# Colorado Basic Touchpad System

A Basic Touchpad Timing System is made of a number of components, these include Gen7 Timer, Touchpads, a Starting System, Cables, Back up Buttons and with or without a Scoreboard. These systems are designed based your needs and you may need additional equipment.

### Gen7 Timer
Co-ordinates incoming information from the Start System, Touchpads, Back up Buttons and sends to the Scoreboard.

### Touchpad System
Can include Touchpads, Cable Harnesses, Back Up Harnesses and Backup Buttons.

### Champstart System
Used to start races. Horn, Strobe light and P.A.
or
### Infinity Start System
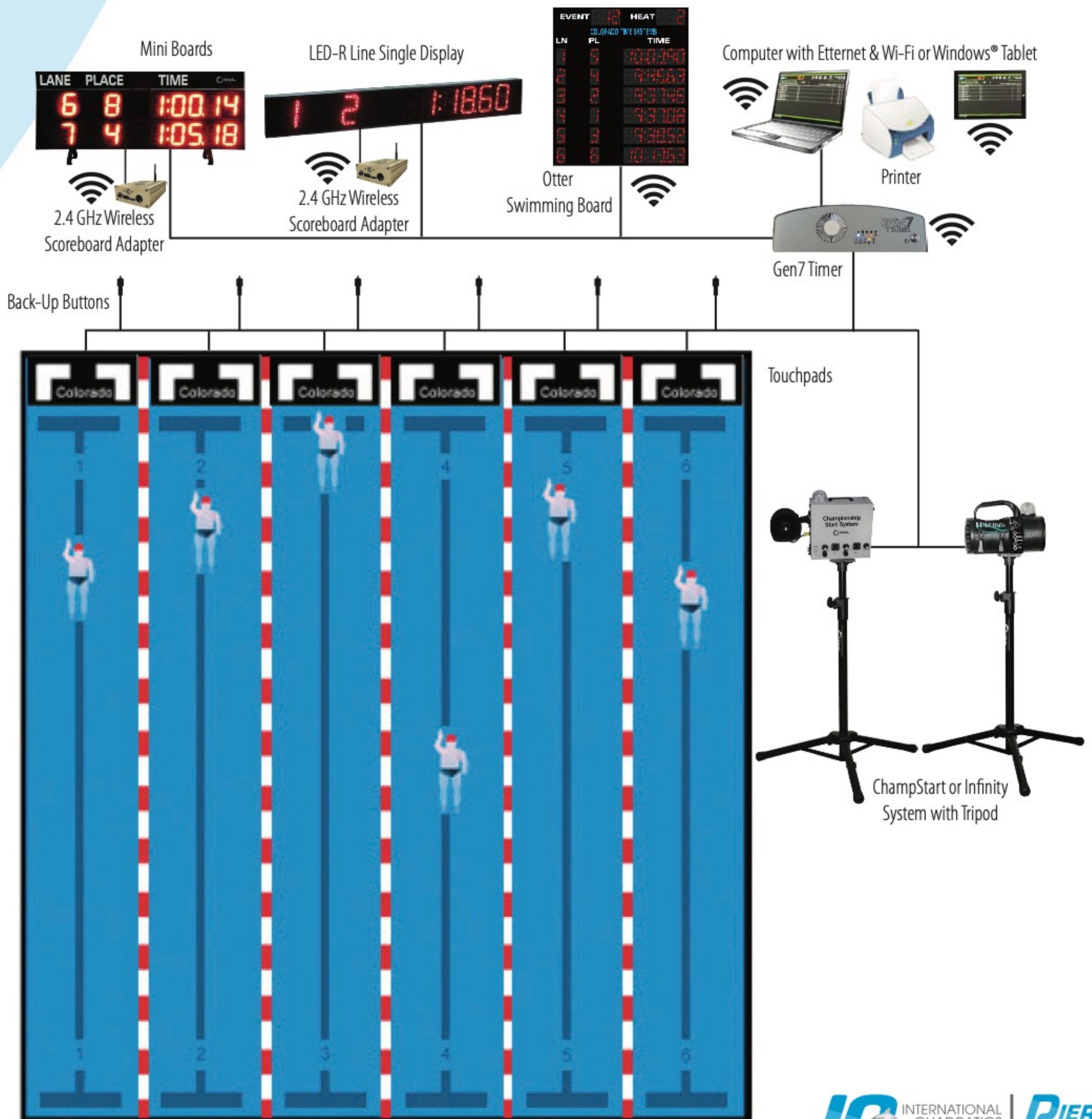Used to start races. Horn, Strobe light and P.A.

### Tripod
Lifts the Start System for all to hear and see.

### 2.4 GHz Wireless Scoreboard Adaptor
Used to receive data from Gen7 Timer to display times on boards not fitted with Wi-Fi.

### Mini Scoreboard, Otter Swimming Boards or LED-R Display
Used to display race results.



Mini Boards

LED-R Line Single Display

2.4 GHz Wireless Scoreboard Adapter

2.4 GHz Wireless Scoreboard Adapter

Otter Swimming Board

Computer with Etternet & Wi-Fi or Windows® Tablet

Printer

Gen7 Timer

Back-Up Buttons

Touchpads

ChampStart or Infinity System with Tripod

## Gen7 Legacy Timer

The Gen7 technology exceeds current standards by offering cutting edge technology with unrivalled precision & an all new software driven experience to run your meets flawlessly.

The Gen7 Legacy Timer is designed with backward compatibility to work with your existing CTS timing components & display boards, allowing you to meet your current needs & reap the benefits of the powerful Gen7 user interface.
It is a direct replacement for the System 5 & System 6.

New features & technology has been added including:

- Intuitive software interface
- Facility network connectivity
- Flexible user interface options
- Integrated 2.4GHz wireless to scoreboards
- Flexible user interface options
- Enhanced diagnostics
- Race finish safeguard

The Gen7 Legacy Timer is compatible with both in-deck & on-deck systems up to 12 lanes & allows you to fully utilise your existing CTS equipment with ease & accuracy.

Intuitive software interface:
The Gen7 Legacy Timer features a modern Windows® user interface & is touchscreen friendly.

Flexible user interface options:
A Windows® laptop or tablet is the primary user interface, with Ethernet connectivity to the timer.
In- deck & on-deck facilities can place the timer at the timing table for a meet.
In-deck facilities have the option to place the timer at the timing table, or in a secure office space & connect to the timing system via an office wallplate.

Race finish safeguard:
All timing data is logged & saved on the Gen7 Timer. Any issues with the user interface (laptop or tablet) are recoverable. The timer will continue running & will finish a race without the user interface.

Enhanced diagnostics:
Integrated pre-meet diagnostic screen to check system set up & health, eliminating the need to set up a test race in the system.
New diagnostic tools allows the detection of possible connection issues throughout the timing system.

The Gen7 legacy timer incorporates the latest technology with all of the key features you have come to expect from your Colorado Time Systems Timing Console, including:

- Enhanced split handling
- Relay judging
- Up to 12 lane timing
- Automatic lane arming
- Scoreboard cycling
- Intelligent button time handling; backup time adjustment per governing rules
- Interface to 3rd party meet management software
- Indicate disqualified, no show, & exhibition swimmers
- User selectable resolution; timing to 1/100th or 1/1000th of a second
- Basic pace clock functionality
- Cumulative/subtractive splits
- Start reaction display
- Declare start/finish end
- Manual arm/finish arm

Gen7 Legacy Timer including Carry Case                    Code: PSPL60020
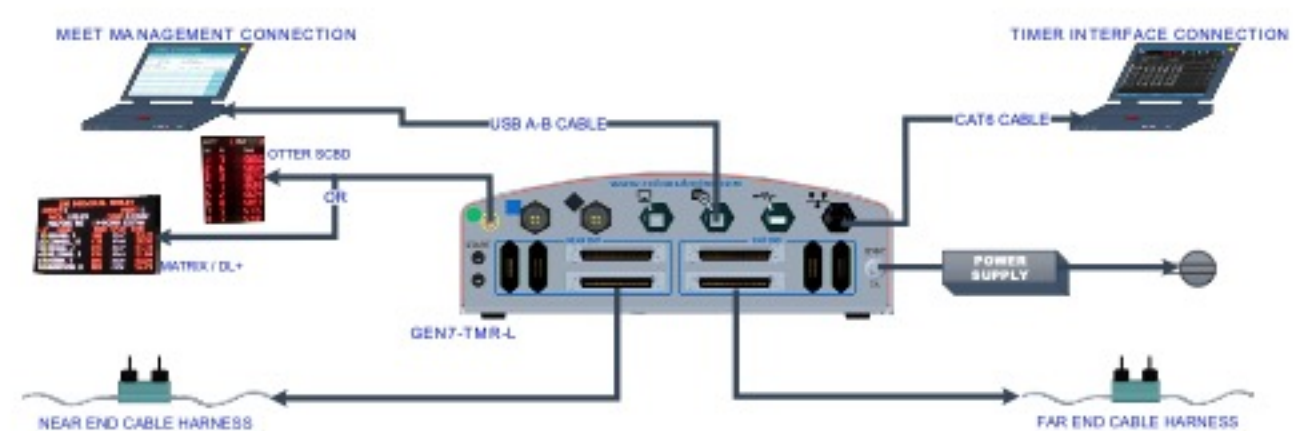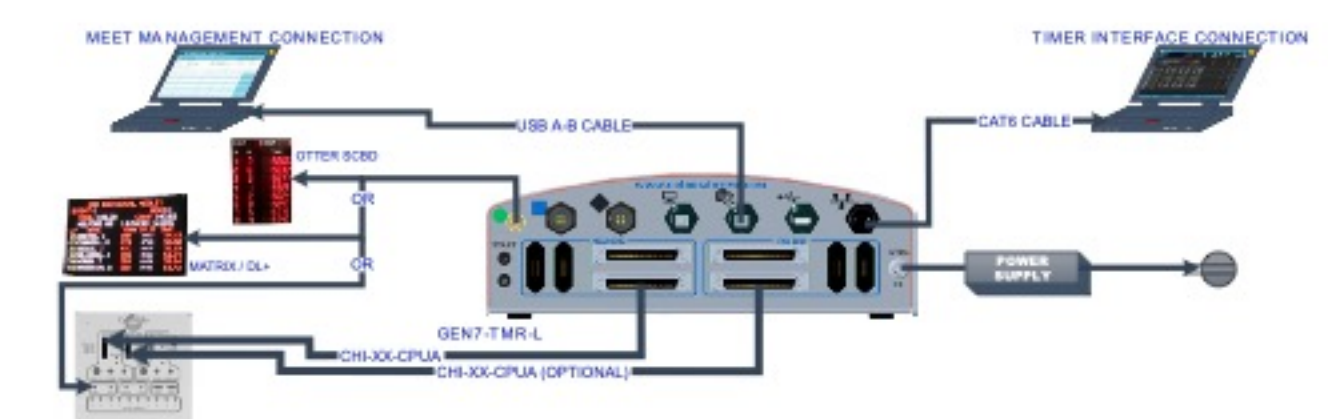

Gen7 Legacy Timer Front


Gen7 Legacy Timer Rear


Gen7 Timer Software Interface


Gen7 Timer Software Interface on a Tablets


Gen7 Legacy Timer On-Deck Diagram


Gen7 Legacy Timer In-Deck Diagram

## Infinity Start System

The Infinity System is an excellent entry level start system, if features a highly visible built in orange strobe light that automatically flashes as the horn sounds, providing fair starts to hearing impaired athletes & a visual indicator for time keepers.

A wired microphone included allows a limited public address to make announcements during practice & competitions. It has a false start recall feature that enables the starter to signal a false start and immediately alert competitors. The system is lightweight easy to use and portable. LED Low Battery Indicator shows battery level.

If you have an Infinity you can use it on a Bassic Touchpad System but will not be able to control Lane Speakers, Relay Judging Platforms, has a shorter battery life and can not be used on AC power.

Code: PSPL3010

## Championship Start System

The Championship Start System (ChampStart) delivers rugged durability performance. A high-powered unit makes an excellent choice for larger aquatic facilities. It can drive 2 x 10W or up to 12 x 6W individual speakers mounted under starting platforms as well as RJP speedlights for visual start signal. It includes a wired microphone. Three separate microphone inputs, independent volume control for each microphone input. Microphone volume is independent of start tone volume. The built-in strobe flashes with start signal. Additional external strobe lights & be added. LED Low Battery Indicator shows battery level. Can be used with the Tripod. Championship Start System is preferred for using with Gen7.

Code: PSPL5000

## Tripod

Use the Tripod for Infinity, Championship Start systems, Portable Scoreboards & Pace / Shot Clocks. A mounting bracket is screwed to the starter unit with screws included. This allows quick removal & install onto the Tripod bracket with the use of thumbscrews. The Tripod is given sure footing with a rubber foot on each leg.

Code: PSPL3015

## External Speaker

Use the 40W external speaker on the Infinity Start Systems & ChampStart when the pool is wide so competitors on the far side can hear the start. Use the speaker to extend the range of the public address. No additional power is required. The Infinity start system & ChampStart can power one external speaker.

| | |
|---|---|
| Infinity Speaker Cable 38 m | Code: PSPL3017 |
| Infinity Speaker Cable 61 m | Code: PSPL3018 |
| | |
| ChampStart Speaker Cable 38 m | Code: PSPL50001 |
| ChamStart Speaker Cable 61 m | Code: PSPL50002 |

## Lane Speakers & Harness

Lane Speakers are mounted at the starting blocks of each lane. They are connected to the in-deck systems using Deck Plates, Quick Connect Hubs or for on-deck systems using a Cable Harness that is connected to the ChampStart System.

Speakers

| | |
|---|---|
| Lane Speaker | Code: PSPL50020 |
| 6 Lane Cable Harness | Code: PSPL50010 |
| 8 Lane Cable Harness | Code: PSPL50012 |
| 10 Lane Cable Harness | Code: PSPL50014 |

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## Cable Harness

Used for on-deck systems to connect Touchpads, Back-Up Push Buttons & Relay Judging Platforms. Each connection can take up to two input devices. e.g. If using one cable harness you can connect one Touchpad & one back-up push button per lane per end. If you wish to have one Touchpad & three back-up push buttons per lane per end you will require one Cable Harness & one Back Up Harness Cable. Used with System 5, System 6 Timing Console or Gen7 Legacy Timer. Extension cables use for far end timing.

| | |
|---|---|
| 6 Lane Cable Harness | Code: PSPL51002 |
| 6 Lane Back Up Cable Harness | Code: PSPL51004 |
| 8 Lane Cable Harness | Code: PSPL51012 |
| 8 Lane Back Up Cable Harness | Code: PSPL51014 |
| 10 Lane Cable Harness | Code: PSPL51022 |
| 10 Lane Back Up Cable Harness | Code: PSPL51024 |
| 50 m Y Extension Cable | Code: PSPL51030 |
| 50 m Prime Extension Cable | Code: PSPL51032 |

## Touchpad

All Touchpads have an internal full face switch. Available in flat wall or gutter fitting. Gutter mount Touchpads are fitted with top edge switches. Most Touchpads are available with either standard or patented AquaGrip non-skid surface. All plastic construction and include a 3 metre cable with moulded connector. Less than 5vDC on deck power required (electronically isolated at the timer).
Available in a range of sizes from
152 x 55 cm to 240 x 90 cm (W x H x 7.6 mm T)

## Touchpad Caddy

Touchpads are precision electronic instruments that require protection. The Touchpad Caddy provides safe storage and a convenient means to transport your Touchpads to the pool deck. Accommodates up to ten Touchpads.
Touchpad sizes are required at time of ordering.

## Push Button

Used as primary timing device in a basic cable system or as a back up. Plugs into Cable Harness or Deck Plates or Quick Connect Hubs.
Cable Length: 1.8 m
Code: PSPL3019

## Training Keyboard

The Training Keyboard to help train operators for the Gen7 Legacy Timer. It simulates touch pad & button hits which means you do not have to set up the real touchpad, buttons, cable harnesses & starting systems to train operators. Operators can train anywhere.
If you have a computer with Hy-Tek Meet Manager you can connect that computer to your timer & transfer times to your Hy-Tek Meet Manager computer. Then, you can use the Training Keyboard to give your Hy-Tek operator experience in downloading times & printing results.
Code: PSPL60007

## Portable Mini Scoreboard

The Portable Mini LED Scoreboard provides the same information as two lines from the LED-R Scoreboard at a half the size. An excellent solution for clubs & smaller facilities who wish to display the race results. Can be used with the Dolphin Scoreboard Adapter, 2.4GHz Wireless Scoreboard Adaptor or data cable.

The Tripod may be used to lift it up for maximum viewing. IP53 Rating
1219 x 349 x 102 mm (W x H x D)
Viewing Distance 50 m
Top line 6 digit display Event/Heat & bottom line 10 digit for Lane, Place, & Time
EHLPT Code: PSPL4510

Two lines 10 digits, capable of displaying either top line Event/Heat & bottom Place or 2 lines of Lane, Place & Time. with Sign panel
Code: PSPL4505

## Mini Scoreboard Caddy

Designed to hold up to 5 Mini LED Scoreboards. Allows use of the scoreboard where ever required & wheeled away for safe storage when not in use. Four rubber castors with brakes are mounted on the sturdy aluminium frame for manoeuvrability.
(Mini Scoreboards & Cables sold separately)
1040 x 584 x 1830 mm (W x D x H)

Holds 4 modules (shown)  Code: PSPL4520
Holds 5 modules  Code: PSPL4521

## Mini Wall Mount Scoreboard

The Mini Wall Mount LED Scoreboard is the same as the Portable Mini LED Scoreboards but don't come with re-chargable batteries or legs. These can be mounted on a wall in-line, in a corner, side-by-side or on the Scoreboard Caddy. This is an alternative to the LED-R Multi Line Scoreboards when cost or wall space is a consideration. Can be used with the Dolphin Scoreboard Adapter, 2.4 GHz Wireless Adaptor or data cable. Available in a vertical or horizontal configurations. Mounting brackets are sold separately. IP53 Rating.
1219 x 349 x 102 mm per module (W x H x D)
Viewing Distance 50 m, Digit Height: 127 mm
Data Source: Dolphin software or CTS Software.
2 Line Module Code: PSPL4510 (Shown)
EHLPT Module Code: PSPL4515

## LED-R Numeric Multi Line Scoreboards

Modules can be used singly or combined in multiple module scoreboard designs. Designed specifically for the swimming pool environment, the scoreboards high-quality construction resists corrosion in any environment, giving you years of trouble free service. Signage panels can be added to the numeric scoreboard for sponsor advertising or facility/team name.

Numeric scoreboards can be set to display information for swimming, diving, water polo, synchronized swimming, track and other sports. The scoreboard may also serve as a time of day clock & pace clock.

Options for mounting include, modules may be configured vertically up to thirteen units and mounted in a corner or on a flat wall. Modules may also be configured side by side and flat wall mounted. IP53 Rating.
Colours: Red, Green, Amber, or Blue LEDs forming seven-segment digits
2480 x 356 x 102 mm (W x H x D)

## 2.4 GHz Wireless Adaptor

Transmits & receives scoreboard data wirelessly from Gen7 to Mini Scoreboard, Single & Multi-Line LED Scoreboards, Digital Pace Clocks & Digital shot Clocks.
Supplied with power pack & cables.
Code: PSPL4570S

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## Otter LED Indoor/Outdoor Scoreboard

Displays Lane, Place, & Time wireless scoring capabilities for 6, 8 or 10 lanes of swimming or track includes 3 digit Event & Heat.

An integrated internal antenna allows reliable wireless communication to any 2.4 GHz Scoreboard Adaptor, Dolphin Scoreboard Adaptor, Gen7 Timer or RoadRunner Track & XCountry Timing System.

The Weather proof digits & electronics are housed in a powdercoated aluminium chassis, which provides excellent corrosion resistance. The High visibility 125 mm digit Red LED digits automatically adjust to ambient light to provide optimal viewing. The high-strength polycarbonate digit covers protect digits & antenna from weather and impact. 75 mm Vinyl artwork captions are applied directly to polycarbonate digit covers.

The Scoreboard's assembly consists of a single 5052 alloy aluminium display chassis with internal digit brackets and is shipped as one piece for ease of handling & installation.

The board can be mounted in a variety of ways, mounted directly to a flat wall, corner wall, vertical beam or portable caddy (Caddy option not available for 10 lane board). All digits & electronic components are accessed through the front face of the scoreboard. The digit covers are secured by two removable end caps.
IP53 Rating.

Otter Boards:

| | |
|---|---|
| Scoreboard Otter 6 Lane Event/Heat | Code: PSPL4575 |
| Scoreboard Otter 8 Lane Event/Heat | Code: PSPL4576 |
| Scoreboard Otter 10 Lane Event/Heat | Code: PSPL4577 |

Mounting Options:

| | |
|---|---|
| Otter Scoreboard Wall Mounting Kit | Code: PSPL4590 |
| Otter Scoreboard Corner Wall Mounting Kit | Code: PSPL4591 |
| Otter Scoreboard 6-8 Single Sided Caddy | Code: PSPL4592 |
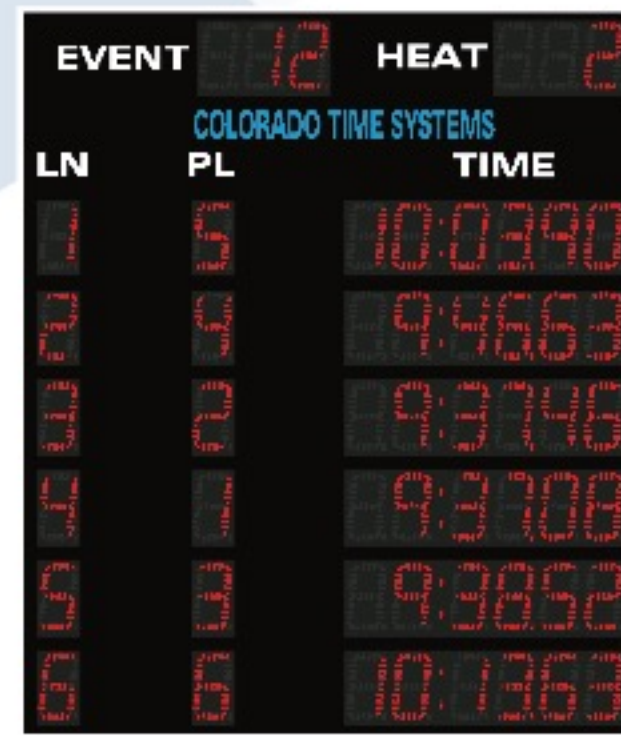
6 Lane:
1420 x 1220 x 110 mm (H x W x D)
Weight: 27.22 kg
Code: PSPL4575

8 Lane:
1780 x 1220 x 110 mm (H x W x D)
Weight: 31.75 kg
Code: PSPL4576

10 Lane:
2130 x 1220 x 110 mm (H x W x D)
Weight: 36.29 kg
Code: PSPL4577