USER MANUAL

LOOPCASE

PRODUCT CODE: LC

Contents:

1 Kit content

- uRTime Loopcase
- Large aerial
- Aerial cable
- Double wire loop
- Junction box
- Loopcase cable (orange and black)

2 Basic principles

The wire loop powered by the Loopcase activates the chips when they cross it.

The chips broadcast their unique codes and the loop ID.

The aerials receive this signal, which is transferred into the Loopcase and which in turn pushes it to the u800.

The times and chip numbers are stored in a text file in the u800.

The content of the file can be sent online from the u800, using the usual *Network* menu.

3 Setting it up

In this section, you will find any information to setup the Loopcase for a race. The Orange arrow is the way the runners will cross the line.
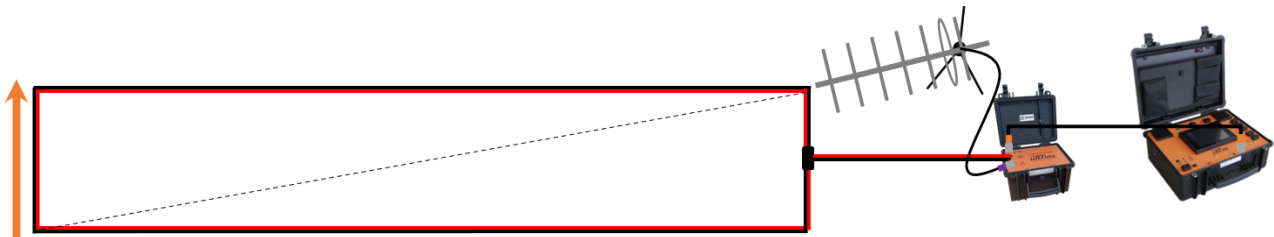
3.1 The loop

- On dry asphalt: fasten the wire to the ground with duct tape.
- On wet asphalt: use a cone or something heavy to maintain your loop's corners in place. You can also place the wire into plastic pipes at the corners.
- On soft ground: use mats to cover the loop or dig and place the loop up to 10cm into the ground.

In any case, there should be a 60cm to 120m between both sides of your loop.

Plug the loop's ends into the Loopcase.

> ⚠ CAUTION: Keep the loop wire straight, don't create a node to make the loop shorter.

3.2 The aerials

- The small one is enough for narrow splits (less than 2m wide). You can plug this one directly onto the Loopcase.
- For anything wider than this, use the larger aerial. Place it 1m after the loop, as shown above. Use a tripod, and the aerial cable to connect it to the Loopcase.

3.3 Active mode

In the u800, launch the Active mode. The uRTime app will reboot.

3.4 Connecting decoders

Use the cable with orange connectors to connect the Loopcase already setup to the u800. Use the u800's satellite/auxiliary port.

4 The Active interface on the u800

- *Trigger button*: activates/deactivates the loop. The loop is what drains the u800's battery the most. Deactivating it saves battery life.
- *Measurement button*: activates/deactivates the aerial.
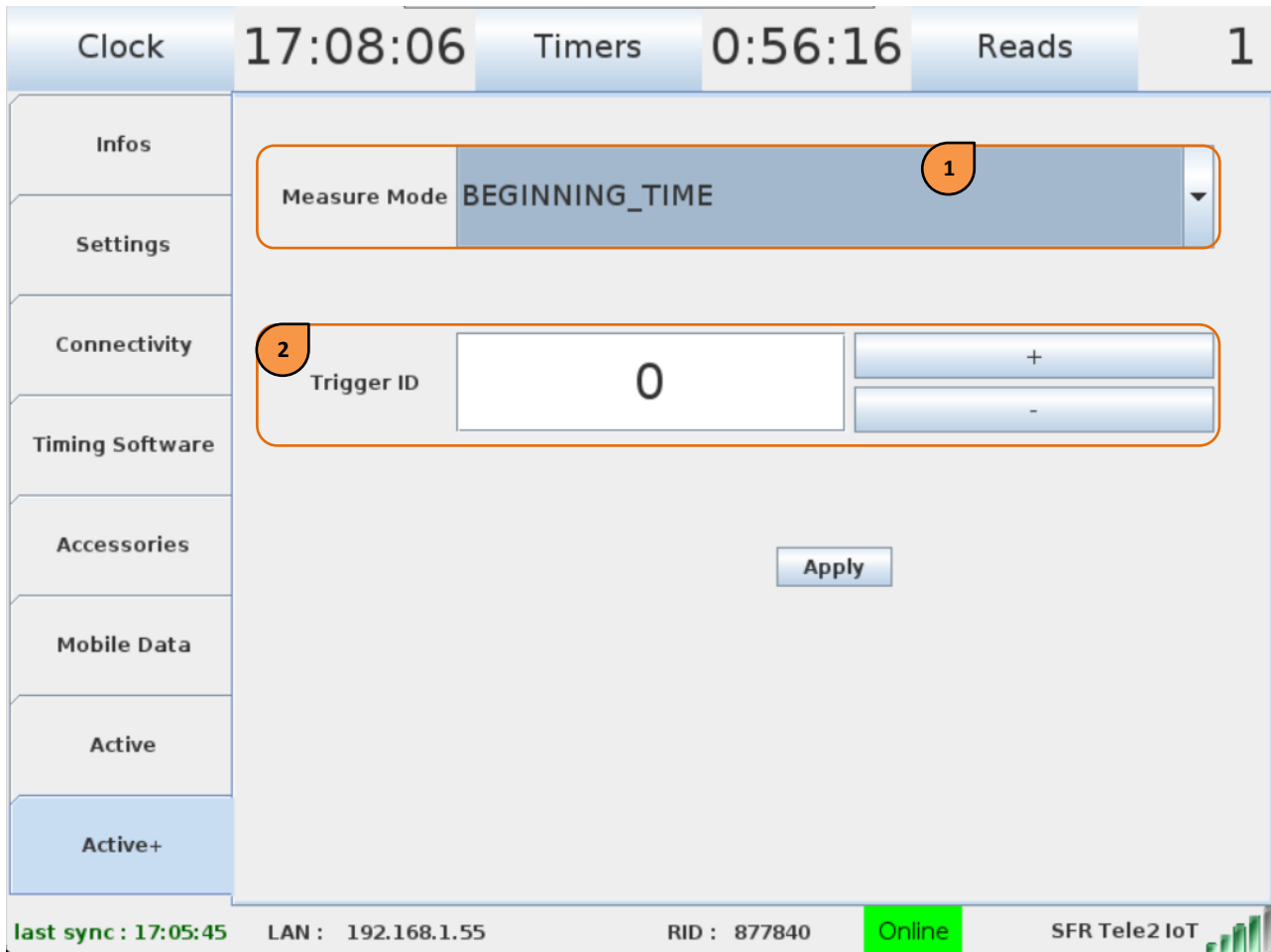
- *Measure Mode* (Configure menu): you can select either *Beginning time* (record time as soon as the chip is read) or *Mid time* (wait for the signal maximum to record the time, this is more accurate but takes longer to display the time). Click *Apply* to save the changes.
- *Trigger ID* (Configure menu): The signal sent by the chip contains the loop ID, which can be changed in this menu. In case you're using several loops in one location (main and backup for example), you can use different loop IDs in each decoder. Each decoder will read tags crossing its own loop ID only. Click *Apply* to save the changes.

5   Tag checker

The tag checker is a desktop solution to scan tags one by one and map their codes to bib numbers. The code of each tag scanned can be copied into an Excel file (for example) next to the bib numbers column.

You'll need to run the Keyboard Emulator to use it, available on support.urtime.net.

6   Remarks

6.1   Tag codes

The tag codes are printed on them and displayed on the u800 in hexadecimal format. This allows a quick identification of tags read for pre-race checks and tests.

 Your scoring software will display them in decimal format.

6.2   Battery

The Loopcase is light and small. It uses the u800's power and has no internal battery.

6.3   Detection files

When switching to Active mode on the u800, previous Passive files are moved to the *Outsaves* folder.