User Manual: Application

TRIMCONTROL™ SOLUTIONS

THE FUTURE OF TELLTALE

User Manual

For the application to recognize the connection, the receiver must be connected via USB to the PC before launching the application.

Note: The application records all user actions and data received from the E-Telltale in a log file. At each operating moment, new data is added without losing the old ones. When the file exceeds 50MB, it is dated and saved in the same folder.

Path: "C:\Users\XXX\AppData\Roaming\solutions.trimcontrol.app\logs"

E-Telltale basic

TRIMCONTROL™ SOLUTIONS

Cable 2,50m

Waterproof Binders

Custom Length

USB RS232 (Serial)
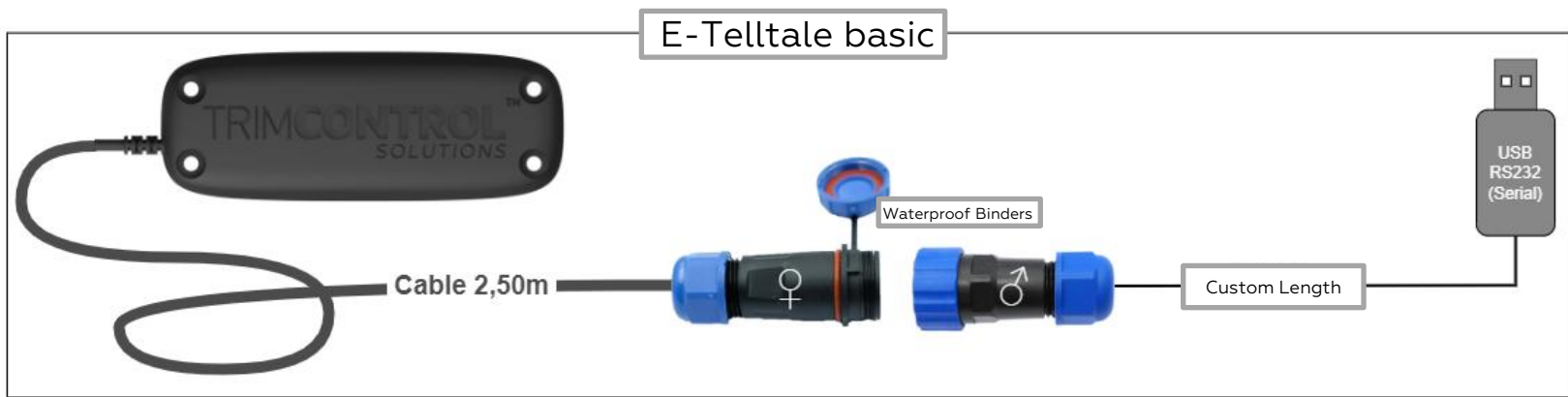
Configuration

Upon the first launch of the TrimControl application, you will encounter a configuration window. Here, you will enter the name of your boat and the number/type of sails you wish to equip with E-Telltales.
It will be possible to activate UDP forwarding to Adrena.

Uninstalling and reinstalling the software does not erase the current configuration.

Configure your boat
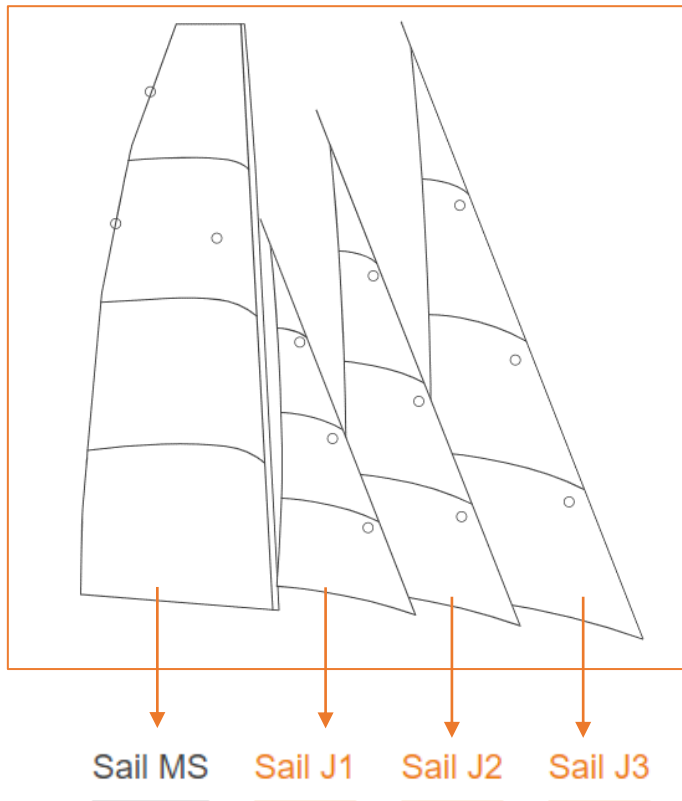
Language selection :

Boat name *

TrimControl

Sails equipped *

4 selected of 4

☑ J1
☑ J2
☑ J3

Enable UDP for Adrena

☑ Default adress : 127.0.0.1 - Port : 1234

Connectivity

Serial (USB)

* : mandatory

Ok

Configuration

Each E-Telltale can be assigned to a specific location within each sail.

Sail MS   Sail J1   Sail J2   Sail J3

You will be able to access the configuration by exiting the live view.
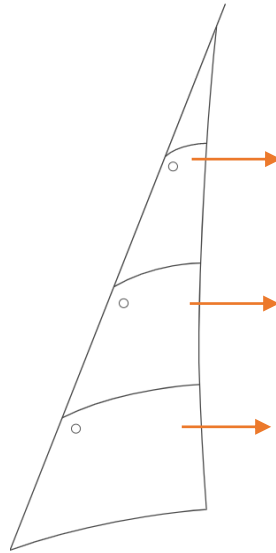
Front Sails

Telltales up J1

Portside   XX-XX-XX   Starboard   XX-XX-XX

Telltales middle J1

Portside   XX-XX-XX   Starboard   XX-XX-XX
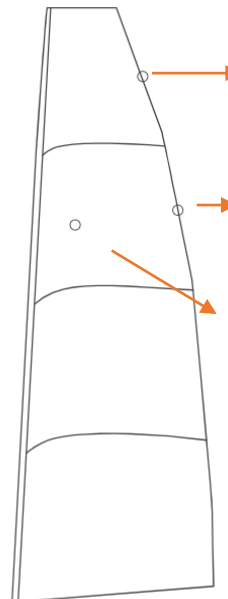
Telltales down J1

Portside   XX-XX-XX   Starboard   XX-XX-XX

Main Sail

Telltale up leech MS

XX-XX-XX

Telltales luff MS

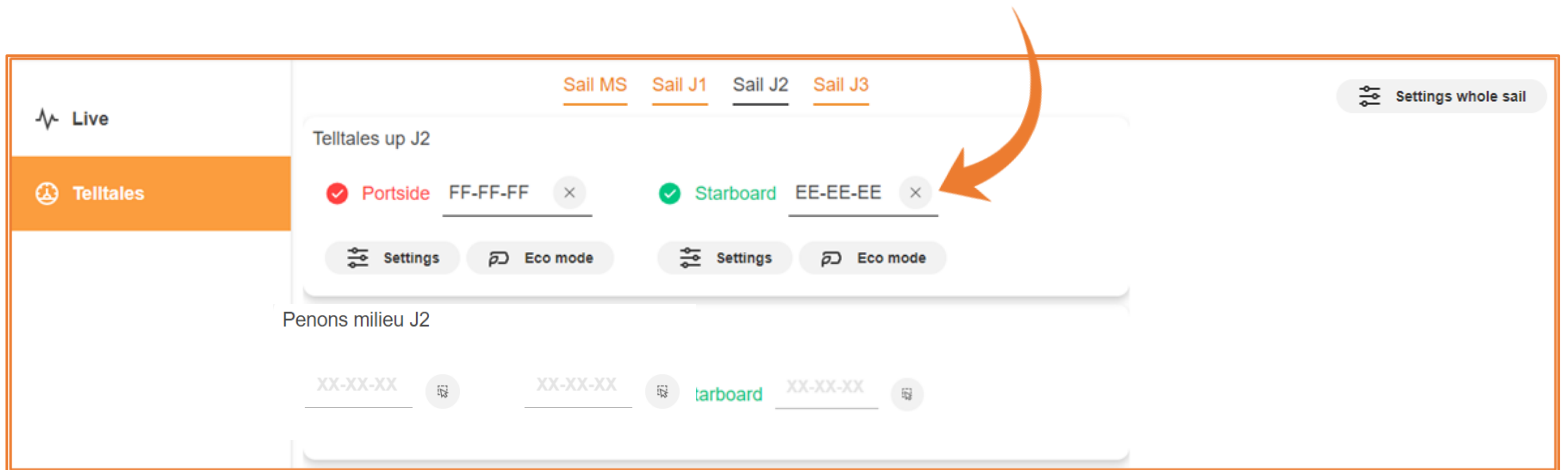Portside   XX-XX-XX   Starboard   XX-XX-XX
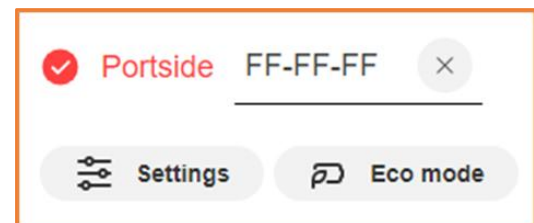
Telltale down leech MS

XX-XX-XX

To assign a E-Telltale to a position, click on the icon next to the grayed-out identifier of the sensor.

Enter the identifier of your sensor. Each E-Telltale has a single, unique, non-modifiable identifier consisting of 6 characters. This identifier is written on the back.
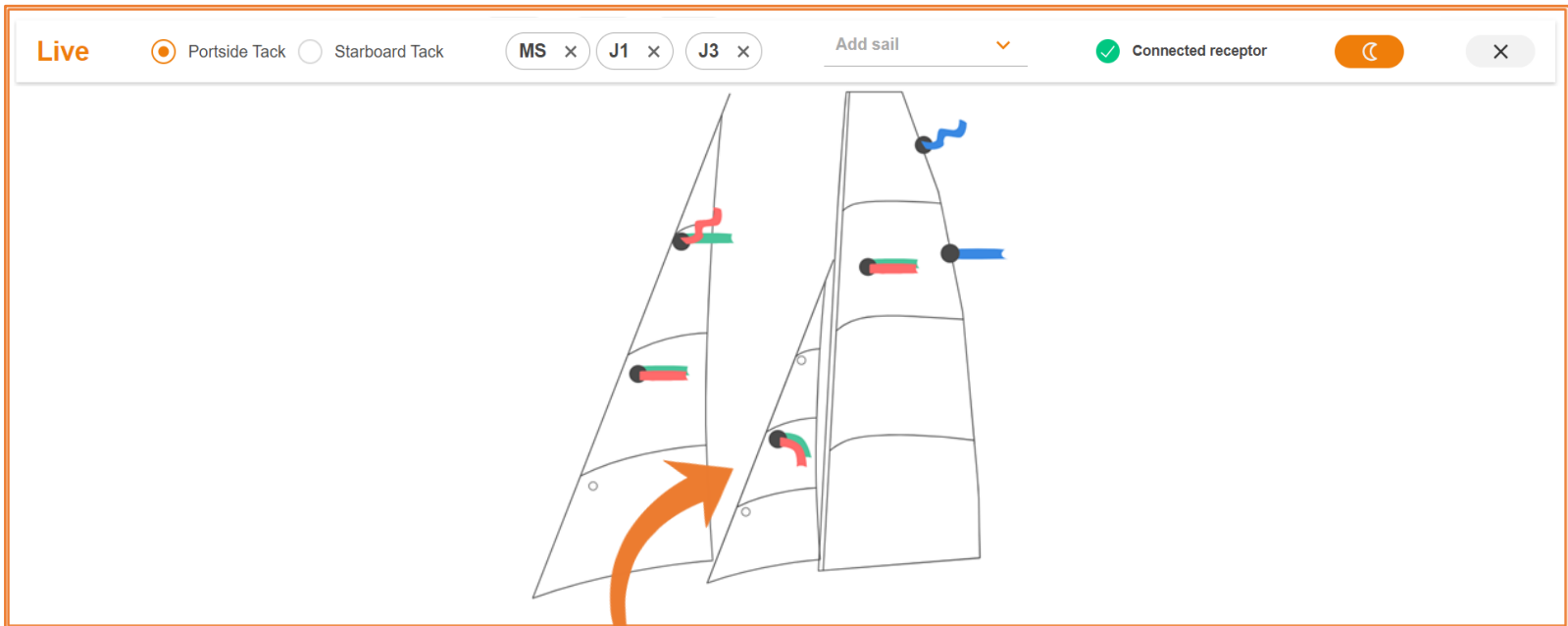

Optional settings explained below

From this moment on,
if the sensor is communicating,
the configuration is already
operational.

You can now sew the E-Telltale onto its adhesive
and stick it onto the sail in a similar area to where
the Telltales are already present. Remember to clean
the area for a better adhesion.

Display

Check off to hide

Dropdown menu to display the sails.

Choice of tack

Live   ⦿ Portside Tack   ◯ Starboard Tack   (MS ✕) (J1 ✕) (J3 ✕)   Add sail ⌄   ✓ Connected receptor   ☾   ✕

Visualization of the state of your Telltales

8

Display

eTellTale
Top J1

eTellTale
Mid J1

eTellTale
Low J1
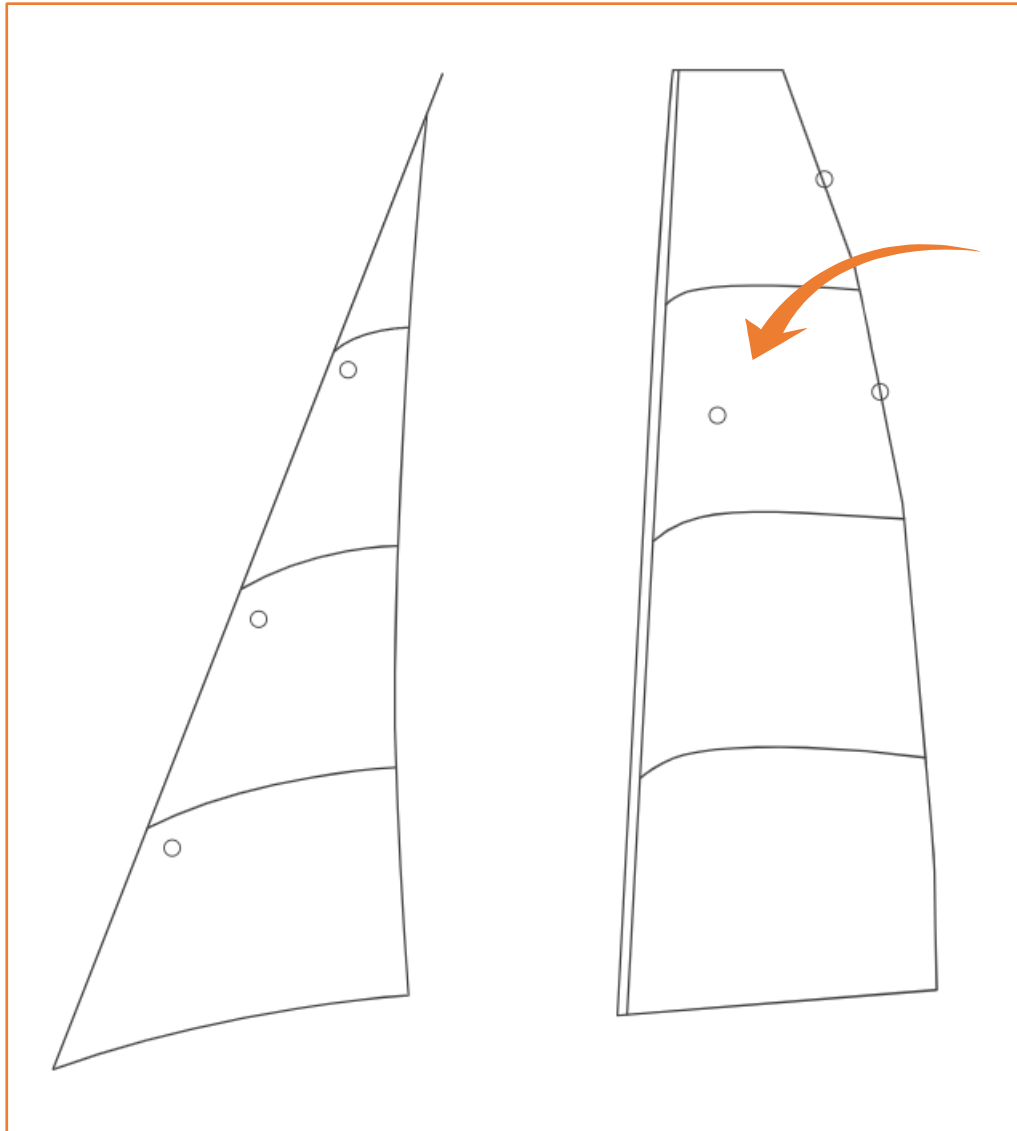
eTellTale
Leech Top MS

eTellTale
Luff MS

eTellTale
Leech Low
MS

Placements are the same for J1, J2 and J3

Maximum of 6 eTellTale per front sail, the App can display up to 22 eTellTale at
the same time

The eTellTale is on a nice trimmed part of the sail during the 20 last seconds (according to the default setting)

LAMINAR
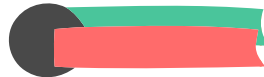
The eTellTale is moving a lot, the sail is not trimmed perfectly

TURBULENT

REST
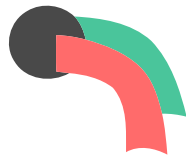
The eTellTale is not moving enough to have a defined state

ENERGY SAVING

UNKNOWN

No signal received by receptor from this eTellTale

Display
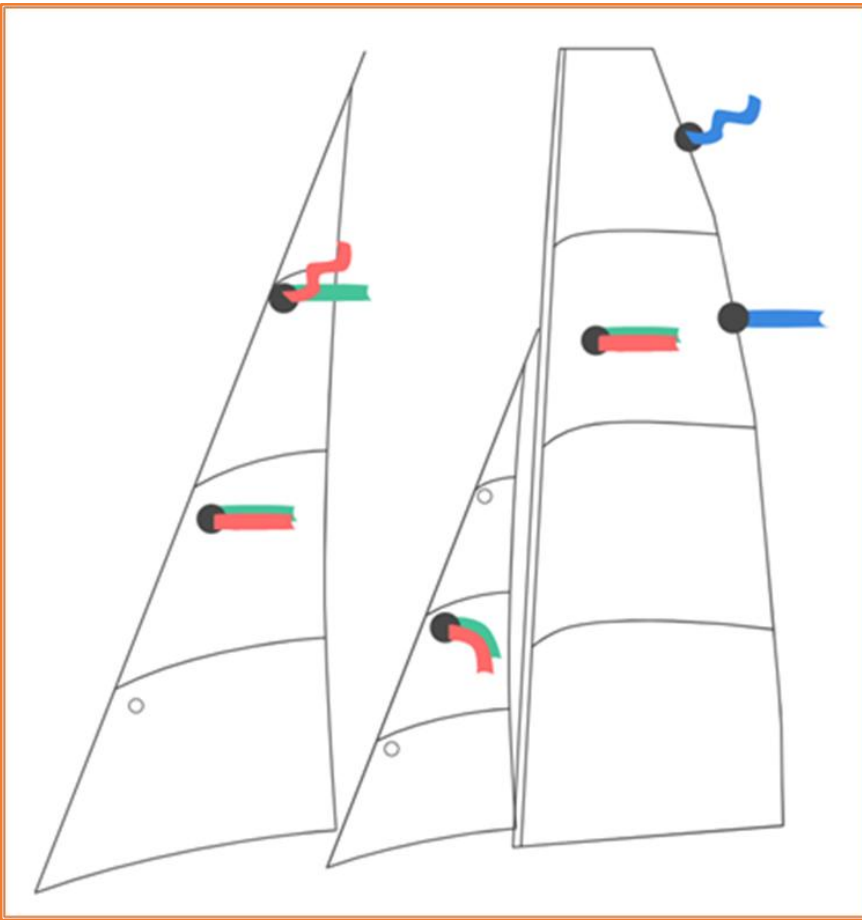
MS + J1 + J3 Partially equipped

Top intrados of J1 is turbulent.
J3 is furled, so the states are on "Rest".

Standard Deviation (used to determine the current state):
A higher number will provide a more reliable value, but it will also result in more temporal smoothing.

Thresholds : You can modify the upper and lower limits of the E-Telltale laminar state yourself, either per E-Telltale or for an entire sail.
Example: Your sail is very well adjusted, but the app indicates turbulent?
⇒ *Increase the upper limit.*
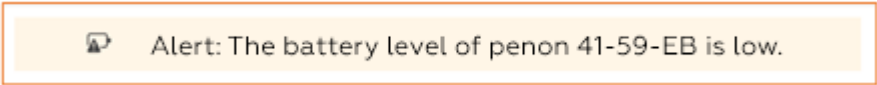*You can always return to the original values with the top button.*

Additional Information

Power saving mode :
Use this mode to preserve the battery of the device.
Especially if it's stored without light.

⚡ Sail MS . What do you want to do ?

Go to Eco mode.

Leave Eco mode

Ok

✓ Starboard   41-59-EB   ✕

⚙ Settings   ⚡ Eco mode

0 / 2
Set eco mode for all
telltales (41-59-EB in
progress)
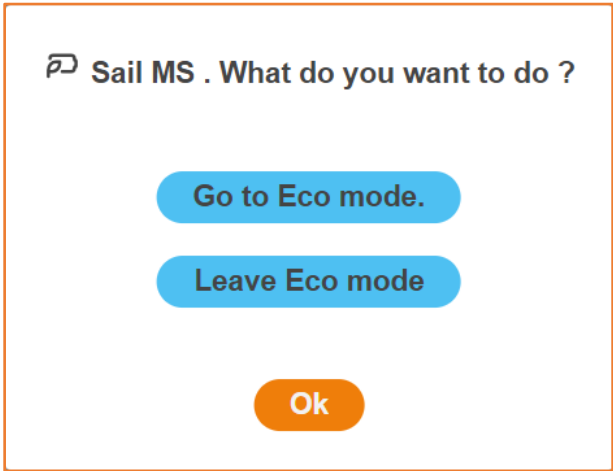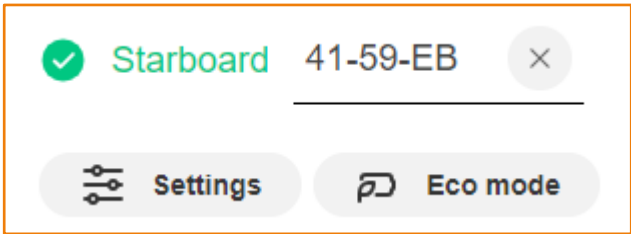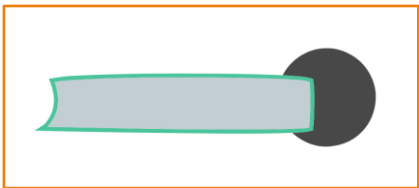
An alert will be displayed if the E-Telltale battery is low.
Charging is slow.

⚡ Alert: The battery level of penon 41-59-EB is low.

It is possible to disconnect or reconnect the receiver from the dropdown menu at the top right corner.
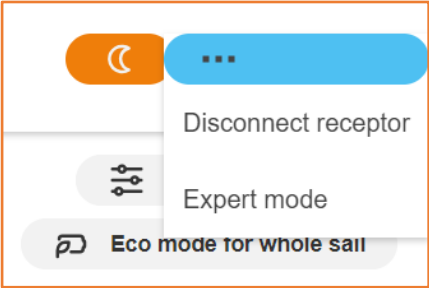
You can observe how your penons communicate with the receiver in the communication tab. The format is the following :

Date Time - $PENON, frame number, ID, temperature-corrected value, battery voltage, temperature, argument sent, returned argument, raw value * checksum

Received frame from E-telltale 41-59-D5

Value returned

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