings that may have loosened in shipment.

NOTE

This equipment complies with the requirements in part 15 of the FCC rules for a class A computing device. Operation of this equipment in a residential area may cause unacceptable interference to radio and television reception, requiring the operator to take whatever steps are necessary to correct the interference.

3. CONTROL CONSOLE OPERATION

3.1 Scoreboard Power

Plug the 9.6V rechargeable battery into the battery compartment located on the lower back center of the scoreboard. The battery must be inserted so that the velcro on the bottom of the battery connects to the velcro on the battery compartment. The battery power terminals will push into the metal prongs on the left-hand side. The negative power (ribbed side of battery) will be facing outward closest to the battery compartment cover. Push the red switch located on the back of the scoreboard down to turn the scoreboard on. The scoreboard will automatically light up. Push the red switch up to shut the scoreboard off. When the battery is low an "L" will appear in the period indicator. The scoreboard will automatically shut off when the battery is completely out of energy. The scoreboard may also be operated by plugging the 12 VDC power supply into an A.C. outlet.

3.2 Console Power

The control console is supplied with 2 "AA" Alkaline batteries located on the back of the control console. The control console will automatically start functioning once the batteries have been inserted into the battery compartment. Replace the batteries when necessary.

NOTE


Replace batteries only as a set. Use only Alkaline batteries.

3.3 Remote Radio Learning

Each remote has an ID which is set at All American Scoreboards headquarters, and cannot be changed in the field. The remote should display the ID on a label in the battery compartment. If the label is lost, the ID can be identified by listening to the tones that sound when the batteries are replaced. Short beeps represent a single digit and long beeps represent a tens place. For example, 3 short beeps would represent an ID of 3; 2 long beeps followed by 4 short beeps represent an ID of 24.



Each scoreboard must learn to communicate with the correct remote.

To teach the scoreboard to communicate with the correct remote:


1. Turn scoreboard OFF.
2. Press and hold the "LEARN" button located next to the power switch and turn power ON.
3. Release the "LEARN" button.
4. Press the  button a few times on the remote that will be used with the scoreboard.
5. Turn Power OFF.
6. Turn power ON and test.

3.4 Time Setting and Control

Refer to diagram 6.1 for keypad layout.


To set an 8 minute period, Press:  . This will reset the last time selection. The time will now read "0".


Press repeatedly or hold:  until desired setting is reached.


Press and hold the lower middle button while pressing  or  to decrease the time.

Any time up to 59:59 may be preset in a similar manner.

To set the time to 3 minutes 35 seconds, Press:  until incremented to 3 minutes.

Press:  until incremented to 35 seconds. Increments in 1 second intervals.

Press:  to start/stop the timer.




Press:  to change the mode of the timer.

The mode can only be changed when the timer is not running.

3.5 Team Scores


The Home and Guest Scores can be changed by doing the following:

Press repeatedly or hold:  or  until desired setting is reached.

To reset the score: Press  or  followed by .


Press and hold the lower middle button while pressing  or  to decrease the score.

3.6 Horn

The horn will blow continuously while  is pressed.

The horn will blow automatically at the end of each period for 2 seconds.

3.7 Period

Press  once to increment to the next period.

To reset the period, Press:   .

NOTE: An "L" appearing in the period indicates a low battery condition.

4. MAINTENANCE AND TROUBLESHOOTING

4.1 Introduction

This section gives maintenance and troubleshooting information. Included are troubleshooting guides for typical scoreboard malfunctions. If the cause of a problem cannot be determined, please contact the customer service department.

4.2 Test Equipment

A simple analog or digital voltmeter will be sufficient for all user repairable problems. Printed circuit boards requiring troubleshooting should be returned to the factory.

4.3 Troubleshooting

Whenever possible, follow the troubleshooting guides prior to contacting the customer service department.

If a problem not described in the guides exists, contact the customer service department immediately.

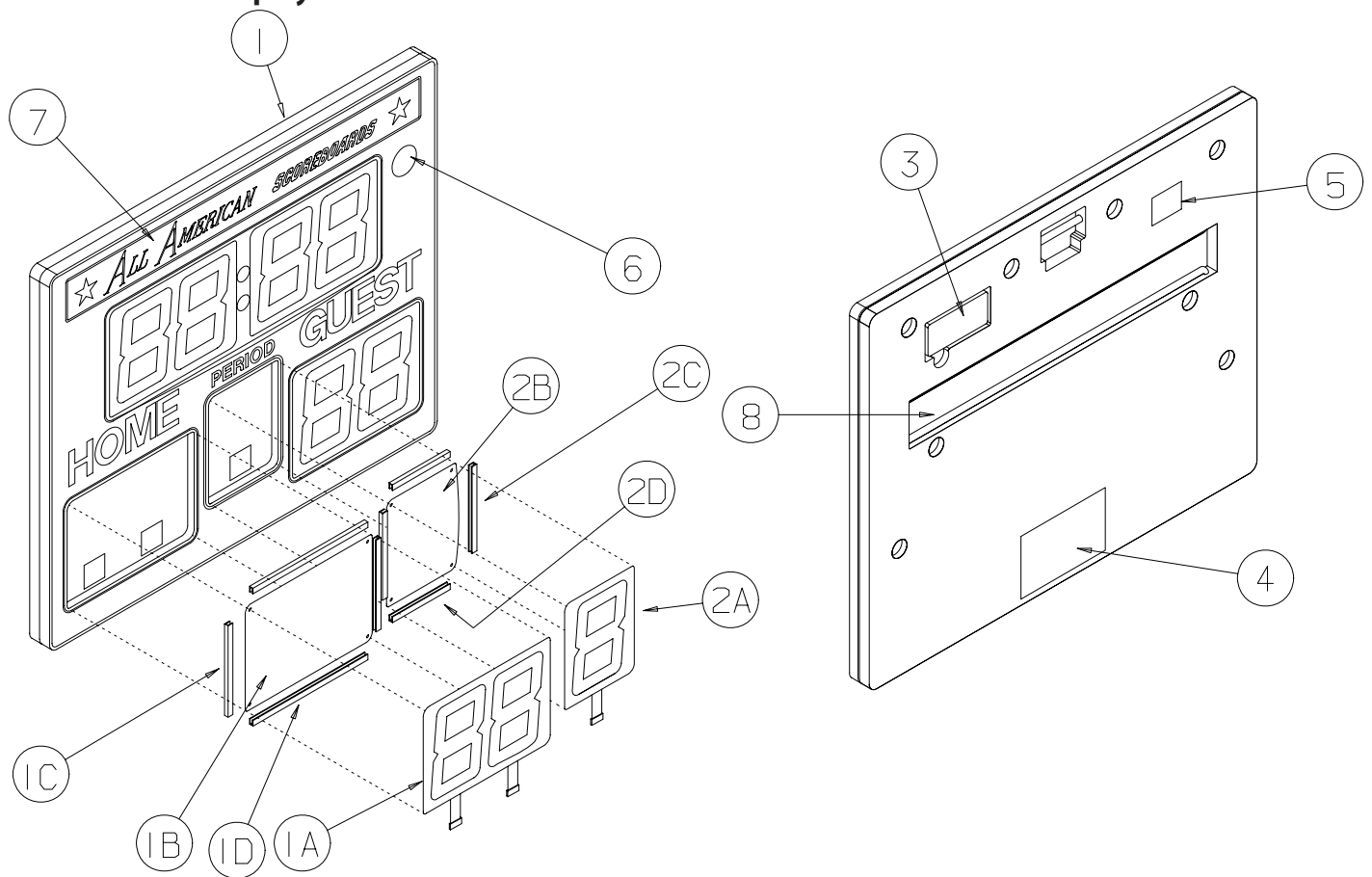
Refer to the diagrams provided for assistance in troubleshooting scoreboard malfunctions.

4.4 Troubleshooting Guides

PROBLEM	POSSIBLE CAUSE	SOLUTION
Scoreboard doesn't display information	No power to the Scoreboard	Check that the main red power switch is turned on.
		Check that the battery is installed correctly and has a good connection.
		Check the battery for charge or confirm that the AC Adapter is plugged in properly
Scoreboard console does not work	No power out of the controller assembly to the board	Check charge condition of batteries in console. Replace all three if necessary.
		Ensure operating range is within specified parameters.
Scoreboard doesn't display correct information	The multisport scoreboard is setup as a baseball scoreboard or the baseball scoreboard is set up as a multisport scoreboard.	<ol style="list-style-type: none">1. Turn power off on the scoreboard.2. Press and hold the "LEARN" button by the power button.3. While holding down the learn button, turn scoreboard ON.4. Program the correct sport by: Multisport: While still pressing the LEARN button, press "TIME IN/OUT". Baseball: While still pressing the LEARN button, press "INNING".5. Release button. Turn power Off.6. Turn on and test.

5. REPLACEMENT PARTS

5.1 Scoreboard Display Parts



REPLACEMENT PARTS LIST (MP-6400)			
REF. NUMBER	DESCRIPTION	PART NUMBER	QTY. NEEDED
1	Display, MP-6400 Outdoor Portable	151542	1
1A	Digit, 7.75" LCD 0-99	151552	4
1B	Back Plate, Digit		4
1C, 1D	J Channel		8
2A	Digit, 7.75" LCD 0-9	151551	1
2B	Back Plate, Digit		1
2C, 2D	J Channel		2
3	Control Console, MP-6000 Portable	151916	1
4	Battery Clip Assy, MP-6400	151549	1
	Battery, 9.6 Volt	EL00538P	1
	Battery Charger	MP00305P	1
5	Switch Plate Assy, MP 6400	151548	1
	Switch, DPDT Rocker	EL00306P	1
	Con, 2.1mm Power Jack	EL00476P	1
6	Horn, 12VDC Hitpoint PS-620	EL00610P	1
7	Ad Panel (Vinyl)	930745	1
	Stand, Portable Scoreboard	151543	1
	PC Board Assy, MP-6000 Controller	151919	1
	Ribbon Cable Assy, 20C	151550	9
	Adaptor, AC 12V./500 MA	121859	1
	PC Board Assy., MP-6000 Trans.	151919	1

6. DIAGRAMS

6.1 Remote Control Console Keyboard Layout

