

# CICADA & SWISSTIMING QUANTUM

## Connection Manual

### 1. Connecting the software.

#### Hardware Part

The following figure shows the data output interface of the device, using Serial1 or Serial2 can be selected in the software.



However, since the serial port of this device is RS422 interface, the computer needs RS232 interface, so we need to use a converter, as shown in the following figure.



Finally connect to your computer through the converter shown in the image below.



## Software Part

Enable Scoreboard Feed on Quantum. Select data type as “OSM6”.

1-1/2: M - 400 m FR - Heat PrimaryOn Air 04:10:34

Settings I/Os Pool config. Pool test Timing Bat 2: 13.5V

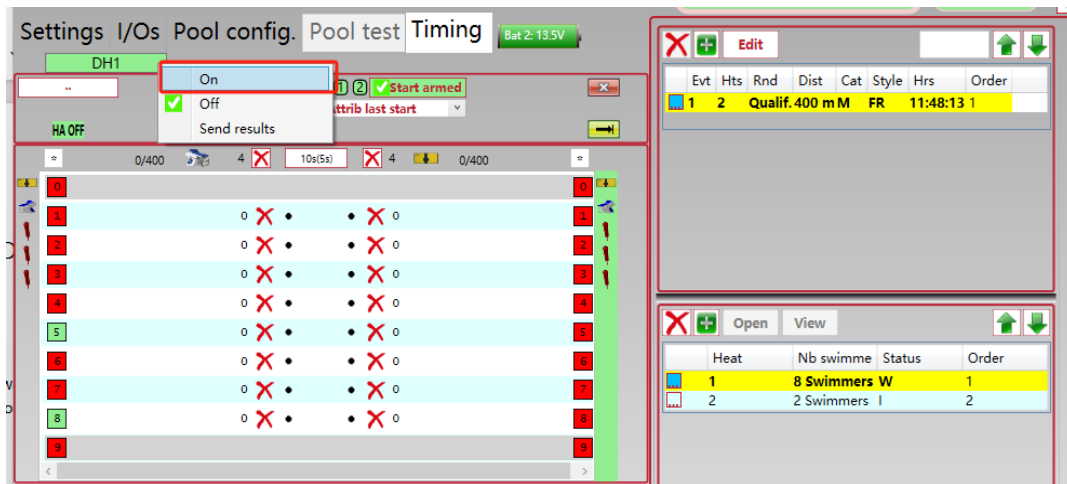
**IO Setup**

|      |                      |         |                                     |
|------|----------------------|---------|-------------------------------------|
| SCB1 |                      |         | <input type="checkbox"/>            |
| SCB2 |                      |         | <input type="checkbox"/>            |
| SCB3 |                      |         | <input type="checkbox"/>            |
| DH1  | Serial2 (9600,n,8,1) | DH OSM6 | <input checked="" type="checkbox"/> |
| DH2  |                      |         | <input type="checkbox"/>            |

Save/load settings  
Id:  ..

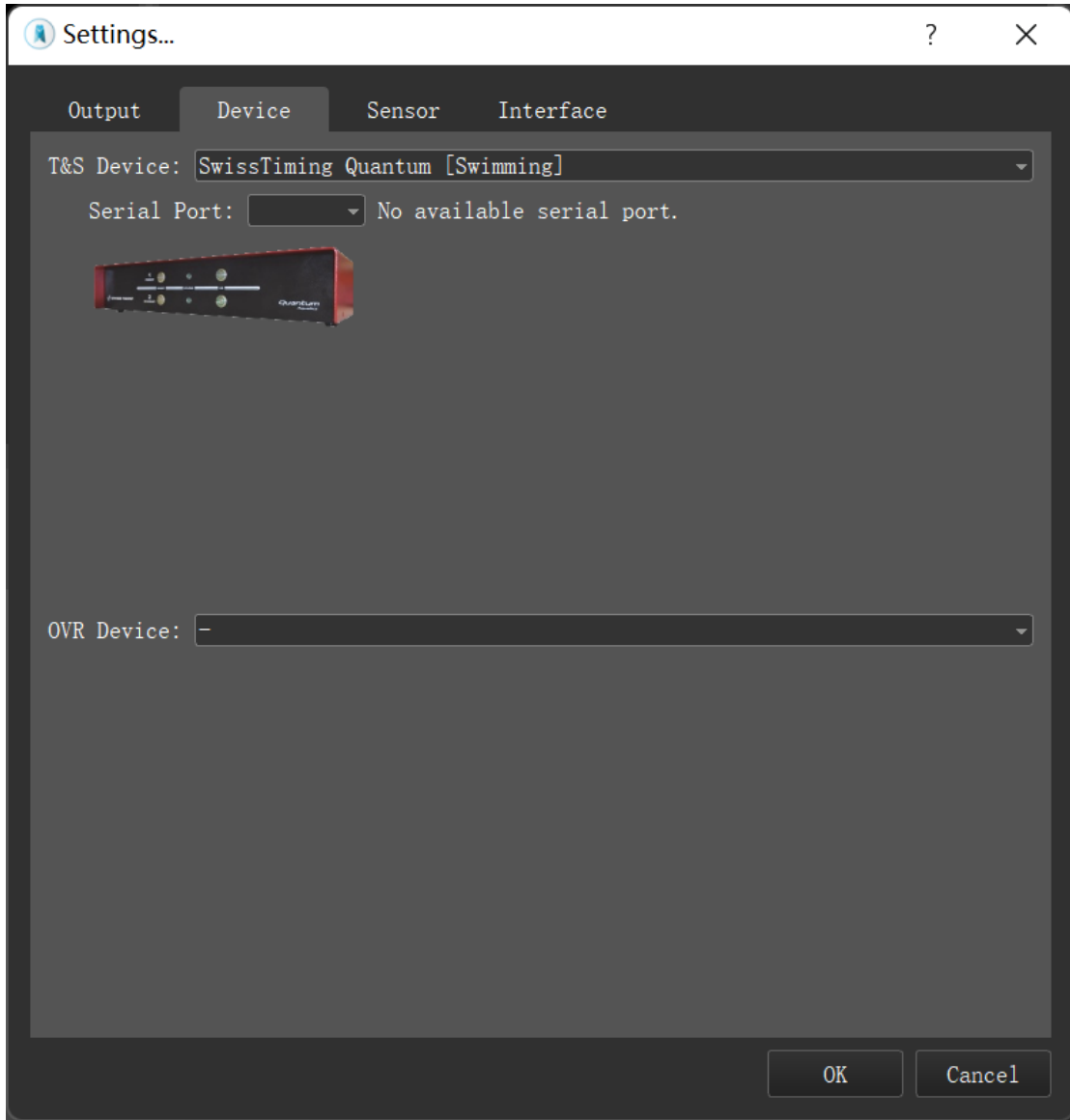
**IODH\_OSM6Params**

- 1:Serial port settings
  - a:Port Serial2
  - b:Settings 9600,n,8,1
  - c>Show Spy
- 2:Options
  - a:TP period 1
  - b:TP String TP
  - c:Send button times
  - d:Send DNF,DSQ



Connect an RS422 to RS232 cable onto the “Serial 1” or “Serial 2” port on Quantum.

Setup the available serial port of SwissTiming Quantum in CICADA.



2. The following variables was supported

| Name                                      | Description                    | Usage  |
|---|--------------------------------|--|
| <b>General Information</b>                |                                |  |
| <i>Match:Event</i>                        | Name of the event              |  |
| <i>Match:Heat</i>                         |                                |  |
| <i>Match:TotalHeat</i>                    |                                |  |
| <b>Startlist of Current Heat</b>          |                                |  |
| <i>Heat:Startlist:Pos[N]:Lane</i>         |                                |  |
| <i>Heat:Startlist:Pos[N]:Bib</i>          |                                |  |
| <i>Heat:Startlist:Pos[N]:AthleteName</i>  |                                |  |
| <i>Heat:Startlist:Pos[N]:TeamName</i>     |                                |  |
| <i>Heat:Startlist:Pos[N]:TeamCountry</i>  |                                |  |
| <i>Heat:Startlist:Pos[N]:AthletePhoto</i> |                                | Background Image   |
| <i>Heat:Startlist:Pos[N]:Time</i>         |                                |  |
| <i>Heat:Startlist:Pos[N]:HeatRank</i>     |                                |  |
| <i>Heat:Startlist:Pos[N]:Rank</i>         |                                |  |
| <i>Heat:Startlist:Pos[N]:IRM</i>          |                                |  |
| <b>Realtime Split Time</b>                |                                |  |
| <i>SplitRank[N]:Lane</i>                  |                                |  |
| <i>SplitRank[N]:AthleteName</i>           |                                |  |
| <i>SplitRank[N]:TeamName</i>              |                                |  |
| <i>SplitRank[N]:Time</i>                  |                                |  |
| <i>SplitRank[N]:Gap</i>                   | Gap between the fastest Player |  |
| <b>Heat Result</b>                        |                                |  |
| <i>HeatResults:Pos[N]:Rank</i>            | Current heat rank              |  |
| <i>HeatResults:Pos[N]:Lane</i>            |                                |  |
| <i>HeatResults:Pos[N]:AthleteName</i>     |                                |  |
| <i>HeatResults:Pos[N]:TeamName</i>        |                                |  |
| <i>HeatResults:Pos[N]:Time</i>            |                                |  |
| <i>HeatResults:Pos[N]:IRM</i>             |                                |  |
| <b>Heat Result by Lane</b>                |                                |  |
| <i>Lane[N]:Rank</i>                       |                                | Used to display player information on the lane at the end of the race. |
| <i>Lane[N]:AthleteName</i>                |                                |  |
| <i>Lane[N]:TeamName</i>                   |                                |  |
| <i>Lane[N]:Time</i>                       |                                |  |
| <i>Lane[N]:IRM</i>                        |                                |  |
| <b>Results</b>                            |                                |  |
| <i>Results:Pos[N]:Heat</i>                |                                |  |
| <i>Results:Pos[N]:Lane</i>                |                                |  |
| <i>Results:Pos[N]:Bib</i>                 |                                |  |
| <i>Results:Pos[N]:AthleteName</i>         |                                |  |
| <i>Results:Pos[N]:Athlete[N]Name</i>      |                                | Names of relay player.   |
| <i>Results:Pos[N]:TeamName</i>            |                                |  |
| <i>Results:Pos[N]:TeamCountry</i>         |                                |  |
| <i>Results:Pos[N]:AthletePhoto</i>        |                                | Background Image   |
| <i>Results:Pos[N]:Time</i>                |                                |  |
| <i>Results:Pos[N]:HeatRank</i>            |                                |  |
| <i>Results:Pos[N]:Rank</i>                | Total Rank                     |  |
| <i>Results:Pos[N]:IRM</i>                 |                                |  |
| <b>Selected Player</b>                    |                                |  |

|                                      |                   |                        |
|--------------------------------------|-------------------|------------------------|
| <i>SelectedPlayer:Heat</i>           |                   |                        |
| <i>SelectedPlayer:Rank</i>           |                   |                        |
| <i>SelectedPlayer:Bib</i>            |                   |                        |
| <i>SelectedPlayer:AthleteName</i>    |                   |                        |
| <i>SelectedPlayer:Athlete[N]Name</i> |                   | Names of relay player. |
| <i>SelectedPlayer:TeamName</i>       |                   |                        |
| <i>SelectedPlayer:Country</i>        |                   |                        |
| <i>SelectedPlayer:PlayerPhoto</i>    |                   | Background Image       |
| <i>SelectedPlayer:Time</i>           |                   |                        |
| <i>SelectedPlayer:HeatRank</i>       |                   |                        |
| <i>SelectedPlayer:Rank</i>           | Total Rank        |                        |
| <b>Records</b>                       |                   |                        |
| <i>Record[N]:Code</i>                | Event record code |                        |
| <i>Record[N]:Name</i>                |                   |                        |
| <i>Record[N]:Athlete</i>             |                   |                        |
| <i>Record[N]:Organization</i>        |                   |                        |
| <i>Record[N]:Value</i>               |                   |                        |
| <i>Record[N]:Date</i>                |                   |                        |