RACE**A**MERICA

INNOVATION. TECHNOLOGY. RELIABILITY.

Product Catalog

ELECTRONIC FLAGGING SYSTEMS

Track Safety

TIMING SYSTEMS

00:01:45

LAP 103 TIME

LED SCOREBOARDS

INTERACTIVE APPS

RaceAmerica • 62 Bonaventura Drive San Jose, CA 95134 USA • www.raceamerica.com

Rev 30.22.1

Table of Contents

2700 XL Wireless

The World's first and only fully wireless Drag Timimg System! Now with T-Link 3.0 !
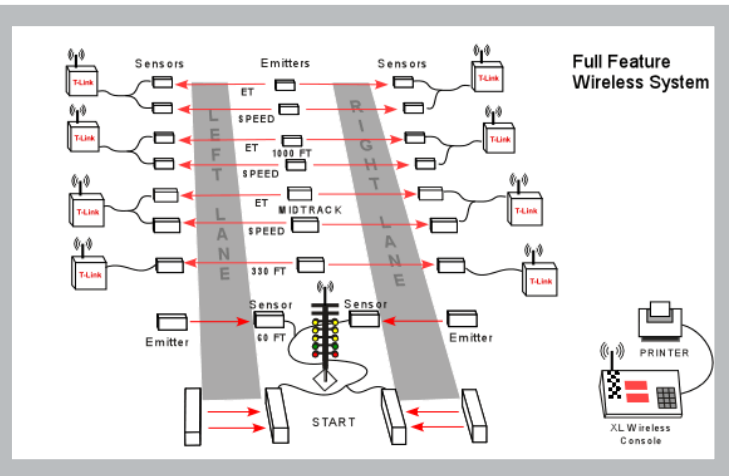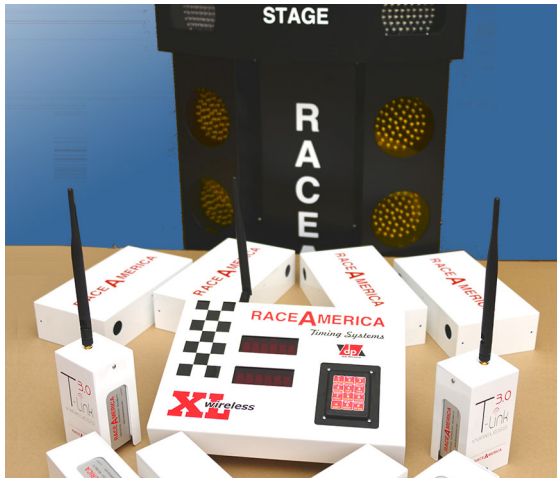
The Full Featured XL Wireless Timing System Model 2700

The 2700 Series XL Wireless Drag Timing System can be configured as a single lane or dual lane timing system without the long track cables. The 2700 Timer Console communicates through an industrial grade wireless link to the Drag Tree, Start Line Beams, and 60 foot Beams. Remote T-Link Wireless units are located on the side of each lane for a full range of ET and speed measurements. The 2700 XL technology provides consistent reliable results with verifiable 0.001-second accuracy.

For more info go to: www.raceamerica.com/xlw.html
Track Layouts go to: www.raceamerica.com/xlwtrak.html

3128A XLscore II and 3128B XLscore PRO Control & Race Management

The XL Wireless timing system can be controlled by your PC running the optional XLscore PRO Race Management Software. The Race Management Software enables the functions on the main menu to manage the racing action from start to finish. The XLscore PRO Race Management Software runs under 7, 8 ,and 10 operating systems (32 or 64 Bit).

For more info go to: www.raceamerica.com/rmsw8.html

NOW WITH LIVE TIMING

2710 XL Wireless

The Basic XL Wireless Timing System Model 2710

The 2710 Series XL Wireless Drag Timing System can be configured as a single lane or dual lane timing system without the long track cables. The 2710 Timer Console communicates through an industrial grade wireless link to the Drag Tree, Start Line Beams, and 60 foot Beams. Remote T-Link Wireless units are located on the side of each lane for end of track ET and speed measurements. The 2710 XL technology provides consistent reliable results with verifiable 0.001-second accuracy.
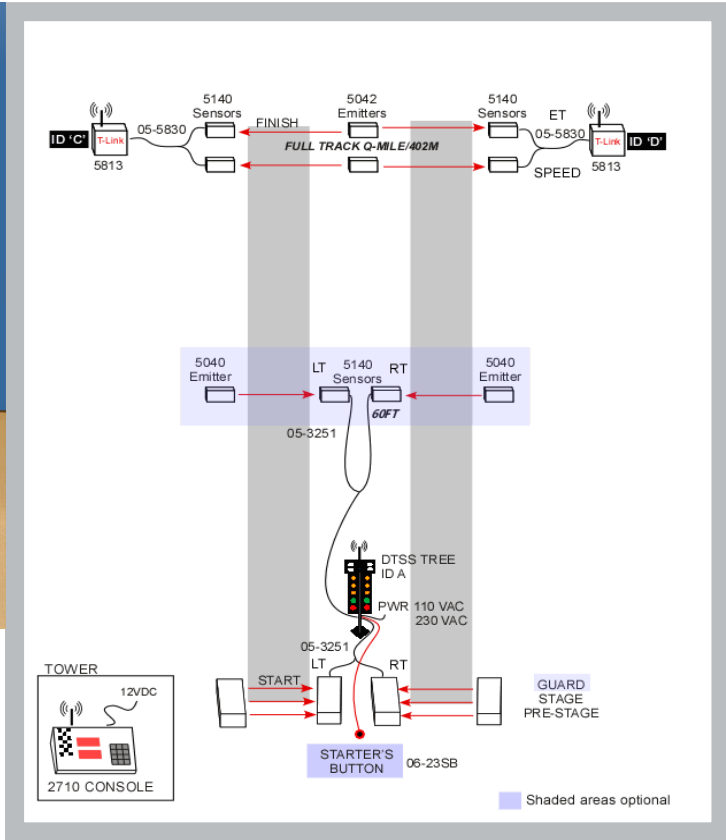
3128A XLscore II and 3128B XLscore PRO Control & Race Management

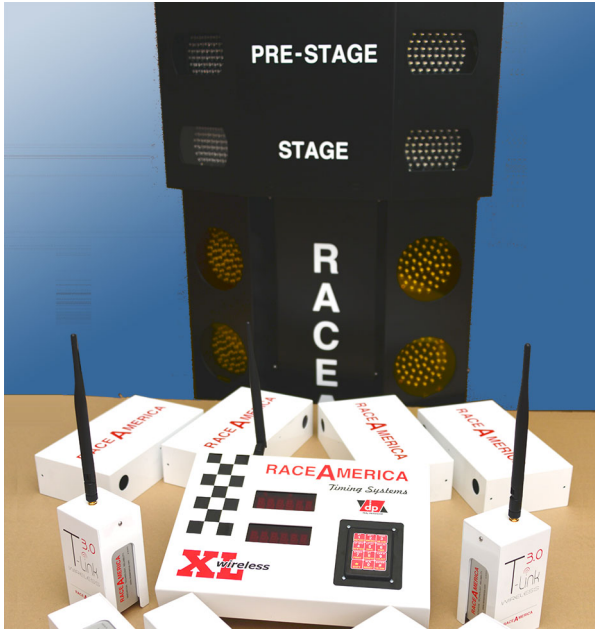The XL Wireless timing system can be controlled by your PC running the optional XLscore PRO Race Management Software. The Race Management Software enables the functions on the main menu to manage the racing action from start to finish. The XLscore PRO Race Management Software runs under Windows 7,8, and 10 operating systems (32 or 64 Bit).

For more info go to: www.raceamerica.com/rmsw8.html
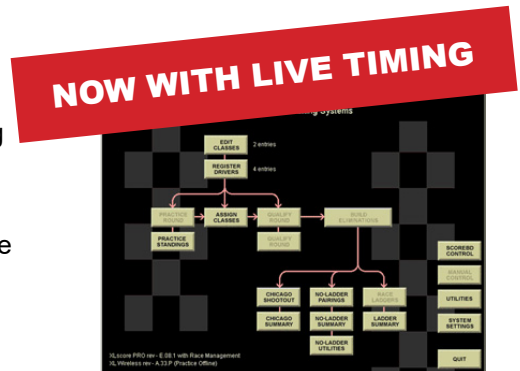
NOW WITH LIVE TIMING

2900 XL Professional
Dual Lane Drag Timing System

The XL Professional Model 2900

The XL Professional model 2900 is designed for clubs and promoters running mid to high end race programs. RaceAmerica's XLscore PRO Control, Display & Race Management Software running in your PC or Laptop controls all aspects of this timing system from the tower. All XL Professional systems use our race proven infra-red beam emitters and infra-red track sensors allowing lane widths up to 50 feet with easy setup and alignment. The XL Professional system offers unique features like automatic beam alignment testing before every race and alignment verification on the Tree and the PC. The software includes network connectivity for remote PCs to be used to display race results. Included Race Management Software completes the package with Driver Registration, Qualifying, full 64 Car NHRA style Ladders and Single Eliminations.

For more info go to: www.raceamerica.com/ptxlmain.html

3128 XLscore PRO Control & Race Management

The XL Professional timing system is controlled by your PC running the XLscore PRO Race Management Software. The Race Management Software enables the functions on the main menu to manage the racing action from start to finish. The XLscore PRO Race Management Software runs under Windows 3.1, 95, 98, 2000, ME, XP, Vista, 7 and NT operating systems (16/32 Bit).

For more info go to: www.raceamerica.com/rmsw.html

Drag Racing Scoreboards

RaceAmerica manufactures a full line of LED Scoreboards designed specifically for drag racing applications. Available digits sizes include 24in/60cm, 15in/38cm, 8in/20cm and 5in/13cm tall digits. These intelligent scoreboards are microprocessor controlled and utilize the latest technology Ultra-Bright LED's (Light Emitting Diodes).

For more info go to: www.raceamerica.com/sbdrag.html

2650 Series XL Advanced
Dual Lane Drag Timing System

The XL Advanced Model 2650

This product was designed for serious side-by-side drag racing. This state-of-the-art drag timing system allows owners the ability to start with the features they need today and the ability to add features in the future as their racing program changes.

The 2650 Series XL Advanced Drag Timing System is a dual lane timing system available in two models, the 2650H for HeadsUp starts and the 2650B with the added capability of Bracket/Index for stagered starts using Dial-ins for each lane. Both of the 2650 models ship with a 12VDC Metal Tree standard with the 110VAC or 230VAC Tree optional. Or upgrade to the new DTSS.

For more info go to: www.raceamerica.com/xlamain.html

3126 XLscore Advanced Data Capture Software

The XLscore Adv Race Results Display and Data Capture PC Software is compatible with 2650 series XL Advanced Drag Timing Systems. This is a versatile software program with Click and Point functionality, Class and Driver Registration, and Display of Race Results and Standings. The XLSCORE Adv software runs under Windows 3.1, 95, 98, 2000, ME, Vista, 7 and NT operating systems (16/32 Bit).
For more info go to: www.raceamerica.com/xlscorea.html

Drag Racing Scoreboards

RaceAmerica manufactures a full line of LED Scoreboards designed specifically for drag racing applications and interface to more than just RaceAmerica timing systems. Available digits sizes include 24in/60cm, 15in/38cm, 8in/20cm and 5in/13cm tall digits. These intelligent scoreboards are microprocessor controlled and utilize the latest technology Ultra-Bright LED's (Light Emitting Diodes).
For more info go to: www.raceamerica.com/sbdrag.html

"Our event went great! The timing system worked flawlessly. Thanks so much for putting it together so fast for us."

Bill Deister, Motor City Solutions
Press Launch - 2011 Ford Mustang

2450 XL S4 Professional
Four Lane Drag Timing System

Photography:
Joanie Moore / joaniemoore.com

4-Lane Outside-of-Track Cable
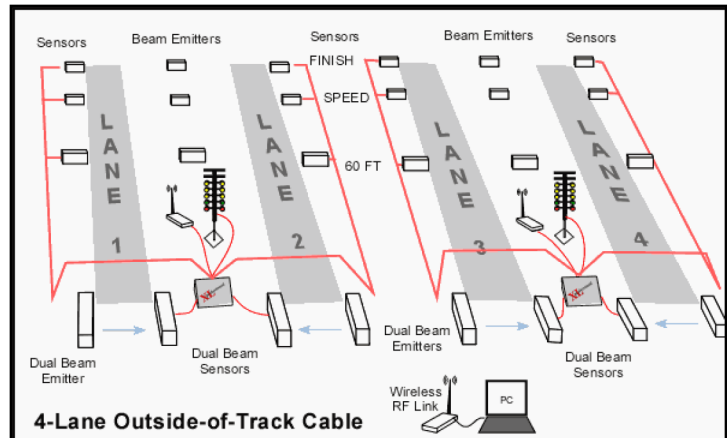
The XL Professional S4 Model 2450

The XL Professional S4 Timing System is the ultimate in 4-Lane Snowmobile Drag Timing Systems with no cables between the tower and the track. PC control with features like on-screen Stage monitoring, Finishing Order, Wireless Data Links, and ET, RT, Speed & 60FT. The XL Professional S4 is designed for 4-lane Ice and Grass Snowmobile Drag Racing events offering Pro and Full (Sportsman) starting lights formats. The XL Professional S4 is also available in a 2-lane package expandable to the 4-lane configuration. Fewer track cables is achieved through the implementation of a Wireless Data Comm Link between the tower and the track. PC software is included to control and configure the timing system. Finishing Order is displayed on both trees and on the PC Screen after each race.

For more info go to: www.raceamerica.com/s4main.html

3124 XLscore S4 Operation Software

The Timer S4 XL timing system is controlled by your PC running the XLscore S4 PC Software supplied with the system. The Main screen displays all four lanes of race results and monitors staging real-time through the Wireless Data Comm Links on the track. When a race completes, the software displays race results and finish order. Results are saved to the PC's hard drive, date and time stamped providing an audit trail for your event.

For more info go to: www.raceamerica.com/xls4.html

Snowmobile Scoreboards

The latest models of RaceAmerica Finish Order Scoreboards are now available in two digit sizes, 15 inch and 8 inch tall digits. These scoreboards are designed to connect to a RaceAmerica Timer S4 Four Lane Snowmobile Drag Timing System and display lane finishing order after every run. Even when operating in full direct sunlight, these scoreboards are easily viewable.

For more info go to: www.raceamerica.com/s4disp.html
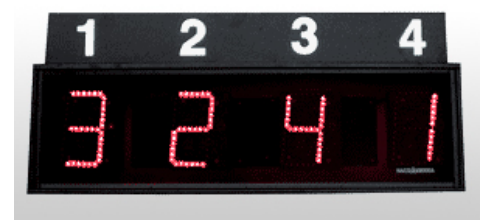
DRAG RACING
Timing Systems Comparison Chart

Product Name	XL Wireless	XL Professional	XL Advanced	XL S4
Model Numbers	2700/2710	2900/2910	2650H/2650B	2450
Number of Lanes	2	2	2	2 and 4
Track Cables	T-Link Wireless	Included	Included	Included
Elapsed Time (seconds)	90.000 max	90.000 max	90.000 max	90.000 max
Vehicle Speed (MPH)	opt 2700/2710	opt 2900/2910	option 6020	option 6020
Vehicle Speed (Km/H)	opt 2700/2710	opt 2900/2910	option 6020	option 6020
60 Foot ET	opt 2700/2710	opt 2900/2910	option 6013	option 6013
330ft / 660ft / 1000ft ET	opt 2700	opt 2900	-	-
101m / 201m / 305M ET	opt 2700	opt 2900	-	-
660ft/201m Speed	opt 2700	opt 2900	-	-
1000ft/305m Speed	opt 2700	-	-	-
Reaction Time (seconds)	9.999 max	9.999 max	9.999 max	9.999 max
Redlight Detection	Included	Included	Included	Included
Redlight Indicator	Included	Included	Included	Included
Perfect RT=0.000	Included	Included	-	-
Autostart	XL Pro	XL Pro		
Pro & Full Starting Tree	Included	Included	Included	Included
Heads-Up Starts	Included	Included	Included	Included
Crosstalk Feature	Included	Included	-	-
Super Starts	Included	Included	-	-
Dial-ins/Bracket Starts	Included	Included	Included 2650B	-
Breakout Indicator	Included	Included	Included 2650B	-
Winner Indicator	Included	Included	Included	-
Finish Order Indicator	-	-	-	Included
Vehicle Pre-staging	option 6027	option 6027	option 6027	-
Vehicle Staging	Included	Included	Included	Included
Guard Beam	option 6023	option 6023	option 6023	Included
Pre-stage & Guard Beams	option 6026	option 6023	option 6026	-
Race Management S/W	opt 2700	Included 2900	-	-
Data Capture S/W	opt 2710	Included 2910	option 3126	Included
S/W Product Name	XLScorePRO/II	XlscorePRO/II	XLscore ADV	XLscore S4
S/W Model Number	3128	3128	3126	3124
Standard Tree Power	110VAC	110VAC	110VAC	110VAC
Optional Tree Power	230VAC	230VAC	230VAC	230VAC
Tree Height	FullSize	Fullsize	Fullsize	Fullsize
DTSS LED Tree Compatible	Yes	Yes	Yes	Yes
SST LED Tree Compatible	Yes	Yes	Yes	Yes

DRAG TREES

Drag Race Equipment for the 21st Century

DTSS LED Drag Tree
FACING DRIVER SIDE AND DOWN TRACK

back view

side view

SST Single-Sided
FACING DRIVER SIDE ONLY

back view

side view
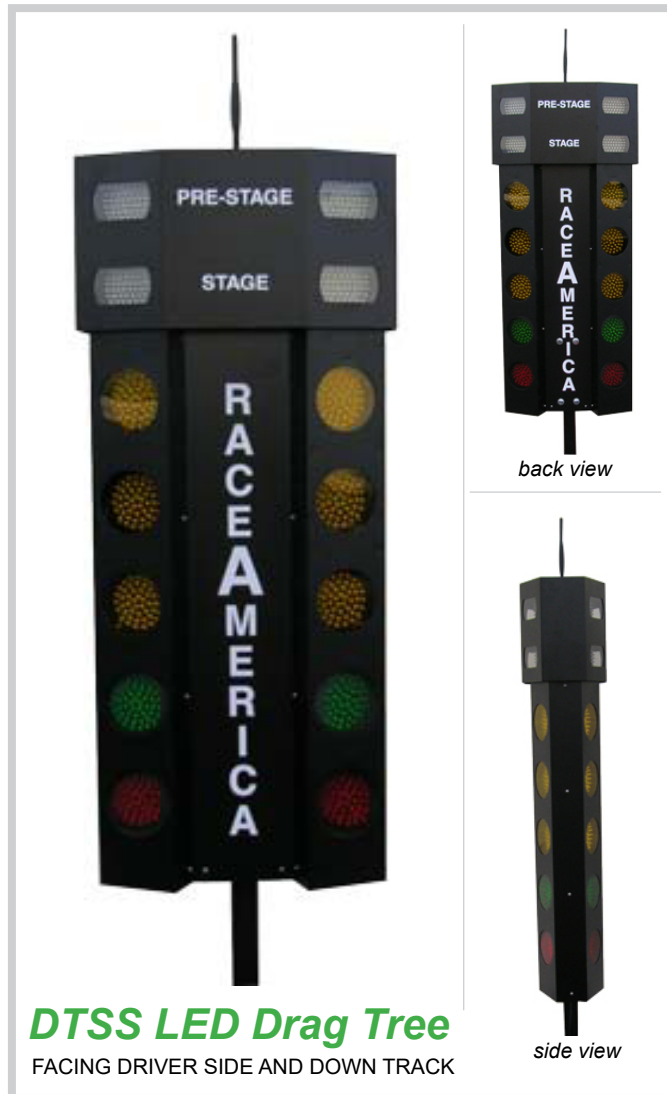
Revolutionary LED Drag Race Trees

- Purpose built to take advantage of 21st century technology
- Long lasting light circuits lowers life cycle costs
- Lightweight construction for easy transportation
- Low voltage system reduces energy costs (98% more efficient)
- Can slow down LED's illumination to match lighting profile of traditional incandescent floodlights
- Premium microprocessors operation for rapid & accurate communication with all timing system components
- Link to your current system
- Modern design for today's Racetrack

Scoreboards for Drag Racing

Need a pair of LED Scoreboards for your race track? RaceAmerica manufactures a full line of LED Scoreboards designed specifically for drag racing applications and interface to more than just RaceAmerica timing systems. Available digits sizes include 24in/60cm, 15in/38cm, 8in/20cm and 5in/13cm tall digits. These intelligent scoreboards are microprocessor controlled and utilize the latest technology Ultra-Bright LED's (Light Emitting Diodes). All RaceAmerica Scoreboards are designed to connect to standard 110VAC or 230VAC power or 24VDC/12VDC power or use an optional Internal Rechargable Battery. With no moving parts to wear out, the solid state design increases reliability significantly and reduces the cost of owning scoreboards at your drag race. RaceAmerica's Scoreboards are available to connect to all RaceAmerica drag timing systems as well as most other manufacturers of timing systems including Compulink and Portatree.

Contact RaceAmerica with your scoreboard needs and see how easy it is to add scoreboards to your existing race track.
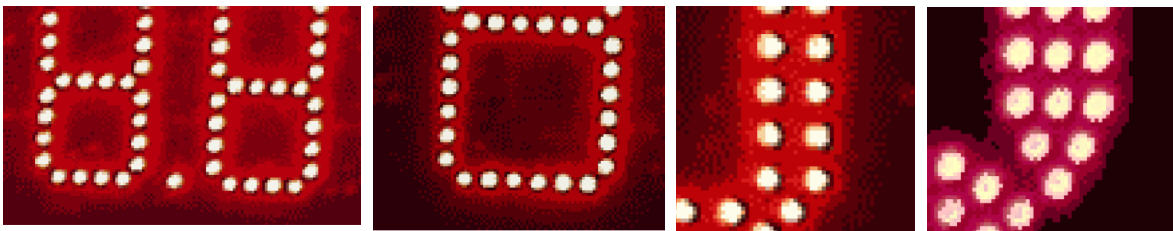
Picture showing relative scoreboard sizing for 5 digit displays and the LED detail of each digit size.

For more info go to: www.raceamerica.com/sbdrag.html

"The RaceAmerica LED scoreboards and their wireless communication systems have been thoroughly road tested. Despite a rigorous shipping schedule, having traveled to more than 50 locations with our team in a single year; the equipment worked perfectly every time."

Brian Bassone, Pinks All Out- Arm Drop Racing

DRAG RACING
SCOREBOARDS
Comparison Chart

Digit Height (in.)	8	15	24
Digit Height (cm.)	20	38	61
SINGLE LINE DUAL LANE			
Number of Displays	2	2	2
RaceAmerica Timing Systems	pn 6828	pn 6628	pn 6428
Compulink Timing Systems	-	pn 6629	pn 6429
Portatree Timing Systems	-	pn 6629	pn 6429
Portatree Eliminator 2000 Box	pn 6827	-	-
Dial-In Boards (RA Systems)	pn 4528 5in/13cm	pn 4528 5in/13cm	pn 4528 5in/13cm
DUAL LINE DUAL LANE			
Number of Displays	4	4	4
RaceAmerica Timing Systems	pn 6810	pn 6610	pn 6410
Compulink Timing Systems	-	pn 6611	pn 6411
Portatree Timing Systems	pn 6812	pn 6611	pn 6411
Display Dimensions (in.)	14.25 x 46.75 x 3	22.25 x 64 x 4	29 x 112.5 x 4
Display Dimensions (cm.)	36.2 x 118.7 x 7.6	56.5 x 162.6 x 10.2	73.7 x 285.8 x 10.2
Number of Digits per Display	6	5	6
Hardwired Data Comm	Wireless	Wireless	Wireless
DC Power Requirements	12VDC	120/230VAC	120/230VAC
AC Power Option	pn 6501	Included	Included

3850 Timer AC4
Four Timer Autocross Timing System

Timer AC4 (Hardwired or Wireless)

RaceAmerica's Timer AC4 can actively time up to four cars on the track at the same time and display them in real time with thousandth of a second accuracy. The AC4 can operate with separate start & finish sensors or a single common start/finish sensor for lap timing.

Lap numbers, run numbers and best time can be displayed in M:SS.FFF format as well as SSS.FFF format. Sensor lockout time, off course time and 'end run' maximum time are adjustable can be preset.

For more info go to: www.raceamerica.com/tac4main.html

AXware Software for Windows from Axware Systems.

PRO and BASIC versions of the #1 Autocross software are available from AXware Systems and fully compatible.

Visit Axware website at www.axwaresystems.com to download a demo version of the software package designed for the RaceAmerica Timers.

AC4 Hardwired or Wireless with T-Link 3.0

Timer AC4 ships with 100 foot interconnect cables between the timer and the start & finish lines. Options include longer track cables or our T-Link3 Wireless system. T-Link3 Wireless is available configured to connect to an external track sensor via a 25 foot interconnect cable. The external sensor configuration is designed for applications where it is desirable to relocate the T-Link3 Wireless unit away from the track and out of harm's way.

For more info go to: www.raceamerica.com/tlink3.html

Large Digital Displays

RaceAmerica introduces affordable Large Digital Displays to bring the crowd into your racing action. These Large Digital Displays are microprocessor based intelligent displays using the latest technology Ultra-Bright LED's (Light Emitting Diodes).

For more info go to: www.raceamerica.com/displays.html

ET Display Timers
Single Vehicle Elapsed Time Display Timers - E-Series

The 6x32E, E-series Display Timers, combine the timing accuracy and precision of our most popular Elapsed Time Timing Systems with the crowd pleasing presentation of one of our Large Digital Displays, all in one package. Designed for tracks where the start and finish lines define the extremes of the race track. The timer automatically checks alignments at the start line and finish line to insure the track electronics has not been bumped or misaligned before it resets for the next run.
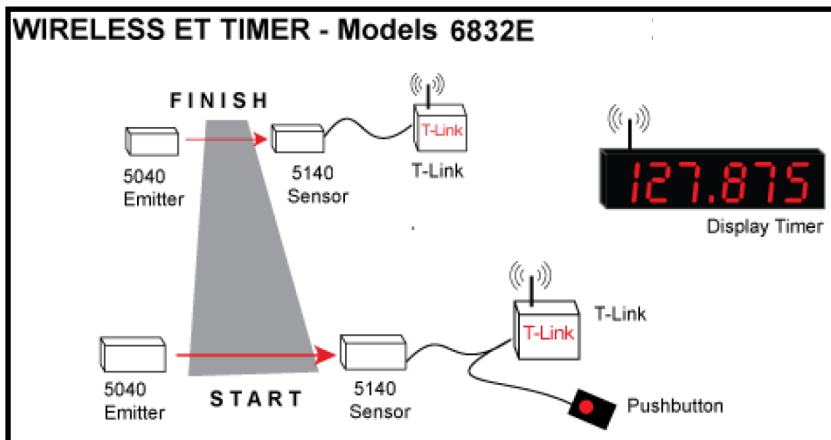
The E-series Display Timers are counting timers displaying seconds, minutes or hours depending on the size and configuration and are accurate to .001 seconds. The units are available with 8", 15" or 24" digit sizes depending on your visibility distance needs.
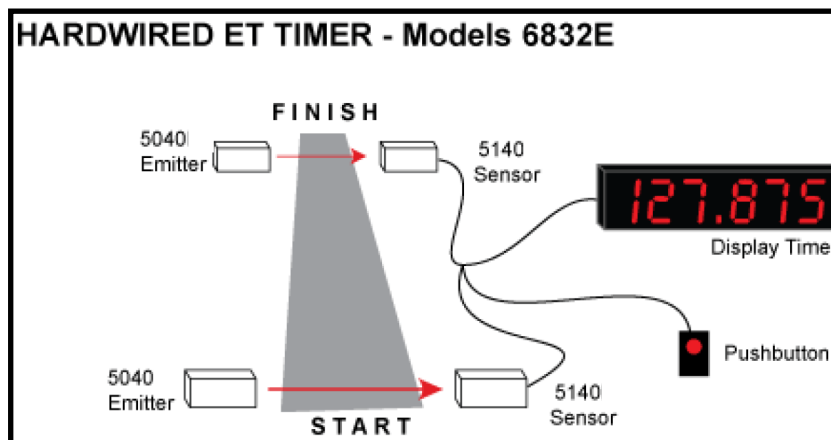
When the vehicle 'breaks' the starting beam, the display starts counting. Breaking the finish line beam stops the elapsed timing. The LED display continuously displays the current time counting live and freezes the display when the finish line is crossed.

Power can be supplied to the timer from any 12 volt DC power source or by using the optional 110 volt AC Adapter.

Availabel in hardwired or wireless configurations. For more info go to: www.raceamerica.com/dtet.html

AUTOCROSS
Timing Systems Comparison Chart

NEW!

Product Name	Timer AC4	Timer AC4 Wireless	Wireless PC Based	Display Timer 6x32E
Model Numbers	3850B	3850BW/BZ	5840 T-Link 3.0	6832/6632/64321
Wireless Track Cables	-	Yes	Yes	Yes
PC Required	Optional	Optional	Required	No
Timing Format M:SS.FFF	Included	Included	Included	-
Timing Format SSS.FFF	Included	Included	Included	Included
Time Limit M:SS.FFF	9:59.999	9:59.999	9:59.999	
Time Limit SSS.FFF	999.999	999.999	999.999	-
Number of Cars on Track	4 max	4 max	Unlimited	2
Track Sensor Type	Hardwired	T-Link 3 Wireless	T-Link 3 Wireless	T-Link 3 Wireless
S/W Required	No	No	Yes	No
S/W Compatibility	AXWare	AXWare	AXWare	-
Network Multiple PC's	add NW License	add NW License	add NW License	-
LED Display Available	Optional	Optional	Optional	Included
LED Display 8IN/20CM	pn 6860	pn 6860	pn 6860	6 digit
LED Display 15IN/38CM	pn 6650	pn 6650	pn 6650	5 digit
LED Display 24IN/60CM	pn 6450	pn 6450	pn 6450	5 digit

LED Digital Displays
Intelligent Displays for Autocross

RaceAmerica introduces affordable Large Digital Displays to bring the crowd into your racing action. These Large Digital Displays are microprocessor based intelligent displays using the latest technology Ultra-Bright LED's (Light Emitting Diodes).

These are no ordinary LED's. By incorporating the latest LED technology, RaceAmerica's Displays can be seen clearly with full sunlight shining directly into the front of the displays!

All RaceAmerica Large Digital Displays are designed to connect to standard 110VAC or 230VAC power using our AC Adapters or 12 volt DC power such as an automotive battery available for 8in/20cm displays. The low power consumption level of these displays makes it possible to run a full day and night event on a single battery charge. With no moving parts to wear out, the solid state design increases reliability significantly and reduces the cost of owning displays at your autocross race event. RaceAmerica's Large Digital Displays are available in three digit heights to match placement on the track, in front of the drivers, and to show the race results to the crowd.

Check out the full set of features offered with this display and the capabilities to interface to just about anything with an RS232 serial port.

For more info go to: www.raceamerica.com/displays.html

Viewability Range:

  24in/61cm up to 1,000ft/305m

  15in/38cm up to 660ft/201m

  8in/20cm up to 200ft/60m

PC Race Management Software
Connected to a PC running race management software, the display demonstrates the unique features designed around Autocross racing events. Each time a car passes through the finish line, the PC sends the display information about the current run time, the driver's best run, and where the driver is in the standings.

DISPLAYS
Comparison Chart

Digit Height (in.)	5	8	15	24
Digit Height (cm.)	13	20	38	61
Number of Digits (x)	4	6	5	5
Model Numbers	pn 6540	pn 6860	pn 6650	pn 6450
Dimensions (in.)	11.5x29.63x3	14.3x46.75x3	22.3x64x4	29x112.5x4
Dimensions (cm.)	29x75x7.6	36.x119x7.6	57x163x10.2	74x286x10.2
Hardwired Data Comm	RS232	RS232	Wireless	Wireless
Optional Data Comm	Wireless	Wireless	-	-
Wireless Option	Yes	Yes		
DC Power	12VDC	12VDC		
AC Power	pn 6501	pn 6501	110/230VAC	110/230VAC

3210 Timer MB Mud Bog

Single Lane Elapsed Time

Timer MB available with T-Link 3.0

RaceAmerica put their know-how and engineering to the task of developing a timing system designed with the Mud Bog, ATV, and Dirt Racing event in mind. Starting with the single lane timed run concept, RaceAmerica has taken timing Mud Bogs, ATV, and Dirt Racing to the next level of reliability and ease of use. The Timer MB timing system contains the Timer MB console with integrated LED Displays, two of our race proven Infrared Beam Emitters, two highly reliable Infrared Track Sensors, and track cables designed for tracks from 100 ft long to over 500 ft.
For more info go to: www.raceamerica.com/mudmain.html

AXWareET Software for Windows from AXware Systems (optional)

Data Capture software from AXware Systems includes class and driver registration, easy to use staging, real time results and race history.
For more info go to: www.raceamerica.com/softac.html
To download a demo version of the software go to www.axwaresystems.com/etdemos.html

Timer MB Hardwired or Wireless with T-Link 3.0

Timer MB ships with hardwired track cables between the timer and the start & finish lines. Options include longer track cables or our T-Link3 Wireless system. T-Link3 Wireless is available configured to connect to an external track sensor via a 25-foot interconnect cable. The external sensor configuration is designed for applications where it is desirable to relocate the T-Link3 Wireless unit away from the track and out of harm's way.
For more info go to: www.raceamerica.com/tlink3.html

Large Digital Displays

RaceAmerica introduces affordable Large Digital Displays to bring the crowd into your racing action. These Large Digital Displays are microprocessor based intelligent displays using the latest technology Ultra-Bright LED's (Light Emitting Diodes).
For more info go to: www.raceamerica.com/displays.html

MUD BOG & HILLCLIMB
Timing Systems
Comparison Chart

Product Name	Timer MB	Wireless Timer	T-Link Wireless	Display Timer
Model Numbers	**3210E**	**3210EW**	**5840**	**6x32E**
Wireless Track Cables	No	Yes	Yes	No
PC Required	Optional	Optional	Required	Optional
Elapsed Time	999.999 max	999.999 max	999.999 max	999.999 max
Number of Cars on Track	1 max	1 max	1 max	1 max
Track Sensor Type	Hardwired	T-Link 3 Wireless	T-Link 3 Wireless	Hardwired Wireless Optional
S/W Required	-	-	Yes	-
PC Software Name	AXWareET	AXWareET	AXWareET	AXWareET
PC Model Number	pn3122	pn3122	pn3122	pn3122
Network Multiple PC's	add NW License	add NW License	add NW License	add NW License
LED Display Available	Optional	Optional	Optional	Included
LED Display 8IN/20CM	pn 6860	pn 6860	pn 6860	6 digit
LED Display 15IN/38CM	pn 6650	pn 6650	pn 6650	5 digit
LED Display 24IN/60CM	pn 6450	pn 6450	pn 6450	5 digit

3220 Timer SBD
Differential Finish and Elapsed Time Timing System
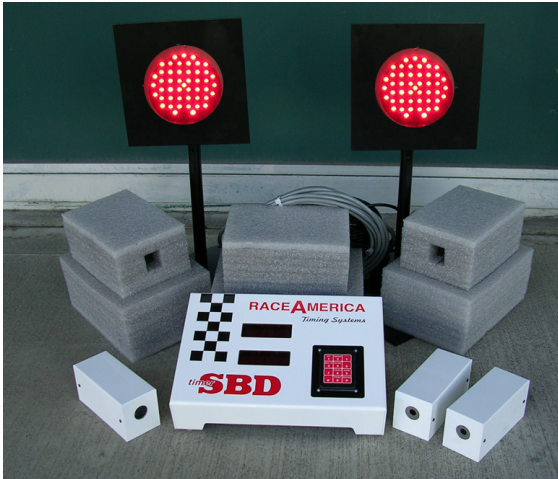
Timer SBD + Wireless

RaceAmerica improved the Timer SBD Timing System with the Soap Box Derby racing event in mind. The Timer SBD is two timers in one measuring the Differential Time between each lane crossing the finish line AND measuring the Elapsed Time for each lane! The Elapsed Time measurement is displayed on dual LED Displays located on the console and the ET's can be enabled or disabled with a few keystroke on the integrated 12-button keypad.

For more info go to: www.raceamerica.com/soapts.html
For track diagrams: www.raceamerica.com/sbdtrak.html

AXWareDerby for Windows

PC software versions are available to capture race results or to manage all the practice and elimination rounds by class. Single and Double eliminations as well as computer generated pairings or AASBD heat sheet pairings.
For more info go to: www.raceamerica.com/sbderby.html

Timer SBD Hardwired or Wireless with T-Link 3.0

SBD Timing is available in a hardwired model, pictured above as well as a wireless model, pictured on right. Both models provide differential finish timing and optional elapsed time for each lane.
For more info go to: www.raceamerica.com/sbdw.html
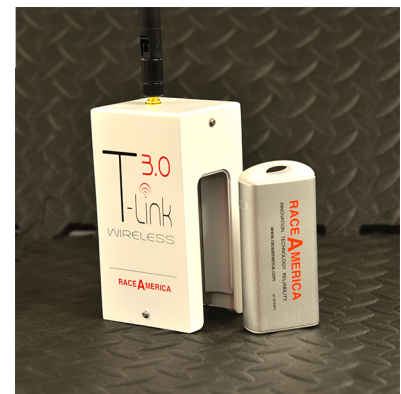
Large Digital Displays

RaceAmerica introduces affordable Large Digital Displays to bring the crowd into your racing action. RaceAmerica Displays can be configured to display the winning lane and differential finish time or the elapsed time for each lane.
For more info go to: www.raceamerica.com/sbdacc.html

5842 Wireless Soap Box Derby/ AxWareDerby Software
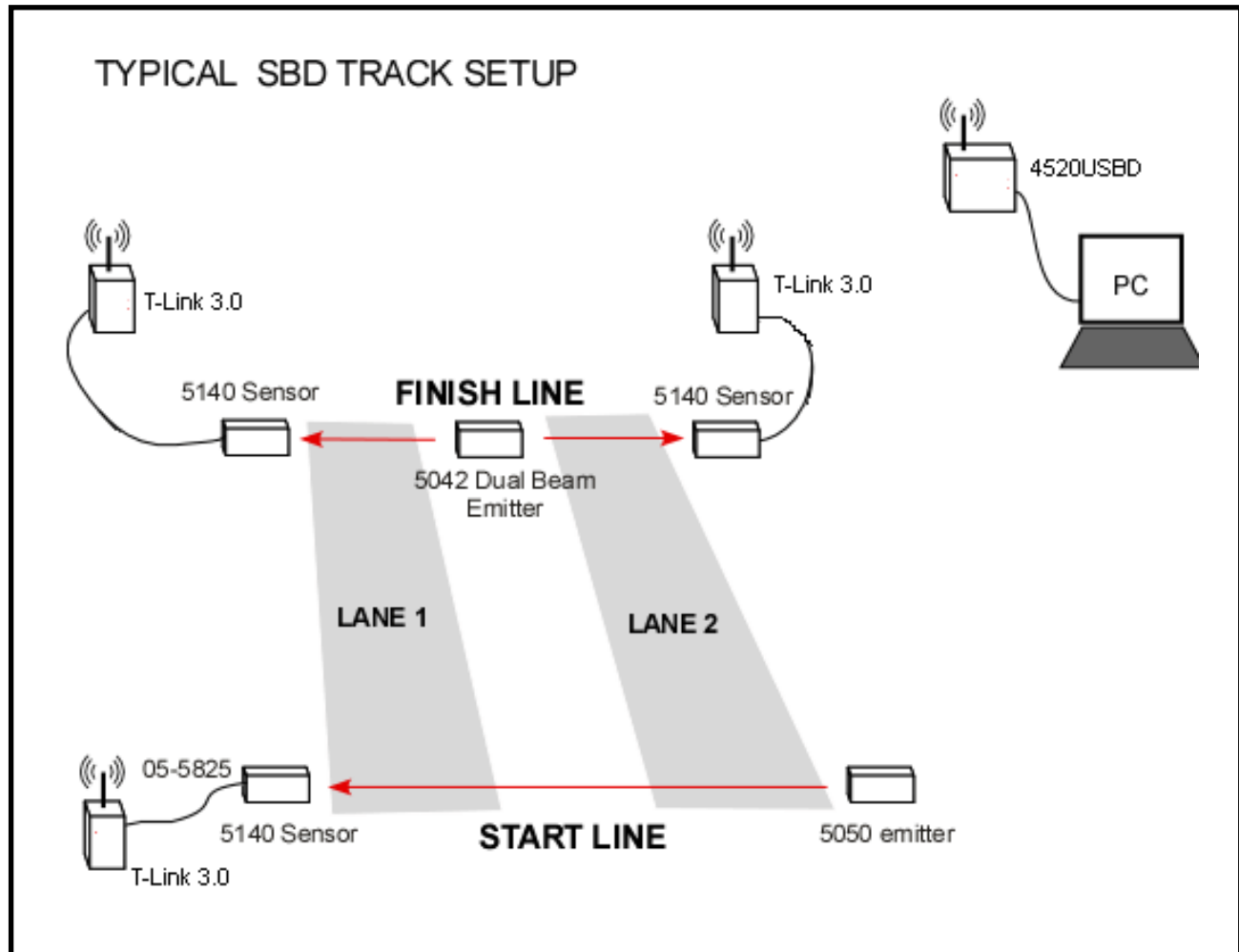
The Wireless SBD (Soap Box Derby) Timer replaces track cables normally used to connect track sensors to the timing system. Model 5842 T-Link3 units report sensor trips to a PC which can calculate Differential times, elapsed times and winning lane data. The wireless T-Link3 units operate over a wide range of conditions. Optimal conditions are line of sight between sending and receiving units and six feet of ground clearance. Range can exceed one mile. High gain antennas can be utilized for greater distances or noisy environments. Diagnostics such as Beam alignment, RF signal integrity, and T-Link3 Battery Level are available from the AxWareDerby PC software.

For more info go to: www.raceamerica.com/sbderby.html

For more track diagrams go to: www.raceamerica.com/sbdtrak.html

SOAP BOX DERBY
Timing Systems Comparison Chart

Product Name	Timer SBD	Wireless SBD
Model Numbers	**3220E**	**5842**
Wireless Track Cables	No	T-Link 3.0 Wireless
PC Required	Optional	Required
Differential Finish Timing	Included	Included
Elapsed Time per Lane	Optional	Optional
Number of Lanes *	2	2
Track Sensor Type	Hardwired	Hardwired to T-Link 3.0 Wireless
S/W Required	-	Yes
PC Software Name	AXWareDerby	AXWareDerby
PC Model Number	3122	3122
Race Management Features	add RM License	add RM License
Network Multiple PC's	add NW License	add NW License
LED Display Available	Optional	Optional
LED Display 8IN/20CM	pn 6860 6-digit	pn 6860 6-digit
LED Display 15IN/38CM	pn 6650 5-digit	pn 6650 5-digit
LED Display 24IN/60CM	pn 6450 5-digit	pn 6450 5-digit

Hardwired Finish Differential & Lane Elapsed Times
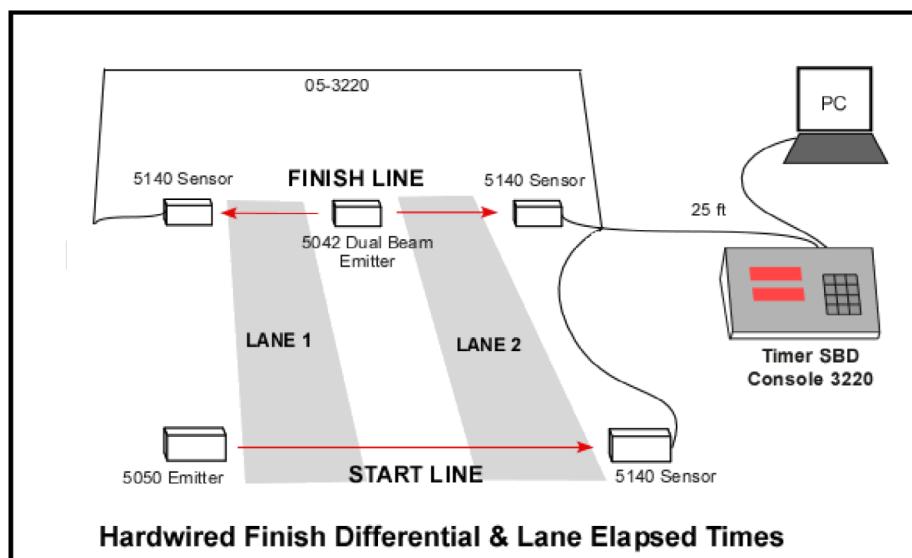
*4-Lane Timing available on request.

ELECTRONIC FLAGGING

Digital Safety Flags version 2

Sample Flags

NEW!

With a goal to maximize viewability and flexibility of a safety light product on a race track, RaceAmerica designed their own digital version incorporating industrial grade video panels. RaceAmerica updated this design developing RGB panels of their own. Full compatibility with existing RaceAmerica Track Safety Light product line is maintained by incorporating the functionality pf their PC control software. The result is our Digital Safety Flag product line designed for larger race tracks capable of displaying full fabric flag images. Now capable of storing up to 64 flag images.

DIgital Saefty Flags can be controlled centrally through the PC software and locally using pne pf two models of Hand Controllers hardwired to the light.

Digital Safety Flags can display all the traditional single color flags like red, green. blue, yellow and white as well as standard fabric flags and custom colors. Flags xan be configured to flash, or alternate with a car number or alternate with a second flag.

Digital Safety Flags are shipped preloaded with a set of standard race flags or can be customized to match the requirements of the race track.

For more info go to: www.raceamerica.com/dsf.html

Optional Hand Controllers

DIGITAL SAFETY FLAGS
Specifications

Product Name	<u>6715A</u>
Number of LED's	3072 Ultrabright
Colors resolution	1,024
Power	110VAC/230VAC 120W
Data Comm	IP Network RS 485 Wireless
Dimensions	33.5in H x 33.5in W x 3.5in D 85.1cm H x 85.1cm W x 8.9 D
Mounting	Horizontal or Vertical 4 sets of four 10-32
Optional Pipemount	Two 6760A (horizontal pipe) Two 6760A (vertical pipe)

ELECTRONIC FLAGGING

Intelligent Track Safety Lights

RaceAmerica's Intelligent Safety Lights provide the track owner with standard flag colors combined with the flexibility to design more eye catching flag displays. These Safety Lights combine ultrabright 4-color LEDs and multi-segment displays with flag animation and automatic switching between flags to deliver flags a driver will see but not be distracted.

For more info go to:
www.raceamerica.com/itsl.html

- **High Visibility using Ultrabright LED's**
- **Programmable Display Segments, 4-color LED's**
- **Selectable Flag Animations**

- **Wireless or Hardwired Communications**
- **Built-in Wireless Signal Monitor for Easy Setup**
- **Battery Powered or 110VAC/230VAC**

- **Control with Point & Click PC Screen**
- **Control direct from MyLaps Orbits software**
- **Control from Hand Controller iPhone App**

For portable racing applications, RaceAmerica Safety Lights can be attached to our Portable Stand and powered from the rechargeable battery pack located in the base. Package includes stand with integrated battery pack, recharger, and interconnect cable.

All RaceAmerica Safety Lights can be completely portable powered by one of our compact High Output Battery Packs. For more permanent installations, power can also be supplied by 110VAC/230VAC using one of our power adapters. Package includes battery pack, recharger, and interconnect cable.

For more info go to: www.raceamerica.com/itsl.html

ELECTRONIC FLAGGING

Intelligent Track Safety Lights

Model 6752 Extra Wide Track Safety Light
Double Wide Double High

For increased visibility and viewing at longer distances, Model 6752 is the extra wide version of our newest track lights. With 1,536 Ultrabright LEDs, this unit is perfect for long straightaways or those spots on hard to see corners. Control is accomplished with our Track Safety software or Wireless Hand Controller.

Model 6750 Tall Track Safety Light
Double High

Mount these lights horizontal or vertical on the track at each corner and on long straightaways. With 768 Ultrabright LEDs, brightness in never an issue and power is supplied through a 12VDC battery or 110VAC/230VAC power adapter. Control is accomplished with our Track Safety software or Wireless Hand Controller.

Model 6751A Track Safety Light
Standard

Smaller in size but not in performance designed for motocross, rallycross, quarter midgets, and karting tracks with a desire to automate flags around the track and protect their workers. With 396 Ultrabright LEDs, this safety light model has all the functionality of the larger units and delivers the attention getting flags in a smaller package. Control is accomplished with our Track Safety software or Wireless Hand Controller.

ELECTRONIC FLAGGING

Intelligent Track Safety Lights

Model 6770
Indoor Karting Safety Light Cube

Designed for wireless installation at indoor Karting facilities mounted with the custom Cradle Mount. The Cube contains an internal rechageable Lithium-Ion battery. Control is accomplished with our Track Safety software or Wireless Hand Controller.

Model 6728
Wireless Hand Controller
Control all the lights on track at the same time from thes handheld controller. Select from solid and flashing green, red and yellow. Checkered and white also included.

The internal battery is USB rechargeable within 2 hours and lasts for 140 hours on a charge. Lightweight and small enough to fit in the palm of your hand.

For more info go to: www.raceamerica.com/itslite.html

TRACK SAFETY LIGHTS
Comparison Chart

	Model 6752 Double Wide & High	Model 6750 Double High	Model 6751 Premium Height	Model 6770 Indoor Tracks
Number of LEDs	1,536 Ultrabright LEDs	768 Ultrabright LEDs	384 Ultrabright LEDs	96 Ultrabright LEDs
Segments	16 segments	8 segments	4 segments	1 segment
LED Colors	4 colors	4 colors	4 colors	4 colors
Power	10-14VDC 2.3A	10-14VDC 1.2A	10-14VDC 0.6A	Internal Battery
Optional Power	110/230VAC Adapter 6757B	110/230VAC Adapter 6757A	110/230VAC Adapter 6757A	
Data Comm	Wireless	Wireless	Wireless	Wireless
	IP Network	IP Network	IP Network	-
	RS422/485	RS422/485	RS422/485	-
Dimensions	H: 28.0in (711mm)	H: 28.0in (711mm)	H: 15.25in (387mm)	H: 6.5in (165mm)
	W: 16.0in (406mm)	W: 9.5in (241mm)	W: 9.5in (241mm)	W: 6.5in (165mm)
	D: 2.25in (57mm)	D: 2.25in (57mm)	D: 2.25in (57mm)	D: 3.75in (95mm)
Viewable	H: 26.0in (660mm)	H: 26.0in (660mm)	H: 13.25in (337mm)	H: 3.0in (80mm)
	W: 9.88in (251mm)	W: 5.0in (127mm)	W: 5.0in (127mm)	W: 5.0in (121mm)
	up to 2,000ft (610m)	up to 1,000ft (305m)	up to 500ft (152m)	up to 150ft (46m)
Mounting	Eight 10-32	Eight 10-32	Four 10-32	Cradle Mount
Optional Pipe mount	Two 6760A	Two 6760A	One 6760A	Pipe/Wall/Pole

ELECTRONIC FLAGGING

Track Safety PC Software

Setup and Operational Features

CONFIG FLAGS
Configure 16 unique multi-color animated flags to meet the racing event needs.

CONFIG LIGHTS
Configure 16 Track Safety Lights on the track and 3 spare Lights for backup use.

TRACK SETUP
Design the screen to match your track. Load a graphic image of your track, rotate, group, and Drag & Drop Safety Lights onscreen at each turn.

RUN EVENT
Run the practice session and race event from the PC screen. Control Safety Lights individually, in groups, or the entire track.

RF MONITOR
Live measurement and monitoring of the actual RF signal strength received by each Safety Light. No special equipment required.

For more info go to:
www.raceamerica.com/tssw.html

ELECTRONIC FLAGGING

DRIVER TRAINING NEW!
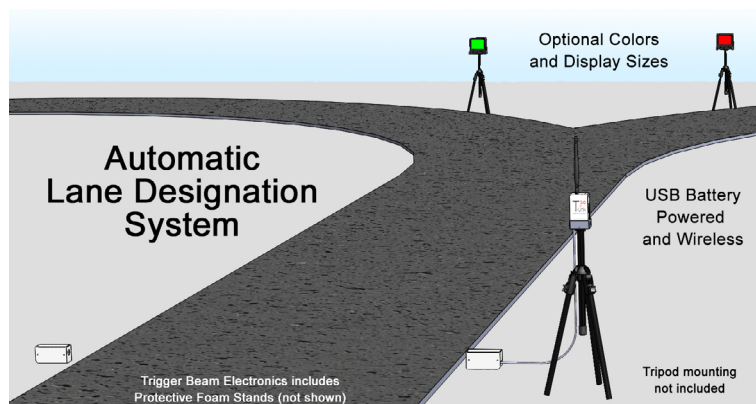
Model 3700
Automatic Lane Designation

For the driver training programs requiring quick decision by the driver to select a specific direction. This automatic system utilizes the same electronics as our timers with an infrared beam streached across a lane connected to a T-Link Wireless 3.0.

When the vehicle blocks the beam, the system consistently selects a random lane and illuminates the two 6770 Safety Cubest o designate which lane to drive towards. System clears after 7 seconds for the next vehicle. All hardware is USB rechargable and completely portable.
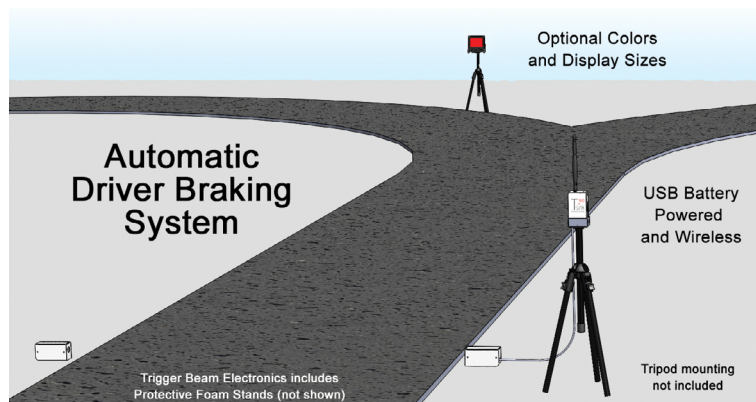
Model 3701
Automatic Driver Braking

For the driver training programs requiring quick decision by the driver to apply the brakes when signalled. This automatic system utilizes the same electronics as our timers with an infrared beam streached across a lane connected to a T-Link Wireless 3.0.

When the vehicle blocks the beam, the system delays a consistent amount of time then illuminates the 6770 safety cube to signal the driver to apply the brakes. System clears after 7 seconds for the next vehicle. All hardware is USB rechargable and completely portable.

ELECTRONIC FLAGGING

RACE TRACK EQUIPMENT
Oval, Road Course & Special Event Equipment

Black Flag and Lap Count Displays

Wireless 3-digit LED Displays
Available in 15in/38cm digits and 24in/61cm digits The Ultra-bright LED's are easily viewable up to 600ft/205m for the smaller display and 1,000ft/305m for the larger display.

Black Flag Displays can interface with RaceAmerica's Track Safety Software, a Wireless Hand Controller, or standalone software from RaceAmerica.

Lap Count displays can interface with popular transponder software, the Wireless Hand Controller (at left), or standalone control program from RaceAmerica.

IP Network 30digit LED Display
Available in 15in/38cm digits and 24in/61cm digits The Ultra-bright LED's are easily viewable up to 600ft/205m for the smaller display and 1,000ft/305m for the larger display.

Multiple 3-digit Black Flag Displays can be installed around a race track and controlled from the tower by PC software. Communications is handled by the IP network installed around the race track and connects to one of our IP TrackNet interface modules to link each display to the network. The Black Flag display contains three 15in/38cm tall Ultrabright LED digits viewable 600ft/183m away.

ELECTRONIC FLAGGING

Race Track Starting Lights

FIA-style Model 6790F
The FIA-style Starting Lights offers the same start, abort, restart, and practice indications as full size models for tracks requiring a smaller package. A single enclosure holds two rows of five 6in/150mm diameter lamps and is programmed to operate start, abort, and reset from a single handheld pushbutton in conjunction with a connection to the track's network and controlled remotely from PC control software. The software is designed with all standard FIA sequences for starting, restarting, aborting, and practice
as well as individual control of each color as solid or flashing to match the tracks race program needs.

CIK-style Model 6790G
The CIK-style Starting Light consists of ten 6in/150mm diameter lights on two rows in a single enclosure. Each lamp is designed with 108 Ultrabright red or green LED's with flexible lamp color layout to meet standard and custom lamp patterns and operation. Press to start the standing start incrementing reds pattern, press to start with greens.
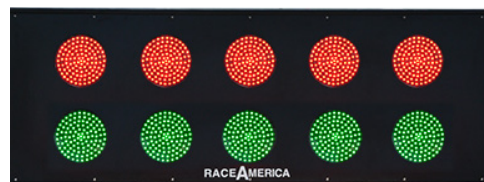
CIK-FIA Model 6790N
The CIK-FIA Starting Light for karting tracks consists of ten 6in/150mm diameter lights on two rows in a single enclosure. Each lamp is designed with 108 Ultrabright red or yellow LED's with flexible lamp color layout to meet standard and custom lamp patterns and operation. Press to start the incrementing red sequence with top and bottom illuminating. Press to abort with flashing yellow.
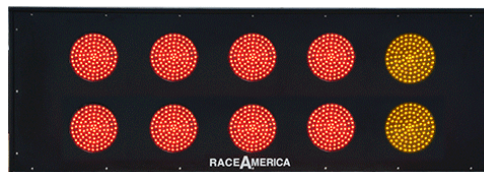
Karting Australia Model 6790KA
The custom Starting Light consists of ten 6in/150mm diameter lights on two rows. Each lamp is designed with 108 Ultrabright red or yellow LED's with flexible lamp color layout to meet standard and custom lamp patterns and operation. Standing Start and Rolling Start functions opearted from a Hardwired Hand Controller.
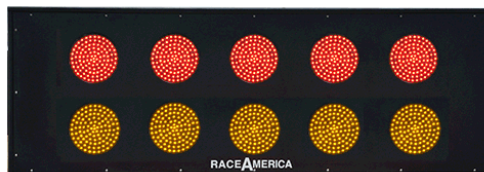
ELECTRONIC FLAGGING

4525 Network Antenna

NEW!

4525 Network Antenna

Wireless EFS systems have always been limited to 16 iights on track while network connected EFS systems cab control up to 32 lights.

With the introduction of the 4525 series of Network Antennas, RaceAmerica extends the wireless EFS systems to a amximum 32 lights on track. The EFS lights retain the convenience of wireless communications while the PC communicates through the tracks's IP network. The 4525 converts between the track's IP network and the two sets of wireless lights.

Attempting to communicate to wireless lights on a large race track requires high gain antennas in some spots farthest from the tower. With the 4525, the main antenna can be located closer to the lights by dividing the track in half and placing a pair of 4525's.

Models 4525IPA1 and 4525IPA2 are designed for the track with an EFS system of all Track Safety Lights.

Models 4525IPA3 and 4525IPA4 are designed for tracks with an EFS system made up of Digital Safety Flags or a combination of TSLs and DSFs.

The EFS management software has been updated to include a third communication mode when using a Network Antenna. The screens are customized to match the unique addressing of two sets of wireless light working to form a 32 light wireless EFS system.

Race Track Starting Clock

Starting Clock Model 6632SCRT

Model 6632SCRT is designed as a starting clock with both count up and count down modes. For count up, the stop time is configured and stored with a range from 1 minute to a maximum of 9 hours 59 minutes. For count down, the starting time is configured and stored with a range of 1 minnute to a maximum of 9 hours 59 minutes. Simple operation from a single handheld pushbutton, press once to start the time counting, press again to stop. Press again to reset and start over. Digits are red Ultrabright LED 15in/38cm tall digits viewable in full sunlight up to 660ft/205m.
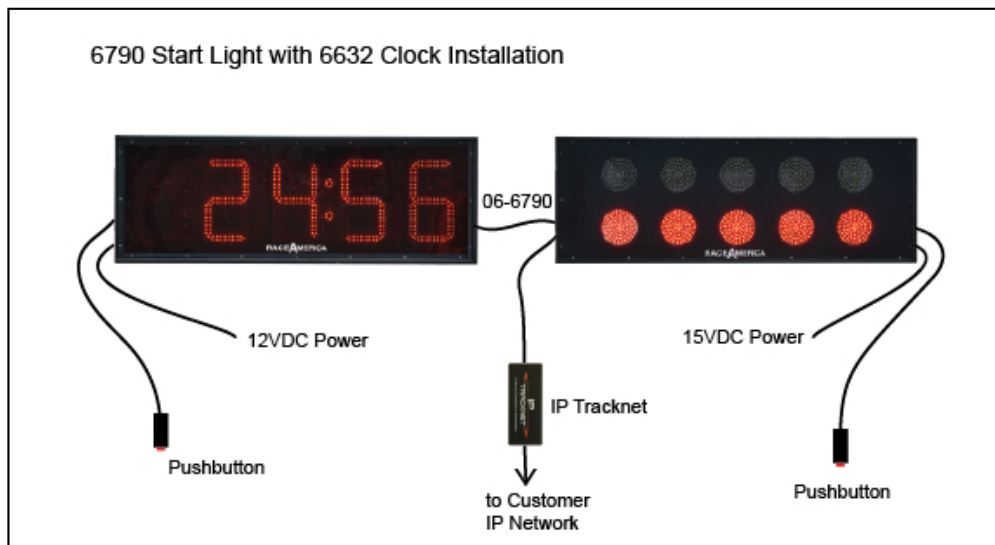
Installation of 6632SCRT with 6790F Starting Light

When the 6632SCRT Starting Clock is installed with the 6790F Starting Light, the Start Clock retains all the manual count up and count down functions. When utilizing one of the Start Light's FIA-style timing sequences, the Start Clock displays the 15 minute, 10 minute, or 3 minute start time at the start of the sequence selected for the Starting Light. As the Starting Light progresses through the start sequence, the Start Clock counts down as a visual indication of time remaining. Upon a Starting Light restart, the Starting Clock displays the appropriate FIA timing.

RACE TRACKS

Wireless Race Track Scoreboards

Portable and Semi-Permanent

Horizontal Wireless LED Scoreboards

RaceAmerica's Horizontal Race Track Scoreboards with 5 inch (13cm) and 8 inch (20cm) tall LED digits are designed to display race results wirelessly from the timing booth. These scoreboards can be controlled directly from a PC running MyLaps Orbits Race software or from RaceAmerica's standalone Board Control utility program as well as several other race software programs. Horizontal Scoreboards are available to display the Top 5 Positions and Lap Number and optional Qualifying Times.

For more info go to: www.raceamerica.com/tpscor.html

Vertical Wireless LED Boards

RaceAmerica's Vertical Race Track Scoreboards with 5 inch (13cm) and 8 inch (20cm) tall LED digits are designed to display race results wirelessly from the timing booth. These scoreboards can be controlled directly from a PC running MyLaps Orbits Race software or from RaceAmerica's standalone Board Control utility program as well as several other race software programs. Vertical Scoreboards are available to display Lap Number, Top 5 or Top 10 Positions, and optional Qualifying Times.

For more info go to: www.raceamerica.com/tpscor.html

Large Permanent Install Scoreboards

Vertical and Horizontal Wireless LED Scoreboards

RaceAmerica's Race Track Scoreboards with 24 inch (61cm) tall LED digits are designed to display race results wirelessly from the timing booth. These scoreboards can be controlled directly from a PC running MyLaps Orbits Race software or from RaceAmerica's standalone Board Control utility program as well as several other race software programs. For those tracks who also own RaceAmerica's 3905 LapTimer, the Qualifying Lap Times can be sent to these scoreboards for every lap. Vertical Scoreboards are available to display Lap Number, Top 5, 10, 15 or 20 Positions, and Qualifying Times in several cabinet formats to match your track.

For more info go to: www.raceamerica.com/tpscor2.html

64835A
Verticle 5-Position
with 6483LT Lap/Time

64830A
Vericle 10-Position
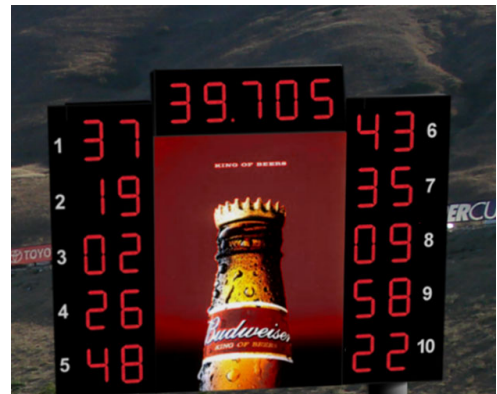
64830B
Vericle 10-Position
with 6483LT Lap/Time

64635A
Horizontal 5-Position
with 6483LT Lap/Time
and Media Panels

NEW!
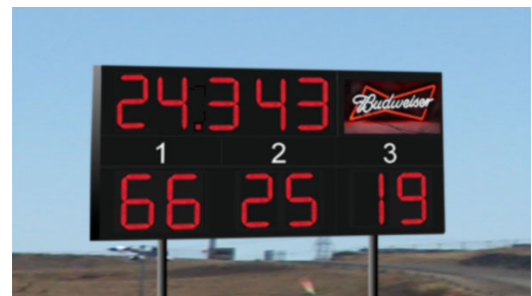
64636A
Horizontal 3-Position
with 6483LT Lap/Time
and Media Panel

RACE TRACK
Scoreboards
Comparison Chart

WIRELESS PORTABLE AND SEMI PERMANENT - 8IN/20CM DIGITS

Horizontal Scoreboards

	pn 6880	pn 6881
Current Lap	Yes	Yes
Qualifying Time	Yes	-
Vehicle Positions	Top 5	Top 5
Digit Size	8in / 20cm	8in / 20cm
Internal Wireless	Yes	Yes

Vertical Leader Boards

	pn 6882T	pn 6882A
Current Lap	Yes	Yes
Qualifying Time	Yes	-
Vehicle Positions	Top 5	Top 5
Digit Size	8in / 20cm	8in / 20cm
Internal Wireless	Yes	Yes

WIRELESS PERMANENT INSTALLATION - 24IN/61CM DIGITS

Horizontal Scoreboards

Part Number	Number of Positions	Position Digits Location	Number of Digits	Add Combo Time/Lap Media Panels
64630A	10	Above	2	6463LT
64635A	5	Above	2	6463LT
64636A	3	Above	2	6466LT

Vertical Leader Boards

Part Number	Number of Positions	Position Digits Location	Number of Digits	Add Combo Time/Lap Media Panels
64834A	20	Above	2	6483LT
64833A	15	Above	2	6483LT
64830A	10	Above	2	6483LT
64830B	10	Above	2	6483LT
64835A	5	Above	2	6483LT
64836A	3	Above	2	6483LT
64850A	10	Above	3	6483LT
64855A	5	Above	3	6483LT

Lap Timers *Single Vehicle Timers*

Display Timer - L Series

RaceAmerica's L-series Display Timers combine the timing accuracy and precision of our most popular Elapsed Time Timing Systems with the crowd pleasing presentation of one of our Large Digital Displays, all in one package. This Display Timer is available in up to a 6-digit live counting timer displaying seconds to a thousandth of a second in 5", 8", 15" or 24" tall display digits. The LED display continuously displays the current lap time counting live at 0.001 second intervals. On each lap when the vehicle 'breaks' the starting line timing beam, the display freezes the lap time and holds the lap time for the crowd to view. After the user configured 'hold time' expires, the display updates to the current timing of the current lap. Power can be supplied to the timer from any 12 volt DC power source or by using the optional 110 volt AC Adapter.

For more info go to: www.raceamerica.com/dtlt.html

3905 Lap Timer

RaceAmerica's model 3905 Laptimer is designed for timing single vehicle lap timing events like Maniac Runs and Time Trials. The 3905 Laptimer can time and store up to nine laps for a vehicle and recall each lap time to the LED display on the console. Vehicle Numbers can be entered into the 3905 Laptimer for later recall and printing. Vehicle Number, Lap Numbers, and Lap Times can be printed to an optional Timeslip Printer and each lap time can be sent to an optional LED Digital Display after each lap is completed. The 3905 Laptimer package includes a 100 foot cable to connect the console in the tower to the track electronics on the track. The 3905 Laptimer ships with model 5040 track electronics designed for a 50 foot wide track. For the wider tracks, RaceAmerica offers higher powered Beam Emitter track electronics.

For more info go to: www.raceamerica.com/3905main.html

RACE TRACKS
Timing Systems Comparison Chart
SINGLE VEHICLE TIMERS

LAP TIMING COMPARISON CHART

Product Name	LapTimer	Display Timer
Model Numbers	3905	6x32L/5x32L
Wireless Track Cables	No	No
PC Required	Optional	Optional
Elapsed Time	999.999 max	999.999 max
Number of Lap Times Store	9 max	1 max
Number of Cars on Track	1 max	1 max
Track Sensor Type	Hardwired	Hardwired
S/W Required		
PC Software Name	AXWareET	AXWareET
PC Model Number		
Network Multiple PC's	add NW License	add NW License
LED Display Available	Optional	Included
LED Display 8IN/20CM	pn 6860 6-digit	pn 6832L 6 digit
LED Display 15IN/38CM	pn 6650 5-digit	pn 6632L 5 digit
LED Display 24IN/60CM	pn 6450 5-digit	pn 6432L 5 digit

S-Trap Timers

Speed Trap detection is available in hardwired and wireless configurations. Depending on your application you can incorporate data capture with a PC and show results using RaceAmerica's electronic displays. For standard speed detection layouts see the track diagrams at www.raceamerica.com/sptrak.html

3230C S-Trap (Standalone Hardwired System)

RaceAmerica designed the S-Trap Speed Detection Timing System to meet a wide variety of speed detection applications. Rugged enough for snowmobile winter speed run applications and versatile enough for water sports applications where bi-directional speed detection is a requirement. Combined with RaceAmerica's wide selection of InfraRed Beam Emitters, lane widths can be from 50ft to 250ft wide.

For more info go to: www.raceamerica.com/spdtrap.html

WIRELESS - The heart of the Wireless Speed Trap is our 5843 T-Link 3.0 unit; the latest technology combining proven industrial level wireless communications with precision timing electronics.

Wireless S-Trap Model 6830DW Displays

For a complete standalone, unattended Speed Trap system, combine our 5843 T-Link3 with one of our Wireless Speed Trap Displays available with 8in/20cm, 15in/38cm and 24in/61cm digits. The 5843 T-Link3 manages the speed detection while the Wireless Speed Trap Display immediately shows the measured speed to the crowd. Utilize multiple displays for more than one crowd location. Speed trap status is displayed on the display and each measured speed is displayed immediately after the vehicle exits the speed trap. The speed is displayed for the preconfigured time, then clears ready for the next run.
For more info go to: www.raceamerica.com/spdmain.html

System Flexibility - Add PC Speed Trap Software

Place your Wireless Speed Trap Displays in front of the crowds - Place your PC in the tower. The Wireless 5843 T-link3 Speed Trap can be connected to your PC running the AXWareSpeed Trap Software using our Wireless Data Comm Link. The AXWareSpeed is Windows based offering driver registration, starting line grid with immediate ranking of each run, flexible on-screen class and driver level sorting and reporting, and data storage to your PC's hard drive. With our exclusive wireless technology you can place multiple displays anywhere you need them allowing the tower to concentrate on the current and next run.

SPEED TRAP
Timing Systems
Comparison Chart

Product Name	Hardwired S-Trap	Wireless S-Trap Standalone Display	Wireless S-Trap PC-Based
Model Numbers	3230E	6x30EW	5830
Wireless Track Cables	No	T-Link Wireless	T-Link Wireless
PC Required	Optional	Optional	Required
Speed Detection (MPH)	400.00 max	400.00 max	400.00 max
Speed Detection (Km/H)	400.00 max	400.00 max	400.00 max
Number of Cars on Track	1 max	1 max	1 max
Track Sensor Type	Hardwired	T-Link Wireless	T-Link Wireless
S/W Required	-	-	Yes
PC Software Name	AXWareSpeed	AXWareSpeed	AXWareSpeed
PC Model Number	3123	3123	3123
Network Multiple PC's	add NW License	add NW License	add NW License
LED Display Available	Optional	Included	Optional
LED Display 8IN/20CM	pn 6860	pn 6830EW	pn 6830EW
LED Display 15IN/38CM	pn 6650	pn 6630EW	pn 6630EW
LED Display 24IN/60CM	pn 6650	pn 6430EW	pn 6430EW

Wireless Speed Trap Display and/or PC
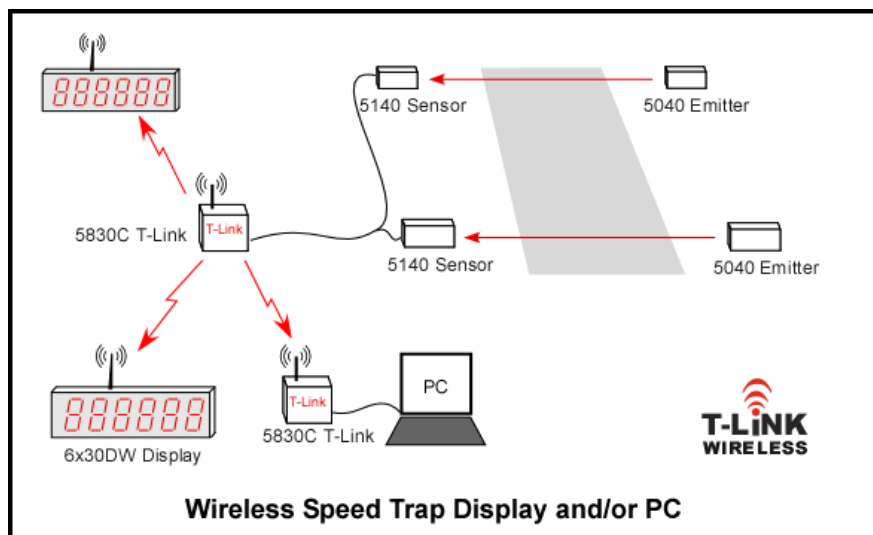
See typical speed trap layouts at www.raceamerica.com/sptrak.html

Live Counting Displays
Timing for Everything

5" Digits   8" Digits   15" Digits   24" Digits

The displays can be run in several different modes:
- Stopwatch – For manual stopping and starting
- Countdown – Count backwards toward your next activity
- Count UP Mode – Start at 0:00:00 to know how long it takes
- Clock – You will not miss the time on these extra-bright displays

With pushbuttons the displays are easily programmed.

Stopwatch and Countdown Display Timers - SC Series
Need a clock to time events lasting up to an hour long with a Live Counting Display Clock? RaceAmerica's Stopwatch Countdown Display Timers are live counting timers displaying elapsed time. These combination timer and display are available in 24 inch, 15 inch, 8 inch, and 5 inch tall Ultra-Bright LED digits. These are no ordinary LED's. By incorporating the latest LED technology, RaceAmerica's Timer Displays can be seen clearly with full sunlight shining directly into the front of the scoreboard!

The SC series is available in 6-digit and 5-digit models tuned to your timing needs. With a simple press of a Handlheld Starter's Button, these Display Timers start the clock counting. A second press of the Starter's Button stops the clock.
For more info go to: www.raceamerica.com/dtupdn.html

Display Timers
- L-Series Lap Timers see page 28
- E-Series ET Timers see page 13

LIVE COUNTING DISPLAYS

Comparison Chart

LIVE COUNTING DISPLAYS COMPARISON CHART

Digit Height (in.)	5	8	15	24
Digit Height (cm.)	13	20	38	61
Number of Digits (x)	4	6	5	5
Stopwatch Count Up/Down	pn x432SC	pn 6832SC	pn 6632SC	pn 5432SC
Lap Timer	pn 4532L	pn 6832L	pn 6632L	pn 5432L
Elapsed Time	pn 4532E	pn 6832E	pn 6632E	pn 5432E
Data Comm (L & E models)	RS232	RS232	RS422/RS485	RS422/RS485
Optional Data Comm	RS422/RS485	RS422/RS485	-	-
Track Sensors (L & E models)	Hardwired	Hardwired	Hardwired	Hardwired
Display Dimensions (in.)	11.5x29.63x3	14.25x46.75x3	22.25x64x4	29x112.5x4
Display Dimensions (cm.)	29.2x75.3x7.6	36.2x118.7x7.6	56.5x162.6x10.2	73.7x285.8x10.2
Internal Wireless Option	Yes	Yes	Yes	Yes
DC Power Requirements	12VDC	12VDC	110/230VAC	110/230VAC
AC Power Option	pn 6501	pn 6501	Included	Included

T-LINK 3.0 Wireless Solutions
Reliable, Dependable, Accurate to 0.001 Wireless Solutions!
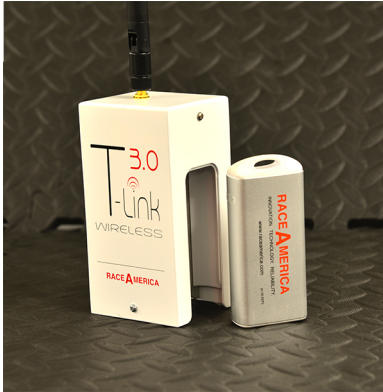

T-Link 3.0 Wireless
RaceAmerica focused on advancing the highly reliable T-Link Wirelesss technology to create the T-Link 3.0 Wireless, the next generation of wireless timing products. T-Link 3.0 Wireless is smaller, lighter, more powerful, removable USB Lithium-Ion Battery Pack, and at a lower cost when compared to the T-Link product line.

Model 5840
Model 5840 T-Link Wireless is designed to connect to external Track Sensors using a short interconnect track cable allowing the T-Link unit to be positioned out of harm's way up to 25 feet from the track.
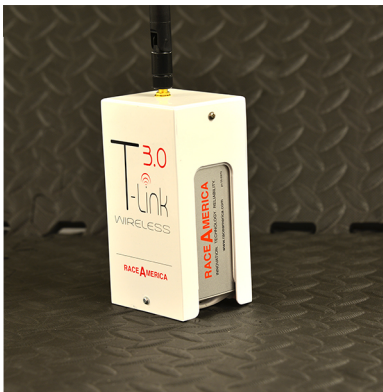
Model 5842
Model 5842 Wireless Soap Box Derby is designed to create a wireless between the PC and the T-Llink at the start line and the finish line Eliminating the long cables running from start to finish lines. PC software provides race management, staging and official SBD national competition ladders.

Model 5843
Model 5853 Wireless Speed Trap is designed to connect to two Track Sensors to form a speed trap zone for speed measurements. Power to both Track Sensors is supplied by the 5843 T-Link Wireless unit and speed transmitted back to the tower and speed displays.

For more info go to: www.raceamerica.com/tlink3.html

Lose the Cable, Keep the Connection!

T-LINK WIRELESS

Comparison Chart

T-LINK WIRELESS COMPARISON CHART

Product Name	T-Link	T-Link2	T-Link 3.0
Features			
Wireless Output	100mW	250 mW	250 mW
Status Readout	3 Red LEDs	Red/Green LED	Red/Green LED
Mounting	-	1/4-20 on bottom	Option Mount Pole/Wall/1/4-20
Low Battery Warning	-	Yes	Yes
Low Battery Project	-	Yes	Yes
Performance			
Run Time (Autocross)	44 hours	34 hours	50 hours
Run Time (Drag)	42 hours	39 hours	45 hours
Run Time (Mud Bog)	44 hours	34 hours	50 hours
Full Recharge Time	6 hours (min)	1.5 hours	8 hours (max)
Power Source			
Battery Capacity	60 WH	29 WH	24 WH
Battery Type	Sealed Lead Acid	Lithium-Ion	Removable Battery
Power Protection	Resettable Fuse	Resettable Fuse	Over/Under Charge
Charger	12VDC	9.6VDC	USB cable
Charger Port	2.5mm	2.1mm	on Battery Pack
Enclosure Specs			
Height	5.9in/149.2mm	4.6in/115.9mm	5.2in/115.9mm
Width	6.9in/174.6mm	5.2in/131.8mm	2.8in/131.8mm
Depth	3.1in/77.8mm	2.4in/60.3mm	2.4in/60.3mm
Weight	5.4lbs/2.4kg	1.3lbs/0.6kg	0.8lbs/0.4kg
Comparison to T-Link			
RFOutput Power	-	150% more	150% more
Recharge Time	-	4x faster	Swap Battery Pack
Dimentions	-	55% smaller	55% smaller
Weight	-	76% lighter	90% lighter

NOTE: Results above are lab testing of equal models for comparison of estimated product performance

4520 Wireless Data Comm Links

NEW!

4520 RF Link Units

4520 Series Wireless Communication Links
RaceAmerica took the knowledge pf previous wireless models and created the new 4520 series of wireless controllers.

4520BU is used for general PC to wireless connections. No external power required, power is supplied to the 4520BU through the USB interface cable to the PC.

4520UIDZ is the replacement for the IDZ T-Link. This units now connect to the USB interface to the PC and the full functions and direct replacement for the previous IDZ units.

4520USBD is the replacement for the IDZ T-Link used in our Soap Box Derby wireless systems. With USB interface to the PC, this unit offers the full functionality of the IDZ used for SBD applications..

RaceAmerica offers Wireless Data Communications Links on all our Timers, Scoreboards, Printers and even your PC, making setup even easier. These wireless units are pre-configured at RaceAmerica's factory for optimum operation and high resistance to RF and ignition interference. Capable of operating with timing applications separated by thousands of feet, these convenient units can operate from 12VDC, 110VAC, and 230VAC or draw power directly from one of RaceAmerica's Scoreboards and Large Displays.

For more info go to: www.raceamerica.com/wireless.html

APPS

iPhone/iTouch/iPad Apps

Entertainment Apps for the iPhone

Drag LITE
Standalone Reaction Time Practice Game for the iPhone

The lite version of Drag PRO with 1 or 2 player and Full or Pro tree starts. Check it out and if you like it, maybe the PRO version is for you.

Drag PRO
Standalone Reaction Time Practice Game for the iPhone

Why spend $200 on a little plastic box to practice your reaction time? One of the most realistic apps simulating the RT Practice boxes on the market today - now in your iPhone!

PuzzleMate
Make your own puzzles for children & adults on the iPhone/iTouch.

A flexible puzzle maker for the iPhone made for children as well as adults Select from 8 to 104 puzzle pieces and add a colorful border to define the edge pieces. Use an existing photo or take a new photo with the built-in camera.

Entertainment Apps for the iPad

XLDrag LITE
Standalone Reaction Time Practice Game for the iPad

The lite version of XLDrag PRO with 1 or 2 player and Full or Pro tree starts. Check it out and if you like it, maybe the PRO version is for you.

XLDrag PRO
Standalone Reaction Time Practice Game for the iPad

Why spend $200 on a little plastic box to practice your reaction time? One of the most realistic apps simulating the RT Practice boxes on the market today - now in your iPad!

PuzzleMateHD
Make your own puzzles for children & adults on the iPhone/iTouch.

A flexible puzzle maker for the iPad made for children as well as adults. Select from 8 to 280 puzzle pieces and add a colorful border to define the edge pieces. Use an existing photo or take a new photo with the built-in camera.

ForMy3YrOld
Entertain and educate your little ones with your iPad

Do you use your iPad to keep those little ones busy and entertained? Then, ForMy3YrOld is the app for you! As they interact and build the colorful puzzle section, their creative side develops. On the interactive side, a multitude of touchy, flashy, moving games educate and entertain.

Race Track Apps for the iPhone

TrackSafety
Hand Control for RaceAmerica's Intelligent Track Safety Lights

Hand Control App for Race Tracks & Race Circuits to control RaceAmerica Track Safety Lights in conjunction with the Track Safety PC Software from RaceAmerica Timing Systems. iPhone/iTouch/iPad compatible. For more info go to: www.raceamerica.com/slc2.html

MyLapScore
View and store live race laps on the iphone

Nothing worst than attending a race and not knowing who's in the lead or how well your favorite driver is doing. Get informed, with MyLapScore, live standings are displayed on every lap.

Race Track Apps for the iPad

TrackSafety
Hand Control for RaceAmerica's Intelligent Track Safety Lights

Hand Control App for Race Tracks & Race Circuits to control RaceAmerica Track Safety Lights in conjunction with the Track Safety PC Software from RaceAmerica Timing Systems. iPhone/iTouch/iPad compatible. For more info go to: www.raceamerica.com/slc2.html

TrackSafetyEX
Hand Control for RaceAmerica's Networked Track Safety Lights

Hand Control App for Race Tracks & Race Circuits to control RaceAmerica Networked Track Safety Lights in conjunction with the Track Safety EX PC Software from RaceAmerica Timing Systems.

XL Register
Driver Registration for the XLscore PRO Race Management PC Software

Used in conjunction with our drag racing XLscore PRO Race Management PC Software to provide a convenient handheld real-time driver registration and lookup. Multiple iPad can be used to register drivers simultaneously.

MyLapScore
View and store live race laps on the iphone

Nothing worst than attending a race and not knowing who's in the lead or how well your favorite driver is doing. Get informed, with MyLapScoreHD, live standings are displayed on every lap and stored for review after the heat is over.
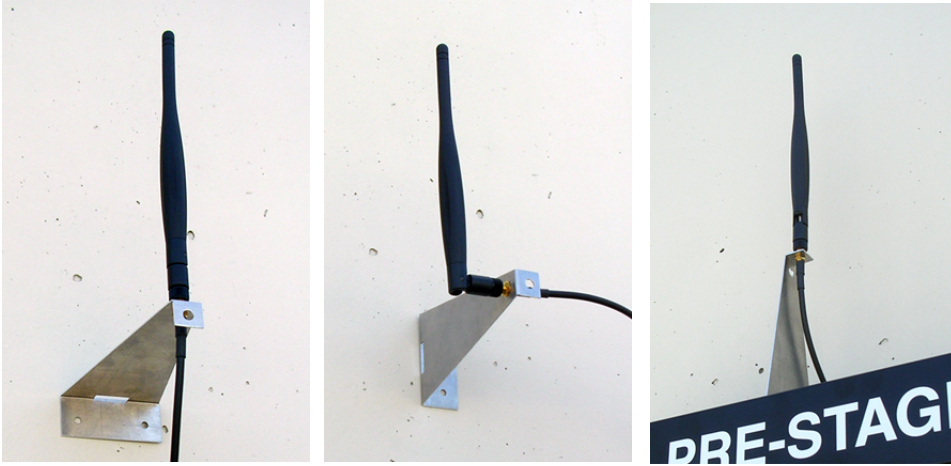
XLstageHD
Staging Queue for the XLscore PRO Race Management PC Software

Used in conjunction with our drag racing XLscore PRO Race Management PC Software to provide a handheld tool to build the staging queue. A single iPad is used at the start line to record drivers in a continuously changing staging queue.

Wireless Solutions Antenna Options

Outside Antenna Mount Kit

Model# 4591A

For installations where wireless equipment is located inside a tower or building, relocating the standard Rubber Duckie antenna to the outside a building will increase signal strength and extend the distance between wireless units. This kit consists of a Universal Mounting Bracket and 20 foot Antenna Extension Cable. The Univeral Mounting Bracket is attached to the outside of the tower to allow line-of-sight with the wireless units on the track.
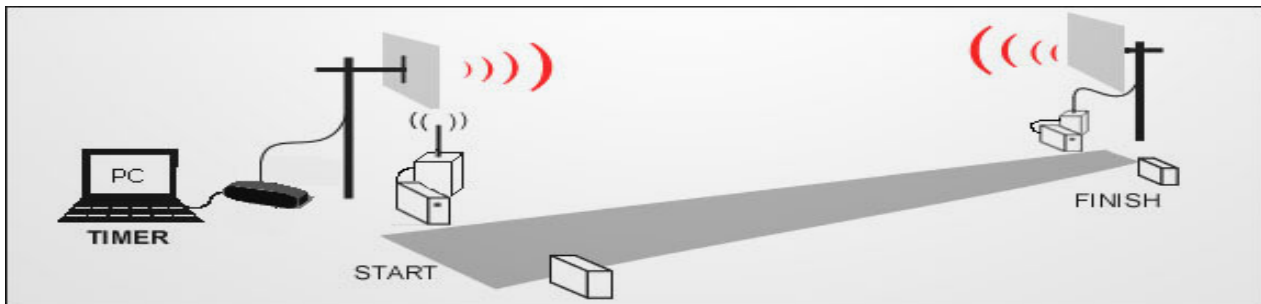
Extended Range Antenna Kit

Model# 4590B

When distances become too large for the standard Rubber Duckie antennas and elevating them does not provide for adequate signal strength, higher gain antennas are used. The Extended Range Antenna Kits consist of a 12dBi gain Flat Panel antenna and a 20 foot Antenna Extension cable with matching connectors. The Flat Panel antennas are highly directional and designed to be mounted to a vertical post to aid in the aiming of the antenna.

NEW!

Dot Matrix Printer Package
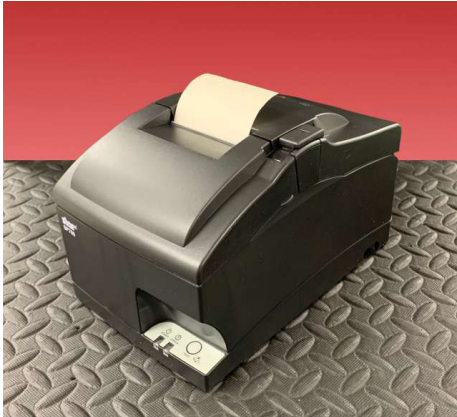
Model 6042 Dot Matrix Printer Package

This 40-column Dot Matrix Printer ships from RaceAmerica with the built-in 110VAC/230VAC power supply.
The printer uses a standard 1/2" wide ribbon to produce clean, crisp characters on 3-1/2"" wide continuous feed paper available at any office supply store. Drop a paper roll in, close the cover and paper automatically loads.

Model 6042S serial interface Printer Package includes the printer, two rolls of paper, serial interface cable and power cord.

NEW!

Desktop Super Charger Docking Station

Model 5500 USB Battery Charger

This charger is not like other multi-port chargers, it consists of eight individual chargers in one package. The advantage is the same charging power for a single battery as for 8 batteries - no loss of power as you add batteries. Place one of the new USB Battery Packs in this charger and leave it overnight. Store spare batteries fully charged in the charger without damage to the battery from trickle overcharging.

The perfect solution to always having a spare fully charge backup battery pack.

Transportation & Storage

Model 6070 Timer Carrying Case

RaceAmerica Blow Molded Carrying Case with custom foam inserts can hold the Timer console and the IR Sensors and Emitters to protect them between events. The Carrying Case can also accomodate the printer, printer cable, spare roll of paper, AC Adapters for the timer and the large display, and DC power cables. The best protection offered for the timing equipment is a foam filled custom carrying case fitted to the equipment.

Model 6076 8" Display Carry Case

The 8" Display Carry Case is ideal to protect your Large Digital Display or Scoreboard investment. To protect your investment, this custom heavy duty carry case doubles as a shipping case. With all metal reinforced corner and edges, all metal hinges, locking latches, and custom high density foam inserts, this case will protect the scoreboard or display from damage, impacts, and vibration. The carry case makes sense, especially if the display is stored away between events.

Softside Carry Cases

This Carry Case has a soft fabric shell encasing one inch of foam all around the Display. Light weight but very effective for the size of the Display.
Model 6077 for 8" displays.

Model 7540 Sensor & Emitter Foam Stands

RaceAmerica IR Beam Emitters and IR Track Sensors are designed to be positioned flat on the road surface with the beam 1" off the race surface. If the racing surface has a severe crown or if your preference is to elevate the Emitter and Sensor to detect the body of the vehicle and protect the electronics, our new Foam Stands make it easy to set the beam at 6" off the race surface. These stands can be used for both Emitters and Sensors with easy assembly. Model 7540B Foam Stands are designed for Beam Emitter models 5040, 5058, and 5042; Track Sensor models 5140 and 5158.

Cable Management

Model 6080 Cable Bucket Winder

The Model 6080 Cable Bucket Winder makes cable management a whole lot easier by eliminating tangles and knots. The unique features of the bucket allow both ends of the cable to be exposed so you can unwind just the right amount of cable for the particular setup or unwind all the cable and set the bucket aside. Each Bucket Winder will accomodate 660' of our heavy duty track cable.

Model 6085 Cable Reel Winders

The Model 6085 Cable Reel Winder handles all the Category 5 style cables up to 300 feet. Even wind multiple cables on the same winder. Perfect to insure setup and teardown are quick, easy, and cause no damage to the cables.

Track Sensors & Infra-red Beam Emitters

5140/5158
Track Sensor

5040/5058/5050
Beam Emitter

Dual Beam
Pre-Stage/Stage

Dual Beams Stage/Guard

Tri-Beams - PreStg/Stg/Guard

5060 Super Emitter

RaceAmerica Infra-red Sensors overcome the problems with sunlight and alignment common with many photocell or low tech infra-red solutions. Other manufacturers use photocells which are very sensitive to sunlight and work poorly in bright sunlight. Other manufacturers also use more expensive laser powered beam emitters which generate a bright light to their low tech IR sensors. These seem to work if the sensors are shaded well from sunlight but often are intermittent when running a race event. While others purchase their sensors from outside sources, RaceAmerica's Infra-red Track Sensors were designed by RaceAmerica back in 1991 and have been perfected over the years. These sensors are designed to operate in conditions from total darkness to the brightest sunlight without adjustment with easy setup. This is accomplished through a dual coded digital signal. Dual Beam and Tri-Beam units operate with multiple frequencies.

The proven drag racing technology of RaceAmerica's Infra-red Track Sensors and Beam Emitters provide line-of-sight detection of moving objects. The Digital Dual Coded Infrared (DDCIR) technology design is immune to radio interference and bright sunlight. The Track Sensors connect to any RaceAmerica Timer using an RJ-11 connector for fast and easy setup. The Beam Emitters are powered by an USB removeable, rechargable Battery Pack and provide detection of objects up to 250 feet away from the Track Sensors.

For more info go to: www.raceamerica.com/trkelect.html
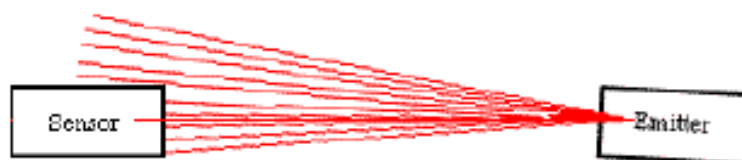
The Emitter throws a spot light like beam of infra-red light; the Sensor should be aligned near the center of the beam for optimal reception and alignment.

SENSOR MODEL		EMITTER MODEL	RANGE	APPLICATION
	5140 Single Beam Sensor	5040 Single Emitter, USB Battery Pack	50ft	Start/Speed/Finish Downtrack
		5042 Dual Emitter, USB Battery Pack	50ft	Center Lane Drag
		5050 Single Emitter, USB Battery Pack	75ft	Exended range applications
		5060 Super Emiter, 12VDC external	250ft	Speed Runs, across water
	5158 Single Sensor	5058 Single Emitter, USB Battery Pack	50ft	Single Beam Stage/Start
6027 OPTION	5163L Left Dual Beam 5163R Right Dual Beam	5063LU Left Dual Beam, USB Battery Pack 5063RU Right Dual Beam, USB Battery Pack	35ft 35ft	Pre-Stage/Stage Starts
6026 OPTION	5156L Left Dual Beam 5156R Right Dual Beam	5054LU Left Dual Beam, USB Battery Pack 5054RU Right Dual Beam, USB Battery Pack	35ft 35ft	Professional Dual Beam Stage/Guard Starts
6023 OPTION	5167L Left Tri-Beam 5167R Right Tri-Beam	5067LU Left Tri-Beam, USB Battery Pack 5067RU Right Tri-Beam, USB Battery Pack	35ft 35ft	Professional Tri-Beam Pre-Stage/Stage/Guard Starts