

25,000+ events per year

16,000,000+
athletes per year

120+
countries

8 offices around the world



Race timing with the leaders

Welcome to RACE RESULT, where our team sets the global standards for sports timing. I am thrilled to personally extend my warmest greetings to you as you embark on this journey through our product portfolio.

With RACE RESULT technology, you will take event timing to a new level. Our partners are able to streamline their processes, offer additional services and, finally, make their events an unforgettable experience for all athletes.

This brochure will help you to experience the advantages of our timing technology, which is successfully used at tens of thousands of sporting events every year.

We would be delighted to welcome you to our global partner network. For any questions, please do not hesitate to contact our sales & support team!

Soenke Petersen, CEO

# The Complete Solution for Race Timing

We offer everything you need to time your sports event. From the registration platform to timing hardware, transponders, bib numbers and live results presentation. All components work seamlessly together, whether you are timing a local 5k run or a world championship.

# **6** Ubidium Timing System

The most advanced timing system on the market with innovative features and unrivaled connectivity.

# **12** Passive Timing Solutions

Reliable and accurate UHF technology for even the biggest running events. Robust design for MTB, gravel and more.

# **20** Active Timing Solutions

A guarantee for the highest precision and reliability under any condition. Ideal for cycling, triathlon and obstacle runs.

# **30** Track Box

Outstanding devices for simple split times, athlete tracking and many other use cases.

# **34** RACE RESULT 12 Software

The complete solution for timing and managing of any kind of sports event. Includes live data export, online registration and results platform.

# 38 About Us

How our slogan "Precision. Passion. German Engineering" influences our customer relationships.



# UBIDIUM

#### **Next Generation Timing Solution**

Ubidium is the timing system that has started a new era in sports timing. Born from the collective experience of thousands of events and shaped by the diverse needs of customers from around the globe, this revolutionary system represents the epitome of precision and reliability for active and passive timing.

#### Staying Ahead of the Game

The completely new form factor guarantees maximum flexibility. With two batteries inserted, it weighs only  $\sim$  4.1 kg /  $\sim$  9 lbs. The 6.2" screen in combination with the always visible LEDs and large buttons makes it easy to maintain an overview of all relevant timing data and functions. The display is even readable in extreme temperatures. Reliable battery status reporting provides accurate information about the remaining runtime.





#### **Enhanced Active Timing**

Plug your active timing loop directly into <u>Ubidium.</u> No more required extensions. Build timing lines with widths of up to 30 meters\* and with 100 % loop power. Ubidium fits seamlessly into the existing RACE RESULT active system architecture, supporting functionalities like stored passings and repeat mode.



#### **Unparalleled Connectivity**

Ubidium has GPS and 4G on-board. 3 Ethernet ports provide extended networking capabilities, internal switching to connect multiple devices. POE input and output enable powering third-party devices as well as Ubidium itself. Internal and external SIMs provide a backup for data transmission and, if needed, remote support access to the device. Ubidium can connect directly to your PC via USB-C. It also offers Wi-Fi, USB-A, DC Power In, trigger input/ output and the connection of an external 4G antenna.

#### **Resistant in all Conditions**

Ubidium ensures optimal performance in all weather conditions. A heating element keeps the device above freezing point for optimal battery performance. An integrated fan will cool the system down if necessary and blows moisture out if the integrated humidity sensor indicates a condensation risk. The display and buttons are always visible and accessible, while the front lid covers the connectors and effectively protects the system from rain and splashing water.





# Ubidium Foldable Ground Antenna

The UHF floor mat is a standalone extension to Ubidium. It is powered by the system and sends detection data directly into the system. Each mat segment holds its own UHF antenna and reader.

#### Plug and Go

The mat connects directly to Ubidium with a single connector. No additional device is required. For redundancy, two independent, robust cables lead to the first antenna segment and form two separate lines throughout the whole mat.

#### Improved Shaping, Less Weight

The new design gives the mat an even better profile on the road and flatter edges allow for a more comfortable ride. At 77 cm, the segments are longer than before. In the standard 4.6 meter configuration (6 segments), the mat weight is just 24 kg / 52.9 lbs, 10% less than our previous ground antenna.

#### **Easy Length Adaption**

You only need to open one antenna segment on either side of the joint to split the mat. The cables for each segment can stay inside the mat at any time using the inner storage channel. The mat can be extended/shortened by pairs of two segments, resulting in widths of 1.5 m (with 2 segments) up to 23 m (with 30 segments).

#### Interweaving Connection

Every reader element is connected to the reader two mats earlier, creating separate data lines in an A-B-A-B scheme. This offers an additional redundancy within the ground antenna.

#### Up to 23 m Mat Length

As you are not limited by the 8 ports of conventional UHF readers you can now create up to 23 m long timing mats. Each mat segment contains its own integrated reader and antenna, specifically designed by RACE RESULT for sports timing purposes. It requires less power than standard UHF readers, therefore increasing system battery life. It also allows synchronized reading with multiple elements at the same time, significantly increasing read rates and timing precision.

10 UBIDIUM

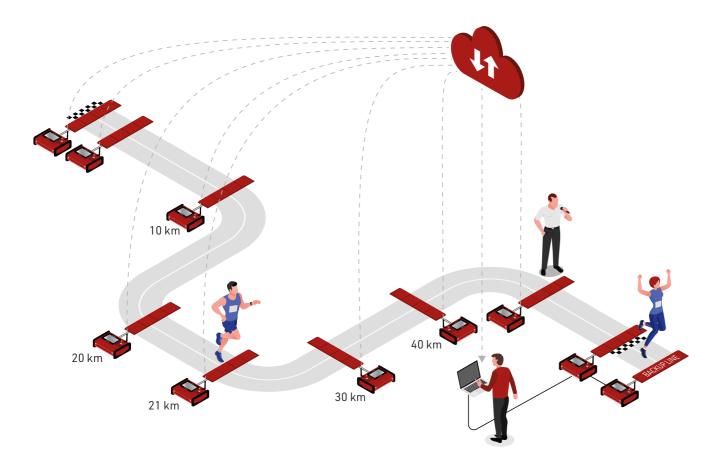


# Passive Timing Solutions

RACE RESULT passive timing technology uses UHF to detect transponders. It is the optimal choice for all kinds of running races, cross country MTB, trail runs or smaller triathlons. Combining the foldable ground antenna with our sports-optimized transponders creates an unmatched setup in terms of reliability, flexibility and highest detection rates.

- Easy setup
- 0.2 s accuracy
- 60 km/h detection speed
- Up to 23 m ground antenna length

#### How to time a road race



The easy and fast setup of splits is a major benefit of the RACE RESULT Passive Solution. Combining the foldable ground antennas, Ubidium, and our high-quality UHF transponders provides efficient workflows, highest detection rates, and live results for all participants. This way, races of any size can be timed.

Due to the low power consumption of the antenna, the internal batteries provide sufficient runtime for most event scenarios.

The marathon is timed at start and finish, plus at the 10K, 20K, half marathon, 30K, and 40K split points. A main and a backup system are used for the important start and finish times. All systems are synchronized via the integrated GPS receiver. Detections are instantly sent to the timing software using Wi-Fi or mobile network (SIM required). Results and predictions are published live, allowing spectators to follow their racers.

## BMW Berlin-Marathon 2024

The 50th edition of the BMW Berlin Marathon concluded with a world record: a remarkable 54,280 finishers made it the largest marathon of all time. As part of the Abbott World Marathon Majors, the event is one of the most renowned road races worldwide and is celebrated by participants for its fast course and vibrant atmosphere.

In 2024, mika:timing used RACE RESULT technology for the first at the BMW Berlin-Marathon.

mika:timing is a leading provider in the mass participant industry for timing and results. Founded by Harald Mika, the company has delivered top-notch computerized timing and scoring solutions for over 30 years.

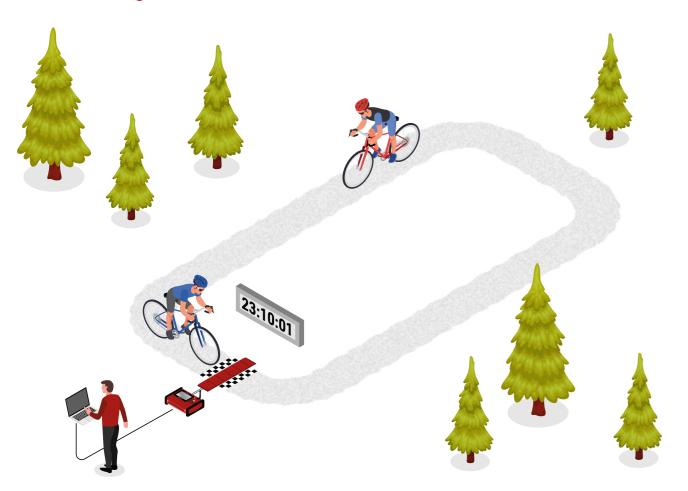
#### **FACTS**

- Timing points each 5 km
- More than 200 m of ground antennas
- Live data pushed to TV, event app & athlete tracking
- On-site bib assignment at expo, using Chip2Go
- Ubidium Ground Antenna used



4 PASSIVE TIMING SOLUTIONS

#### How to time a gravel race



For mountain bike and gravel races, we recommend using the passive solution with disposable transponders attached to the back of the bike plates. This setup is being used for both amateur as well as elite events worldwide.

With the transponder on bike plates, participants only need to attach their plates to the handlebars. No additional transponder necessary.

Timekeepers simply unfold the ground antenna at the start and finish line and plug it into the timing system. For different starting locations or split points / sector times on the course, an additional timing system is needed at each timing location. Ubidium sends all chip reads live to the RACE RESULT 12 timing software via mobile network, Wi-Fi, USB or LAN.

# Seven Gravel / UCI World Gravel Series

A legendary gravel race in Australia that is also part of the UCI World Gravel Series. Timed by our customer Idle Timing.

• 1,000 participants

- Handlebar Plates with Passive Transponder attached
- Ubidium + Ground Antenna for start & finish
- Track Box Passive for checkpoints
- RACE RESULT 12 software



16 PASSIVE TIMING SOLUTIONS

#### **RACE RESULT Passive Transponder**

We are the first company in the sports timing industry to develop our own disposable UHF transponder. At a thickness of only 1.5 mm, the transponder provides the highest detection rates on the market. Wetness, sweat, and body contact have no negative impact on transmission power or durability.

RACE RESULT Passive Transponders can be ordered on a roll or already attached to a personalized bib. In addition, we offer bib and transponder solutions for triathlon and cycling.



VOGO

1350

EVENT NAME

STATE OF THE PROPERTY OF THE PROPERTY

STARTING NUMBER
WITH TRANSPONDER



RACE RESULT
TRIATHLON-TAG (DISPOSABLE)



SEATPOST STICKER WITH TRANSPONDER



RACE RESULT BIB TRANSPONDER



MTB PLATE
WITH TRANSPONDER



#### **Reusable Passive Transponders**

Reusable passive transponders are robust, waterproof, and designed for dozens of races. As a cost-effective alternative to active technology, they are used in large triathlons, road races or mud runs.



RACE RESULT HU TAG



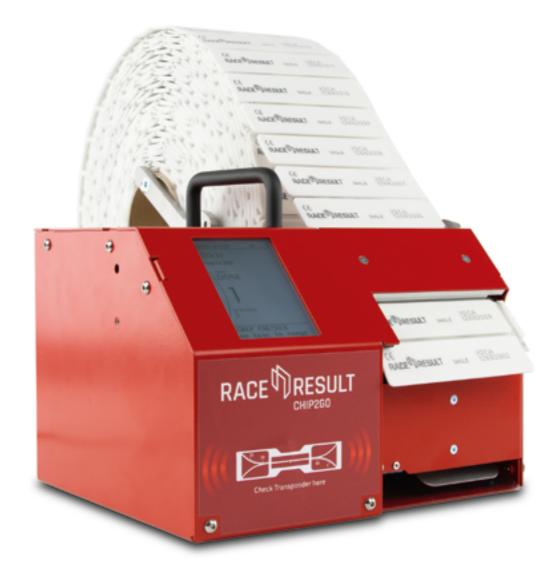
RACE RESULT
BATON WITH TRANSPONDER

#### Chip2Go

With Chip2Go, timekeepers can flexibly program RACE RESULT Passive Transponders on their own.

Chip2Go is the perfect solution for last minute production of race numbers, late registrations, or smaller events.

- throw away less transponders
- no separate chip file required
- easy to handle, also for volunteers
- self-sufficient process, without computer









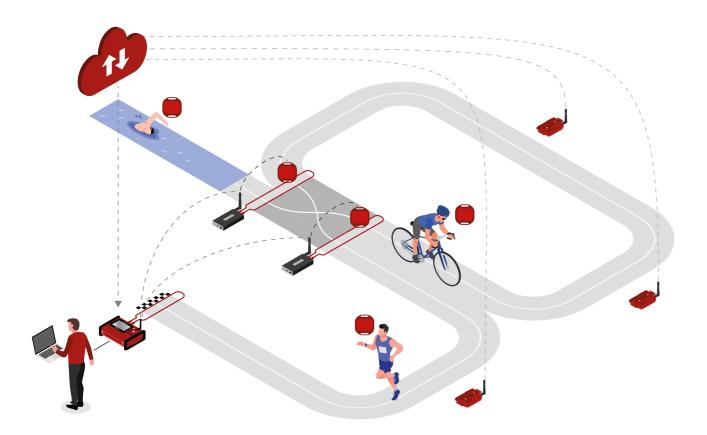
# Active Timing Solutions

RACE RESULT active technology combines highest precision and reliability with unique features like Tracking Mode and Store Mode. Active timing is recommended for events with high speeds, disciplines in water, or expected close finish line sprints.

RACE RESULT Active V3 transponders are the most accurate transponders for active sports on the market. They are reusable and have an internal battery lasting several years. V3 provides a true accuracy of up to 0.004 s at speeds up to 150 km/h.

- 100 % read rate
- 0.004 s accuracy
- 2 m detection height
- 60 m loop length

#### How to time a triathlon



Our Active Solution is being used for numerous long-distance triathlons and World Triathlon Series races. It provides 100 % detection rates, highest precision, and waterproofness of the transponder. Installing Loop Boxes and Track Boxes around the course enables you to set up many splits without much effort.

Two Loop Boxes are placed at the entrance and exit of the transition area to record all split times, including transitions. All split detections are sent wirelessly\* in real time to the Ubidium system, which is also recording the finish times and feeding all data in the timing software.

Track Boxes along the bike / run course can be used for a large number of split times and building tracking visualizations.

# DATEV Challenge Roth

The DATEV Challenge Roth is the world's largest long-distance triathlon, renowned for its unique atmosphere. Regularly setting new world records, the event combines flawless organization, over 40 years of tradition, and a family-like vibe, making it an unforgettable experience for athletes and spectators alike.

Since 2021, mika:timing has used the RACE RESULT Active System for timing at the event.

#### **FACTS**

- 3,500+ athletes
- 31 timing systems + 4 x Track Box Active in the water
- ActivePro transponders worn on participants' ankles
- 57 split times for pro athletes, including swim splits
- 51 split times for age group athletes



<sup>\*</sup> Within a range of 900 meters

#### How to time a motocross / enduro race



RACE RESULT active technology is perfect for motocross and enduro races where the detection loop needs to be buried. The active system's maximum detection height of up to 2.5 meters makes this possible. The transponder provides exceptional accuracy of 0.004 seconds at speeds of up to 150 km/h, ensuring reliable results and sector times.

For remote locations, the Track Box Active is an ideal solution. It operates without a timing loop, transmits live data, and is quick and easy to set up. The Loop Box can transmit timing data to a nearby main timing point, which makes setups much more versatile and flexible. For optimal performance, drivers attach the Active Pro V3 transponder to the front fork using our specially designed Active Chip Holder. Alternatively, it can be worn on the wrist with a velcro strap.

# Red Bull Erzbergrodeo

The Erzbergrodeo is arguably the most renowned enduro event in the world. Each year, hundreds of riders and tens of thousands of spectators gather at the Austrian open-pit mine to witness top-tier motorcycle races in a stunning setting.

In 2024, Erzbergrodeo implemented RACE RESULT technology. This switch marked a significant improvement for both riders and organizers. Previously, riders had to be manually recorded at many checkpoints. Now they can pass through the gates without stopping.

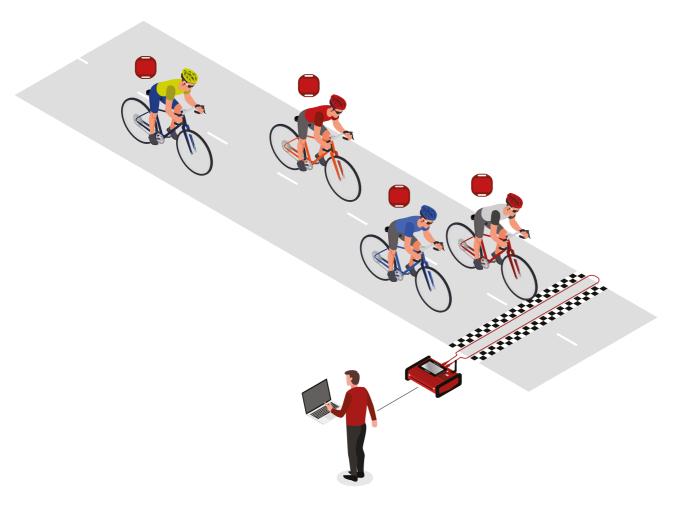
#### **FACTS**

- 27 checkpoints along various routes
- Live data for timekeeping, rider monitoring and TV broadcast
- ActivePro transponder worn around the wrist





#### How to time a road cycling race



Even short time intervals in sprint finish situations are reliably timed with the Active Pro V3 transponders. Ubidium can detect the times of up to 100 active transponders per second.

Before the race, ActivePro V3 transponders are attached to the bike forks. A wire loop is taped on the street and plugged into the Ubidium timing system. Once the transponder crosses the loop, it is activated and sends its time via 2.4 GHz to the timing system. Ubidium forwards all detections in real time to the RACE RESULT 12 timing software via mobile network, Wi-Fi, USB or LAN.

# **Tour Down Under**

Tour Down Under is the first race in the UCI World Tour calendar. Established in 1999, Tour Down Under consists of six stages in and around Adelaide, South Australia. Since 2015, the ActivePro transponders have been deployed to support the photofinish system and feed live results to the commentators. Men's and women's races are timed by our partner Event Timing (Melbourne).

#### **FACTS**

- ActivePro attached to the bike fork
- Active timing solution incl. Loop Boxes for finish line and splits
- RACE RESULT 12 software for scoring and results presentation



#### **RACE RESULT Active V3 Transponders**

Active V3 is our third transponder generation and takes the product to the next level with significantly lower power consumption, greater resistance to interferences and significantly increased accuracy.

The four V3 transponder options are tuned to different application scenarios. Different transponders can be used in the same race.



	ActiveBasic V3	ActivePro V3	ActivePro V3 Performance	MotorKart V3
	SUSTEMBLE STATE	EUST VIBAGE  GUST	EUST ZIBAAGO EUST CIBAGGO EUST	DE ZIBW64
Description	The budget choice. For clubs and events that appreciate the reliability of active technology and don't need the highest accuracy, tracking and store mode.	The best choice for most events. Combines high accuracy and speed with long battery life, store mode and tracking.	High-end transponders for pro races. Delivers the highest accuracy, most stable data transmission in sprint finishes, additional tracking data and store mode.	Special transponder for timing go-karts, optimized for avoiding electrical interferences and detection heights < 0.5 m. Ensures highest reliability and precision over tens of thousands of rounds of kart racing.
Accuracy	0.2 s	0.004 s		
Max. Speed	60 km/h	120 km/h	150 km/h	120 km/h
Warranty	4 years	5 years	3.5 years	
Activation Antenna	2D	3D		
Store Mode	-	✓	✓	✓
Tracking Mode	-	✓	✓	✓
Tracking Lifetime	-	up to 1000 days	up to 300 days	
Temperature	-25 °C - 70 °C			

#### **Loop Box**

The stand-alone Loop Box is the smart way of collecting split times. At nearby timing points, detections are sent wirelessly to the main system. In case of remote timing points, the transponder saves the passing time and then transmits it when arriving at the finish.

- replaces Ubidium for splits
- internal battery for 12 20 h
- repeat mode range up to 900 m
   no wiring needed between main timing system and Loop Box





#### **Management Box**

The multitool to manage active transponders and Track Box Active.

- set transponders to deep sleep, in order to conserve battery when not in use
- check your inventory of active transponders
- manage Track Boxes
- activate Tracking Mode on the transponders

#### **USB Timing Box**

Even smaller alternative to Ubidium. The device is connected directly to the PC and provides the same timing data.

- internal storage up to 1,000 detections
- internal battery up to 12 hours
- receives split times from Loop Boxes

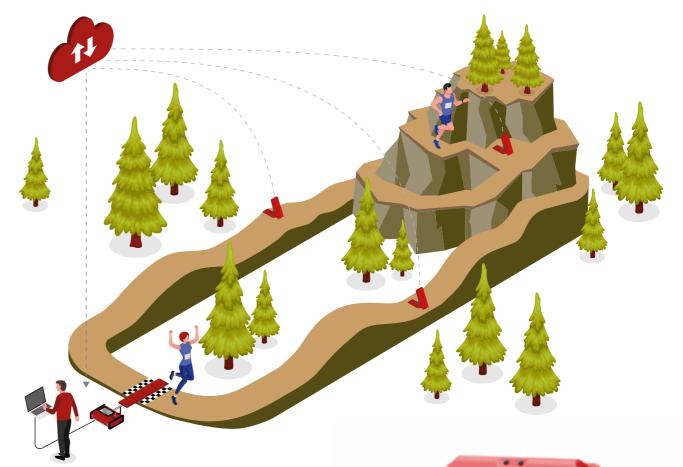




# Track Box Passive

The RACE RESULT Track Box Passive is the perfect solution for split points. No other timing device on the market offers so many opportunities in such a small handy box. The Track Box Passive combines a custom UHF reader and antenna, 4G/LTE modem, GPS module and internal battery all in one readyto-go unit.

- Small & lightweight
- Battery life up to 18 h
- GPS & LTE modem inside
- Up to 8 m range with two boxes



#### **Self-sufficient device**

The Track Box Passive is a complete timing system. It can even be connected to a solar panel for permanent installation.

#### **Unmatched dimensions**

With a weight of only 1.7 kg / 3.7 lbs, the box can be easily carried to remote locations. Automatic standby mode lets the box preserve energy during the night.

#### Hands-free solution

Being pre-configured, the device is activated with one click of a button and now runs autonomously for 10-18 hours.

#### Remote control

Main functionalities can be configured and managed via an online interface.

#### **Dual box synchronization**

This patented feature allows you to setup up Track Boxes on each side of the road, without worrying about interferences. Up to 8 m wide timing points are possible.

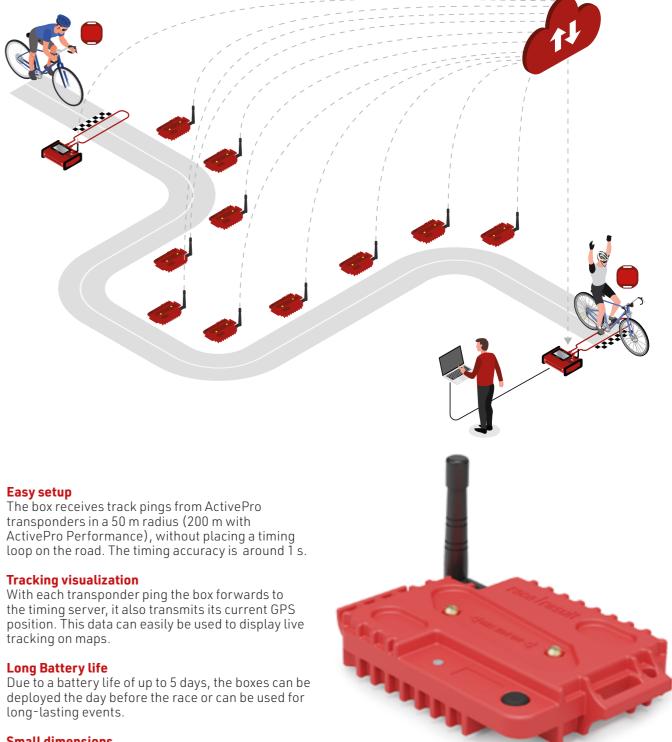




# Track Box Active

The Track Box makes timing and tracking possible with the same transponder. Positioned along the route or placed on lead vehicles, the Track Box receives signals from all ActivePro transponders, that have Tracking Mode activated, within a radius of 50 m. The data is transmitted live and allows real-time data visualization of the race and an unprecedented number of timing splits.

- Detects transponders in 50 m radius
- Up to 5 days battery life
- Built-in magnets for easy mounting
- Stack charging



transponders in a 50 m radius (200 m with

the timing server, it also transmits its current GPS tracking on maps.

#### Small dimensions

With a weight of only 400 g, the Track Box can easily be carried to remote timing locations and can be set up by a volunteer without any further knowledge. It is switched on and activated with a push of a button.

TRACK BOX

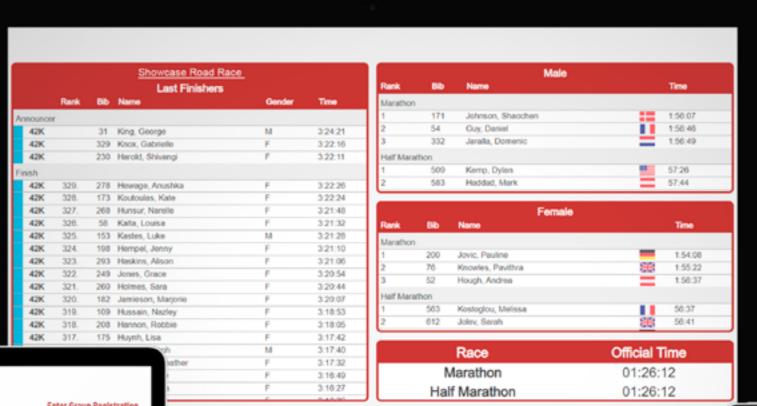
# RACE RESULT 12

# Software

RACE RESULT 12 software is designed to handle and streamline the management and timing of any sports event. Its user-friendly, browser-based interface enables you to effortlessly create and execute events without the need for complex formulas or calculations.

With RACE RESULT 12, all event settings are conveniently consolidated in one place. It combines online registration, participant management, payment processing, event timing, scoring, and live results presentation within a single browser tab.

Registration Data Check Done



Visit our website to learn more about the different output options and explore some examples:





RACE RESULT 12





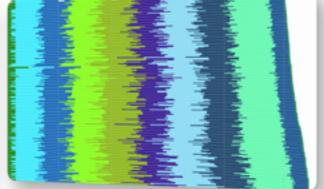
#### **Remote Event Management**

RACE RESULT 12 allows you to seamlessly manage events entirely online. You can access all the necessary data and settings from anywhere, facilitating collaboration with colleagues working on the same file. Additionally, the software and event files can be downloaded onto your computer for offline use.

#### Flexible Online Registration

Setting up online registrations for your events is quick, simple, and highly customizable. With just a single click, you can publish the registration on my.raceresult.com or embed it into your own website. The software also enables you to send emails and provides a convenient payment processing service.





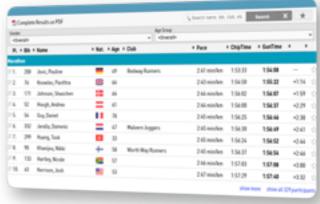
#### **Access Timing Systems**

All timing systems associated with the event are clearly displayed on a map, both Ubidium and track boxes. In this way, you can also keep track of the connection quality, battery status, etc. All essential settings can be controlled remotely.

#### **Intuitive Scoring Tools**

With the "Splits" tool, you can easily set up timing points and time limits for different contests of your race. Check all settings with the integrated race simulation. The Race Visualization offers a first-class overview of the race.





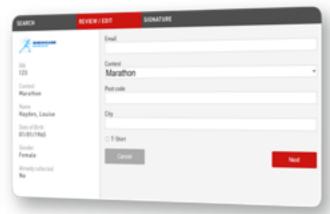
#### **Smooth Event Timing**

RACE RESULT 12 provides a clear overview of all timing systems within the software. You can easily assign them to specific timing points and adjust their settings remotely. All timing data is transmitted live to the software for instant access.

#### **Live Results Online**

RACE RESULT 12 ensures that all results are calculated and published in real time. The responsive list design offers spectators a comfortable viewing experience on their smartphones, allowing them to follow their favorite athletes live. Engaging features such as automatically calculated predictions and leaderboards further enhance the event experience.





#### **On-Site Results Presentation**

Built-in software tools simplify the presentation of results on large screens, LED walls, or results terminals, making it effortless to keep participants, spectators and race officials updated.

#### Managing data access

RACE RESULT 12 provides various options for managing data access. The Results Kiosk allows helpers to view and update specific participant data, while APIs and Exporters allow real-time data transfer to third-party solutions.

RACE RESULT 12



# Who are we?

Our success is based on close collaboration with event organizers and timing professionals. Thanks to continuous feedback from thousands of events, we consistently refine our solutions to cater to the specific demands of the timing industry.

# INNOVATIVE

We **think differently**. We listen to our customers and try to make customers' lives better. As a RACE RESULT customer, you can always depend on working with the latest technologies.

# **FAIR**

All customers are **treated fairly**. This enables everyone to grow and be equally successful together with RACE RESULT. We continuously strive for respectful cooperation among our teams.

# SUSTAINABLE

We **grow together** with our customers.

Transparent pricing allows everyone reliable business models. Corporate profits are largely invested in the development of new products and services.

## **Customer Success**

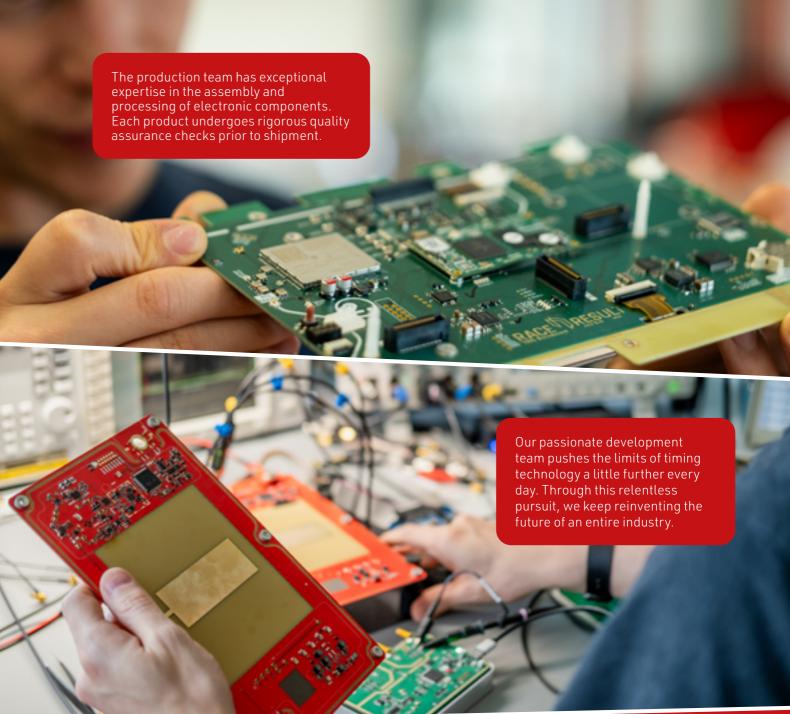
Whenever you need help with timing, our team is available to support you. We have a network of offices and distributors worldwide who also always welcome your inquiries.





For individual support, contact us at **support@raceresult.com** or request an online video chat with our team. We will gladly take the time to support you!





# **Development & Production**

At our company headquarters in Pfinztal in southern Germany, all departments collaborate closely. We have brought more and more work steps in-house over the years to enhance the efficiency of our products and uphold the highest quality standards.

# **Printing**



# full color Sample Tyvek Bib Number,

s bib sample is printed on Tyvek, the material of our RACE RESULT bibs



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