CHRONOTRACK
INDUSTRY
TRUSTED
TIMING

ATHLINKS
SERVICES

ChronoTrack is the industry-trusted brand of timing solutions for endurance sports. Athlinks Services offers a full suite of ChronoTrack timing and scoring solutions that meet the needs of all sizes and types of endurance events. Our timers time 19 of the 25 largest events in the U.S. and have over 220 timing partners operating in 130+ countries and 6 continents.

CHRONOTRACK TIMERS

ChronoTrack timing partners are offered unparalleled timing and scoring products, training and support, helping to ensure the success of their businesses.

We also offer a full suite of race management tools to our timers that help with registration, race day services, results, plus corral and series management. Go to athlinks.com/services to learn more.

CHRONOTRACK TIMING SYSTEM

The ChronoTrack System consists of three main components. By combining these components, participant's times can be collected, the race can be scored, and results published.

TIMING TAGS: THE SINGLE B-TAG, D-TAG & TRI-TAG

ChronoTrack's tags are single use tags that provide improved efficiency and allocation of staff resources. ChronoTrack tags are also weather resistant and lightweight for an enhanced competitor experience.
• Single B-Tag, a standard bib with ChronoTrack's technology attached on the back
• D-Tag, a laminated strip, housing ChronoTrack's tag technology
• Single-use Tri-Tag & Re-usable Tri-Tag, features the industry leading tags embedded in a durable frame

HARDWARE: CONTROLLER, MATS, ANTENNAS, CABLES & SYSTEM ADD-ONS

The Professional and MiniTrack Series controllers provide the foundation for ChronoTrack's industry trusted timing technology. ChronoTrack Interrogators (Gators or mats) or side-mounted, matless equipment, FlashPoints, are placed along the course with high-functioning RFID antennas. The antennas pass information to the controllers where it is processed on to be scored.

The controllers have been designed with a wide range of communication options in order to ensure ease of data communication between the hardware and software.

SOFTWARE: CHRONOTRACK LIVE, MIDDLEWARE, 3RD PARTY SCORING AND MORE

We offer ChronoTrack Live, the next generation race platform combining registration, race management, and live race services on a live scoring platform. We provide middleware desktop and web applications to manipulate and manage data for scoring. Scoring can be done on third party scoring software, in conjunction with our live scoring solution. We also offer connections to third party publishing and distribution services for custom services.

CHRONOTRACK HARDWARE
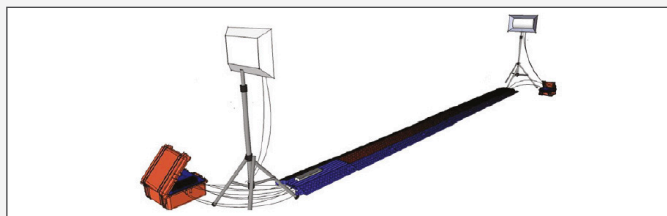
Single redundant start or finish line configurations.

4 GATOR SINGLE REDUNDANT

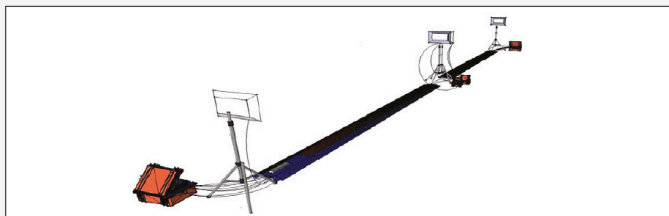| Desc	4 Gator Wide Line with a FlashPoint Over
Max width	~4 meters
Controllers	2 x Mini/400
Gators	4
Flashpoints	1
Stands	1
Cable sets	1 x Short Set, 1 x FP Short Set
Notes	Side opposite FlashPoint should be delineated for participants.

8 GATOR SINGLE REDUNDANT

Desc	8 Gator Wide Line with a FlashPoint Over
Max width	~8 meters
Controllers	1 x 800, 1 x Mini/400
Gators	8
Flashpoints	2
Stands	2
Cable sets	1 Short Set, 1 x Long Set, 1 x FP Short Set, 1 x FP Long Set
Notes	None

12 GATOR SINGLE REDUNDANT

Desc	12 Gator Wide Line with a FlashPoint Over
Max width	~12 meters
Controllers	1 x 800, 3 x Mini/400
Gators	12
Flashpoints	4
Stands	3 or 4
Cable sets	2 x Short Set, 1 x Long Set, 2 x FP Short Set, 2 x FP Long Set
Notes	None

16 GATOR SINGLE REDUNDANT

Desc	16 Gator Wide Line with a FlashPoint Over
Max width	~16 meters
Controllers	2 x 800, 2 x Mini/400
Gators	16
Flashpoints	4
Stands	3 or 4
Cable sets	2 x Short Set, 2 x Long Set, 2 x FP Short Set, 2 x FP Long Set
Notes	None

CHRONOTRACK HARDWARE
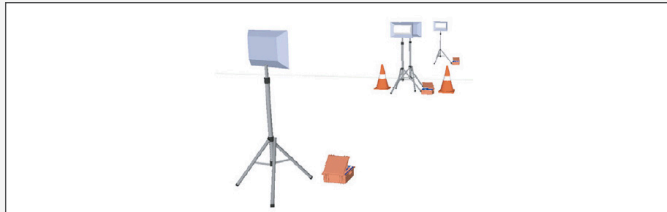
Gatorless split configurations.

4M FLASHPOINT LINE

Desc	4m Wide FlashPoint Line
Max width	~4 meters
Controllers	1 x Mini/400
Gators	0
Flashpoints	1
Stands	1
Cable sets	1 x FP Short Cable
Notes	Side opposite FlashPoint should be delineated for participants.

8M FLASHPOINT LINE

Desc	8m Wide FlashPoint Line
Max width	~8 meters
Controllers	2 x Mini/400
Gators	0
Flashpoints	2
Stands	2
Cable sets	2 x FP Short Cable
Notes	In order to communicate with the server with one aircard, a CradlePoint will be set on one side of the road with a wireless bridging device configured to talk to the CradlePoint connected to the opposite Mini.

12M FLASHPOINT LINE

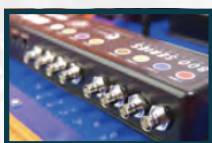| Desc	12m Wide FlashPoint Line
Max width	~12 meters
Controllers	3 x Mini/400
Gators	0
Flashpoints	4
Stands	3 or 4
Cable sets	4 x FP Short Cable
Notes	In order to communicate with the server with one aircard, a CradlePoint will be set on one side of the road with a wireless bridging device configured to talk to the CradlePoint connected to the opposite Mini.

16M FLASHPOINT LINE

Desc	16m Wide FlashPoint Line
Max width	~16 meters
Controllers	3 x Mini/400
Gators	0
Flashpoints	4
Stands	3 or 4
Cable sets	4 x FP Short Cable
Notes	In order to communicate with the server with one aircard, a CradlePoint will be set on one side of the road with a wireless bridging device configured to talk to the CradlePoint connected to the opposite Mini.

CHRONOTRACK HARDWARE

ChronoTrack timing systems minitrack series controller

The ChronoTrack Systems Professional Series has taken the timing world by storm, helping to secure 21 of the 25 largest events in the nation. Drawing the name Professional Series for its use in larger racing events, the Pro Series is not to be overlooked for a race of any size or duration. The Professional Series will provide a timer, race director, or competitor with the same world class experience the ChronoTrack brand has provided to US World Major Marathons in New York and Chicago.

With the ability to reach 28 feet with a single system, the Professional Series has become the top choice for highly populated events looking to improve the data communication flow and ensure redundancy. With built-in, internal battery life reaching eight hours and a touch panel LED screen these controllers have become industry standard for their usability and efficiency.

The functionality offered in the Professional Series gives our Certified Timing Partners an opportunity to bring a new approach to their racing events. Whether it is a local 5k, a marathon, snowshoe event, or mountain festival.

Participant Density Limitation	None (Starts, Splits & Finishes)
Interface Type	Touch Panel Computer
LED Status Lights	2 Ethernet Status LEDs, WiFi Status LED, Cellular Status LED, 3 Battery Status LEDs, 8 Alert LEDs
Display Size	4.75" Width, 3.25" Height
LAN	2 10/100Mbps Ethernet Ports
WiFi	Integrated 802.11 b/g Wireless Modem
Cellular	Integrated GPRS/UDMA Modem
Recommended Add-on Devices	CradlePoint CTR350, NanoStation2
Antenna	400 Series: 4 (4 Gators per Controller), 800 Series: 8 (8 Gators Per Controller)
USB	2 USB A
Auxillary Power	Yes
Buzzer	106 dB with rotary volume control
Runtime on Battery	8 Hours
Operates on DC Power	Yes (Requires Auxillary Battery Cable)
Operates on AC Power	Yes
Bettery Charge Time	5 Hours
Auxillary Battery Specifications	12-30V Batteries (Car/Marine/Other)
Internal Data Storage	1 GB Solid State
Data Exportable Through	USB Thumb Drive, LAN, WiFi & Cellular connections and other third party networking devices.
Weight	400 Series: 32 lbs., 800 Series: 36 lbs.
External Dimensions	20.75" x 17.5" x 8.5"
Lid Props	Yes
Standard 42" Gator	Yes
36" MiniGator	Yes
D-Tag (Shoe Tag)	Yes
B-Tag (Bib Tag)	Yes
Tri-Tag	Yes
Manufacturer Warranty	1 year
Available Extended Warranty	Yes (1 year)

CHRONOTRACK HARDWARE

Chronotrack timing systems professional series controller

Although it is named the "Mini"Track, this next generation system is not mini on the degree of functions it offers. Small in stature the MiniTrack system will provide a smaller and lighter weight option to the already successful ChronoTrack family of UHF controllers. Utilizing additional hardware add-ons, the MiniTrack is capable of reproducing a majority of the functionality found in the ChronoTrack Pro Series controllers.

New to this controller is its ability to run off of hot swappable 18 volt lithium-ion power tool batteries to maximize ease of use and reduce cost. These batteries can be purchased at your local home improvement store making powering up an easy process for the user.

In addition to the hot swappable batteries, the MiniTrack also boasts a mechanical gun-start button and combination keypad - LED interface. Like the Pro Series controllers, The MiniTrack controller can be used in combination with both types of ChronoTrack Interrogators (Gators). This allows the MiniTrack to be used in the same modular setups as well, resulting in line widths from 36 inches to 14 feet with a single MiniTrack controller. This controller can also be setup with other controllers to produce continuous line widths up to 56 feet.

Participant Density Limitation	None (Starts, Splits & Finishes)
LED Display	2 x 16 Character, Backlight
LED Status Lights	2 Antenna Connection LEDs, AC Power LED, 8 Error LEDs, Server Connection LED and 4 Battery Indication LEDs
Keypad	24 Button Membrane Keypad
Gun Start Button	Mechanical
LAN	Two 10/100Mbps Ethernet Ports
Recommended 3rd Party Cellular Add-on	CradlePoint CTR350
Antenna	4 (4 Gators per Controller)
USB	4 USB A and 1 USB B
Buzzer	103 dB with rotary volume control
Hot-Swappable Battery Ports	2 (Batteries not included with system)
Recommended Battery	Ryobi One+ 18V High CapacityLithium-Ion Battery (model #P104)
Runtime on Battery	~4 hours (~2 hours/battery, swappable for unlimited runtime)
Operates on AC Power	Yes
Recommended Battery Chargers	Ryobi One+ 18V Dual Chemistry Charger, 6-Port Supercharger (model #P125) or In-Vehicle Charger (model #P131)
Recommended Battery Charge Time	1
Internal Data Storage	1 GB Solid State
Data Exportable Through	Thumb Drive, LAN Connection and 3rd Party LAN Devices providing cellular, WiFi and other connections
Weight	12 lbs (without batteries)
External Dimensions	16" x 13" x 6.87"
Lid Props	Yes
Standard 42" Gator	Yes
36" MiniGator	Yes
D-Tag (Shoe Tag)	Yes
B-Tag (Bib Tag)	Yes
Tri-Tag	Yes
Manufacturer Warranty	90 Days
Available Extended Warranty	Yes (1 year)

CHRONOTRACK SYSTEMS TIMING TAGS

From start to finish, our timing tags will enhance the quality of each and every race experience including: the race director, participants, fans, volunteers, and support staff. By eliminating the hassle of chip distribution and collection before and after events, race directors can utilize their volunteers for other facets of the race, rather than complex chip distribution and post-race collection. All our timing tags take advantage of UHF RFID technology to provide industry standard results that timers and athletes around the world have come to enjoy and rely upon. ChronoTrack timing tags provide an eco-friendly choice for all participants looking to improve their carbon footprint. All three tags are recyclable or landfill safe and reduce secondary impact by scaling back the resources needed for distribution and collection.

B-TAG (BIB TAG)

The ChronoTrack Systems B-Tag is a perfect option for any size event looking for a simple, cost effective solution for providing their participants a time. The B-Tag is the future of timing and a throwback to the simpler days of racing when a Bib number was the only required means of tracking. The B-Tag is a thin paper strip that is attached to the back of the competitors bib. The ease of use for competitors and event staff allows for a great race experience removing the hassle of applying a tag to the shoe and reducing the margin of error in the application process.

- Simple for athletes to use
- No post-race collection
- Simple for race directors and event staff to distribute at packet pickup
- No fees for lost tags or unreturned tags
- Eliminates chip file by matching tag numbers to bib numbers
- Allows volunteers to be used in another capacities, rather than collecting chips
- Reduces potential for human error
- Recyclable

D-TAG (SHOE TAG)

The D-Tag is similar to a laminated paper strip that is looped around the shoelaces in the shape of the letter D. The D-Tag has revolutionized the competitor experience by removing the hassle of chip collection and unwanted fees for unreturned chips.

- Simple for race directors and event staff to distribute at packet pickup
- Attaches to the bib for distribution
- No fees for lost tags or unreturned tags
- Eliminates chip file by matching tag numbers to bib numbers
- No post-race collection
- Removes need for Race # or Bib
- Allows volunteers to be used in another capacity, rather than collecting chips
- Lower price point per Tag
- Customizable for marketing opportunities
- Recyclable

TRI-TAG

The Tri-Tag carries the same powerful UHF RFID tags as the B-Tag and D-Tag in a user-friendly compact plastic shell. The innovative plastic shell can be attached to the competitor with a single use strap or neoprene strap. The Tri-Tag gives ChronoTrack timers the opportunity to maximize performance for their races involving triathlon, swimming, and other endurance sports, while offering a single use or reusable tag option.

• Simple for race directors and event staff to distribute at packet pick-up
• Attaches to the bib for distribution
• No fees for lost tags or unreturned tags
• Eliminates chip file by matching tag numbers to bib numbers
• No post-race collection
• Removes need for Race # or Bib
• Allows volunteers to be used in another capacity, rather than collecting chips
• Lower price point per Tag
• Customizable for marketing opportunities
• Recyclable

CHRONOTRACK SYSTEMS SOFTWARE DESCRIPTIONS

STREAMMANAGER

StreamManager is an online browser based data acquisition client, part of our Users Web Portal. While SimpleClient is meant to be used locally on your computer, StreamManager can send timing data from our CCS server straight to another server on the Internet. This client is ideal for people scoring online or using online services like text messaging, map tracking, etc. This is the fastest route possible from controller to live services because the transfer speed of timing data is not limited by the Internet connection on your local computer.

CHRONOVIEW

This handy monitoring tool gives you access to information regarding your timer and user accounts, owned controllers, events and data sessions. ChronoView is ideal for checking online controllers, timing sessions and event statistics (unique tag reads, total tag reads, session count, controller count). Additionally, ChonoView has recently been upgraded to include an event management tool. This feature allows timers to configure their event ahead of time to track progression of competitors through their event at a high level, contact remote personnel via the Skype application at a click of a button, and monitor cellular connections during an event.

CHRONOSTORE

The ChronoStore application allows you to insert timing data into the "flat" timing tables of several databases (SQL Server, MS Access, Visual FoxPro and MySQL). ChronoStore comes in two versions. The first version is a standalone Windows Service. This application can run as a service on your Windows Server online. It uses user/passcode authentication with session hash based request response logic to allow connection from ChronoTrack data clients (SimpleClient and StreamManager). The second version is a DLL version of ChronoStore that allows you to integrate this database time inserter server to your scoring software based on one of the above-mentioned databases. For more information please check the install notes in the download section of ChronoStore.

PORTFORWARDER

The small port forwarder application allows you to forward TCP connections from the controller's local networks to the Internet using your computer running PortForwarder. This solution avoids complicated controller and pc configurations and advanced network configuration. You basically connect the controllers to your computer just like you do with CCSLite and forward the connection to a server IP and Port you have set on the PortForwarder.

THIRD PARTY SCORING SOFTWARE

Currently, many of ChronoTrack Timers use third party scoring software. The two primary scoring packages used, in no specific order, are RunScore (www.runscore.com) and The Race Director (www. theracedirector.com).