

RACE **A**MERICA

INNOVATION. TECHNOLOGY. RELIABILITY.

Wireless Lap and Time Scoreboards

Model 6483LT

Rev E1



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PRODUCT INFORMATION LINKS

RaceAmerica Website	www.raceamerica.com
RaceAmerica Online Store	store.raceamerica.com
Raceamerica Online Forum	www.raceamerica.com/forum
Product Warranty	www.raceamerica.com/legal.html
Service & Repairs	www.raceamerica.com/service.html
Technical Assistance	www.raceamerica.com/techcall.html
Owner's Manuals	www.raceamerica.com/prodpdf.html
Mounting Diagrams	www.raceamerica.com/mountpdf.html
Product Catalog	www.raceamerica.com/catalog.html

PRODUCT OVERVIEW

The 6483LT Lap and Time Scoreboard is a microprocessor controlled display using the latest technology Ultra-Bright LEDs. Brightness adjustments in the RaceAmerica software allow viewing at wide angles and in conditions from full sun to total darkness without further adjustment.

The Lap and Time Scoreboard can be controlled using RaceAmerica's Lap Display PC software when a timing system is not available or can be controlled from a PC running the MyLaps Orbits Race Management Software and RaceAmerica's 3130A Racetrack Scoreboard Utility software.

NOTE: THIS PRODUCT USES ULTRA-BRIGHT LED TECHNOLOGY. DUE TO THE BRIGHTNESS LEVEL OF THIS DISPLAY, CARE SHOULD BE TAKEN, AS WITH ANY BRIGHT LIGHTING SOURCE, TO AVOID PROLONGED VIEWING AT CLOSE RANGE AND SHORT DISTANCES. AS WITH ANY BRIGHT LIGHTING SOURCE, VISION MAY BE AFFECTED SHORT TERM SIMILAR TO CAMERA FLASHES.

LOCAL REQUIREMENTS

110/230 VAC Power Source
1 - USB Wireless Unit
1 - PC running control software
6 - 3/8-16 mounting bolts

PACKAGE COMPONENTS

1 - Five digit Scoreboard Module
w/internal wireless transceiver
1 - Rubber Duckie Antenna
1 - Owner's Manual

Wireless Options (PC end):

4520U Wireless Data Comm Links 900MHz
4620U Wireless Data Comm Links 2.4GHz
4620UZ Wireless Data Comm Links 2.4GHz

Available Options:

'LT' suffix
-- - Internal Wireless Data Link 900MHz
'LTX' and 'LTZ' suffix
--- Internal Wireless Data Link 2.4GHz

SPECIFICATIONS

Length/Width/Height (in)	98x29x4.25"
Number of Modules	One
Weight (pounds)	90#
Material	0.10" Aluminum
Finish	Powder Paint
LED color	Red
Light Filter	Transparent Red
No Digits	Five
Digit Size	Twenty-four in
Power reqd	110/220VAC/40W
Data source	Rmonitor

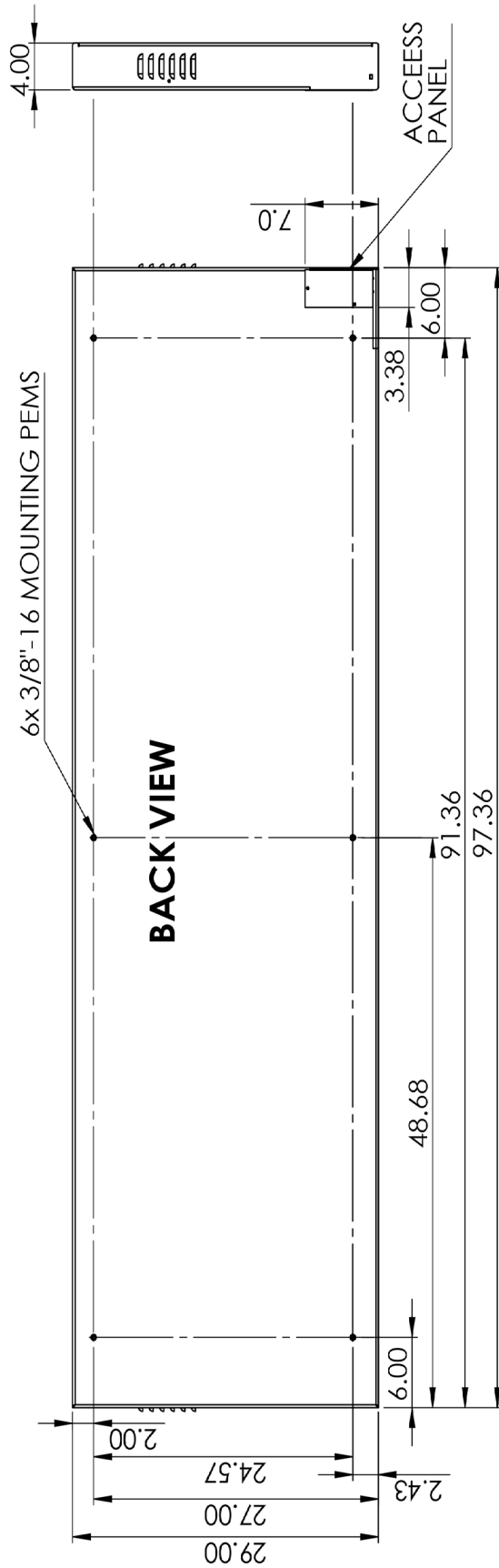
SCOREBOARD SETUP

STEP 1 - Power Set-up

Familiarize yourself with the components. The scoreboard must be connected to a framed structure and mounted using the PEM nuts (3/8-16) on the back of the module. Open the power box by removing the four screws and pulling it down.

Power is supplied to the scoreboard unit through the NEMA watertight junction box located on the Position 5/10 enclosure behind the Position 5/10 digit panel. Remove the screws holding the Rear Power Access Panel (lower right corner on rear of enclosure). Remove the four corner screws to reveal the terminal strip (Figure 6). AC power can be installed to power the scoreboard using a 3/4in conduit attached directly to the bottom of

ENCLOSURE FOR 24"/61cm DIGITS MOUNTING LOCATIONS



85-5240 D

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Figure 1 - Enclosure Mounting

the watertight enclosure.

To install an AC power cord, attach a 3/4in conduit to the NEMA watertight junction box and slide the powerwire through the and connect power as follows (Figure 3):

AC power connection label:

L = live or hot side of AC power

N = neutral side of AC power

G = ground lead of AC power

Re-install the cover to the NEMA watertight junction box to seal the electrical connection.



Figure 2 - Cover removed from NEMA watertight junction box

STEP 2 - Install the antenna

Install the rubber duckie antenna and position it in an upright orientation.

SOFTWARE SETUP

STEP 1 - Download Software

Go to the RaceAmerica website at <http://www.raceamerica.com> and download the model 3130A Racetrack Scoreboard Utility PC Software from the Licensed Software download page using the Software License issued at time of purchase. The ZIP file contains an install file for FTDI Drivers and an install file for the RaceAmerica software.

STEP 2 - Install the Software

Open the ZIP file and drag the two EXE files to the desktop. Double click the FTDI Drivers Install.exe file to install the drivers. Follow the onscreen instructions and wait for completion.

Double click the second EXE file to install the RaceAmerica software. Follow the onscreen instructions and wait for completion.

STEP 3 - USB Wireless Unit

Attach the antenna to the 4520/4620 Wireless Unit. Connect the USB cable to the PC and to the Wireless Unit. The Windows operating system will recognize the new device and begin installation of the drivers. This process can take several minutes so be patient. Once the drivers are installed, Windows will display a message of a successful installation. Do not unplug the USB cable. Windows will recognize the device and begin a second driver installation creating a PC COM port for use by the software. This process can take several minutes to recognize the newly installed device so be patient. Once the install is complete, Windows will display a message with the PC COM port number (i.e. COM3, COM7, etc). The PC software will prompt for which

PC COM port to use so note the COM number displayed by Windows.

Run the RaceAmerica software and select the PC COM port to connect to the USB Wireless Unit. The scoreboard and software are ready to use.

SCOREBOARD OPERATION

The Scoreboard will run through a power-up self-test each time it starts. It is then ready to display LAPS or TIME.

Refer to the manuals for RaceAmerica and Orbits software control.

SPARE PARTS

Further to minimize race program interruptions, RaceAmerica recommends some spare parts. While the Lap and Time Scoreboard may not shut down the racing action, a spare USB Wireless Unit and antennas should be considered. Contact RaceAmerica for availability and pricing of spares items.

SUPPORT AGREEMENTS

Support agreements are available from RaceAmerica providing Telephone Assistance on technical issues and operational questions, repair and/or replacement of hardware failures, Software and Firmware updates and bug reporting. Contact RaceAmerica for more information and pricing of Support Agreements.

REVISION HISTORY

- A - 03/11 - Original release - Lemoore CA using
- B - 12/11 - Power supply box changes
- C - 03/12 - correct power reqts and references to MyLaps and Orbits
- D - 5/10/16 - change to new enclosure