ORBITER4 SOFTWARE − 2020

Orbiter's two Software Designs

- ✓ Designed for permanent installations that uses a sever in the CLOUD.
- ✓ Designed for mobile use in Tough Tablets and localized. This means no Internet is required.

Localized Orbiter Software, is so easy to use "Anyone Can Time an Event". This means greater stability and lowers risks as the race timer controls the data at the event. No risk of lost time data as the original data is always kept inside the RFID reader.

Industry experts have told Orbiter that no other timing software comes close to comparing to Orbiter's features. Orbiter 's lap counting software is STABLE and RELIABLE!

Orbiter's Key Benefits: Critical features for side antenna race timing success!

1. **One Click Reprocessing**- Critical and most important. (Allows for configuration changes during and after event).
2. **All in One design** with no separate stands and cables to connect means fastest deployment.
3. **Cloning & Resume**-(Copy races in a few key strokes or restart a closed race.)
4. **Conditional Monitoring for** remote detector management. Similar to NASA mission control.
5. **Special Embedded Software** inside the reader that works in unison with the application layer that runs the reader in a different way than off the shelf reader manufactured software.
6. **Software controlled high 24 volt DC operation** which produces much better tag detects than lower Standard reader DC voltage.
7. **Derby Fast Database** which is pre-scaled to mass simultaneous world events.
8. **Positioning of the tag** for time accuracy. (First, Last, and Corkscrew.)
9. **RESTful Interface** and API allows programmers to control output and customize connectivity.

Other Important Software Features:

10. **Minimum Lap Time** (No free laps for participants).
11. **Maximum Lap Tim**e (Clear past work-out sessions from a display).
12. **Minimum Leg Time (**No false detections if there are way points).
13. **Child** (The ability to quickly sum races to create a grand race with totals)
14. **Ease of use.** (So simple '**Anyone Can Time a Race'**. A bold statement but true! Allows **Rentals to first time users. Beep** - LED signals in **real time where the tag was detected** for all to see. Many other systems lag 6 seconds. **1/100th second accuracy** as by a third party the USAF.
15. **Split** Times shown for Lap Count Reliably. Needed for indoor tracks.
16. **Localized server method** that instantly pushes to the cloud versus a CLOUD talk first approach.
17. **The Event Planner.** (Allows for scheduling mass number of events quickly.)
18. **Trading of tags** between participants and events.
19. **Unattended Automated** systems like Trail Runs and Indoor Tracks.
20. **Verizon Data Cellular** (not hot spots) economical set up for many way points for PATH events.
21. **vGPS for tracking participants.** Everyone gets tracked not just those with cell phone.
22. **Registration** and Fundraising. Unique method allows for highest average contributions.
23. **Eight different ways to Start an Event.**
24. **Automatic Photos** and Sensor Connectivity.

Because of the software features, time more types of events than mat systems. Set up and take down quickly. No cleaning of mats. Time the largest of races to the smallest economically. **"Space Age Timing."**

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