

User Manual: Application



TRIMCONTROLTM
SOLUTIONS

THE FUTURE OF TELLTALE



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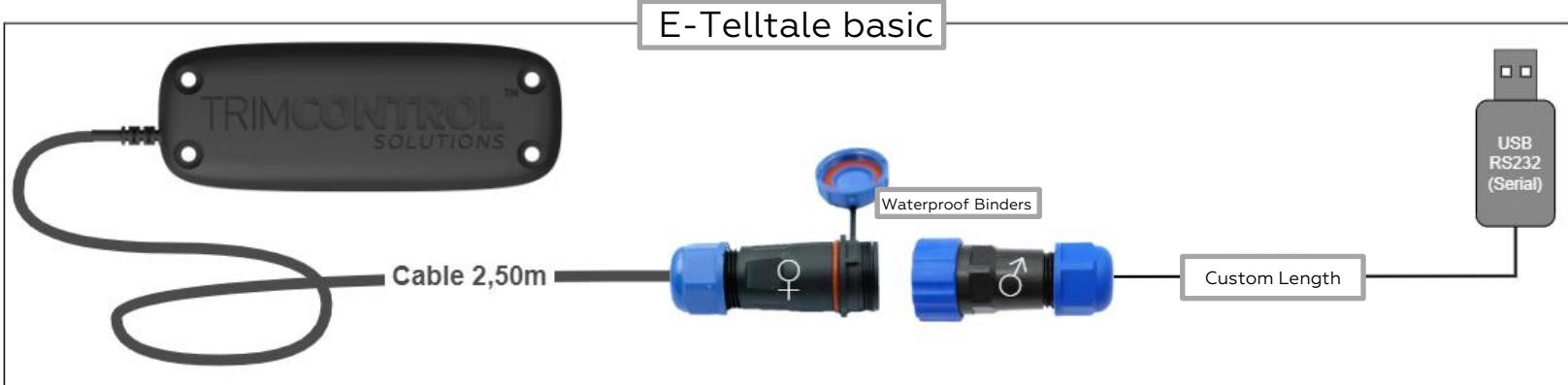
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For the application to recognize the connection, the receiver must be connected via USB to the PC before launching the application.

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"



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 *

Sails equipped * 4 selected of 4 

- J1
- J2
- J3

Enable UDP for Adrena  Default adress : 127.0.0.1 - Port : 1234

Connectivity Serial (USB) 

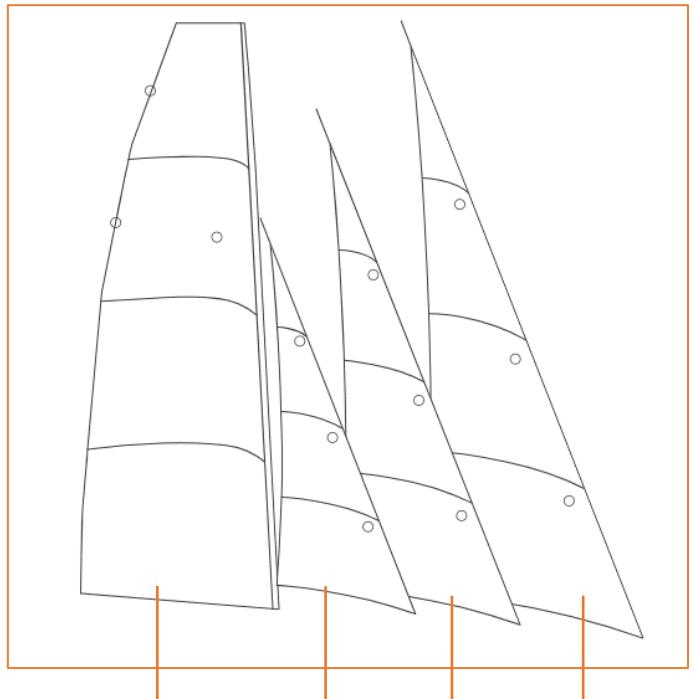
* : mandatory

Ok

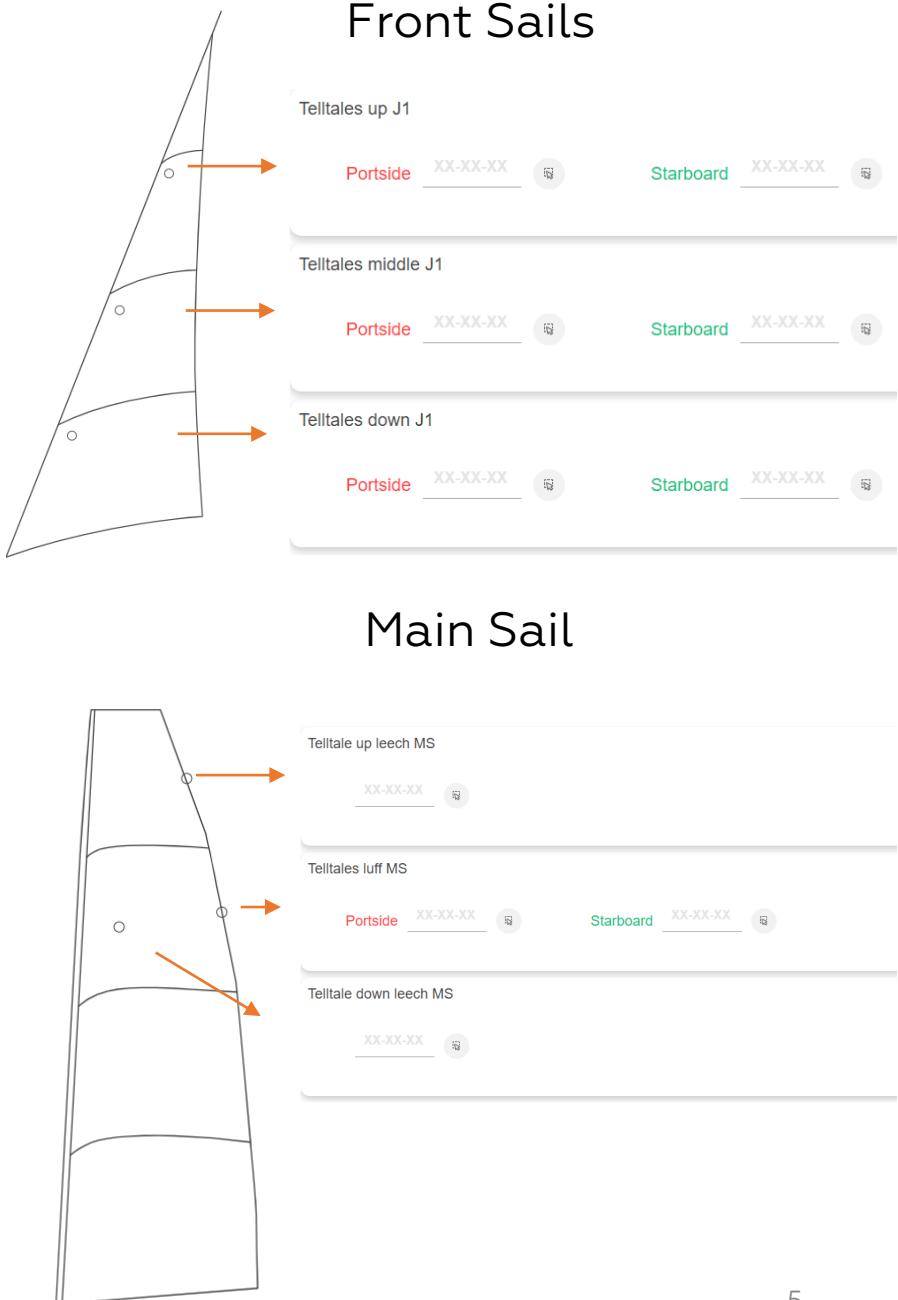
Configuration

First installation

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



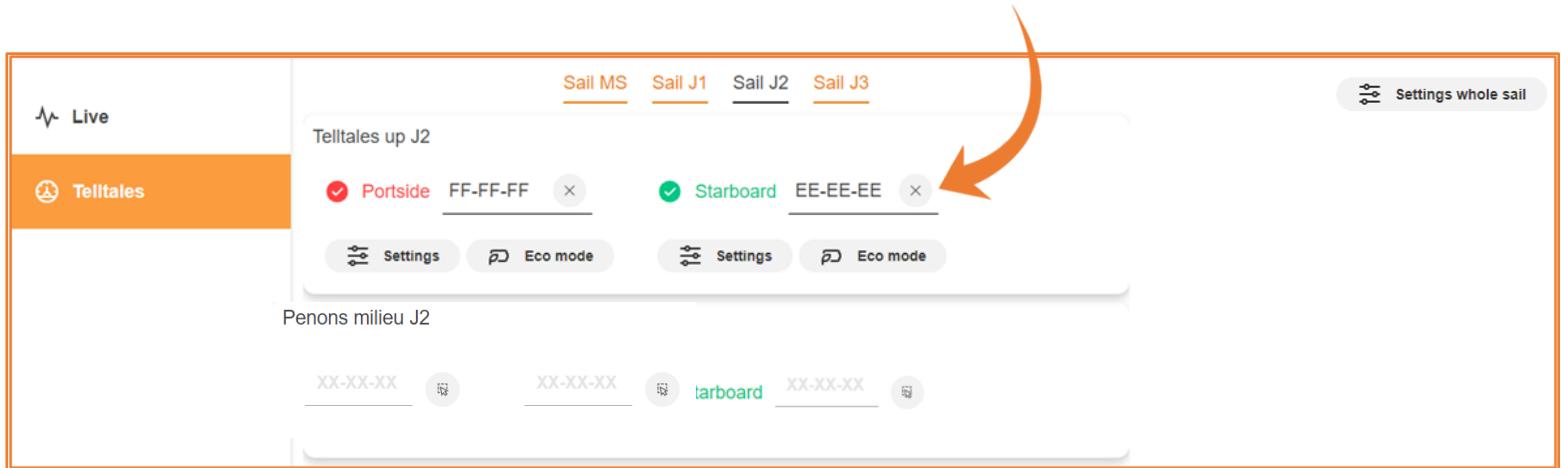
You will be able to access the configuration by exiting the live view.



Configuration

Add an E-Telltale

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.

Please enter telltale id

CancelValidate

✓ Portside FF-FF-FF

SettingsEco mode

Optional settings explained below

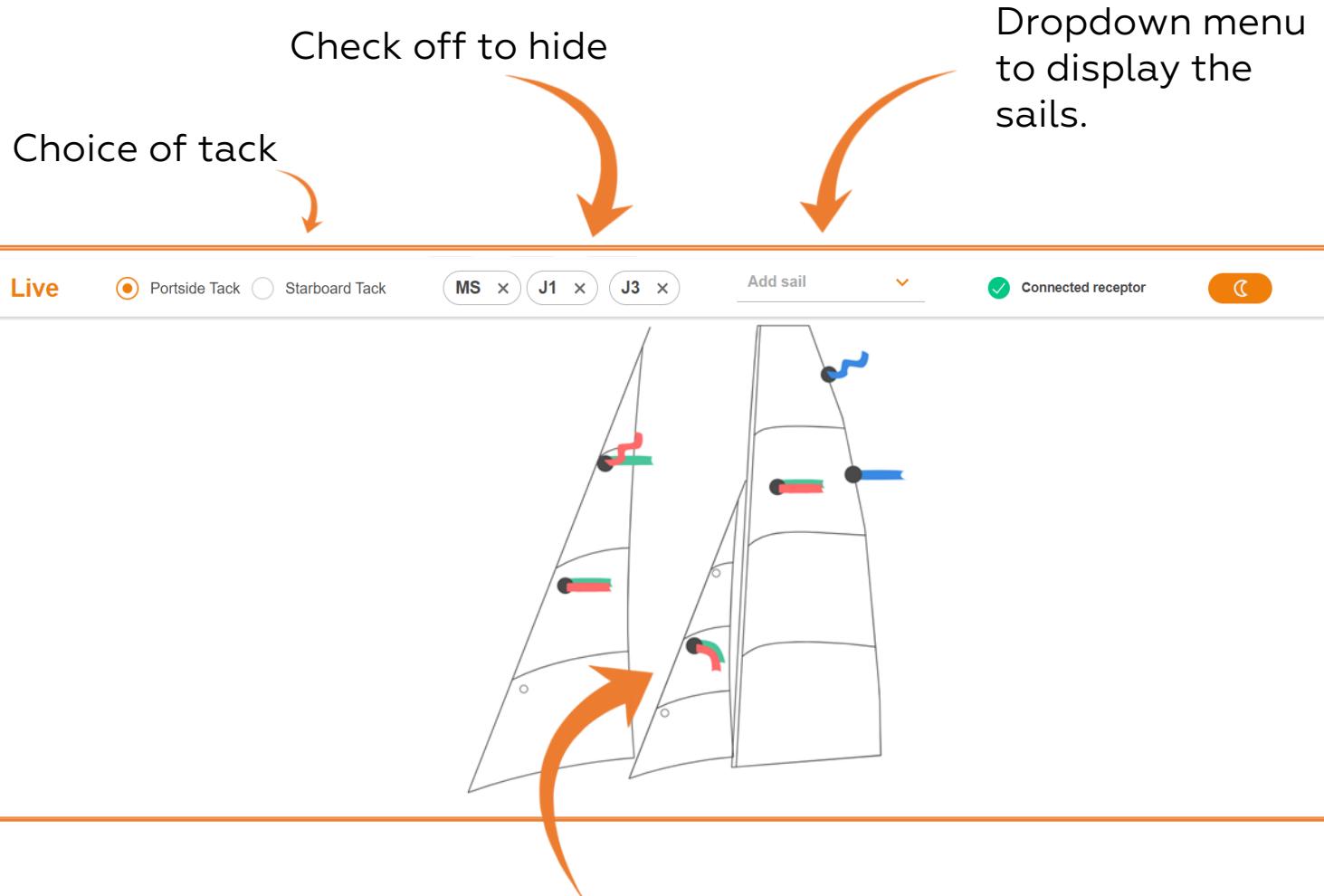
Configuration

End of configuration

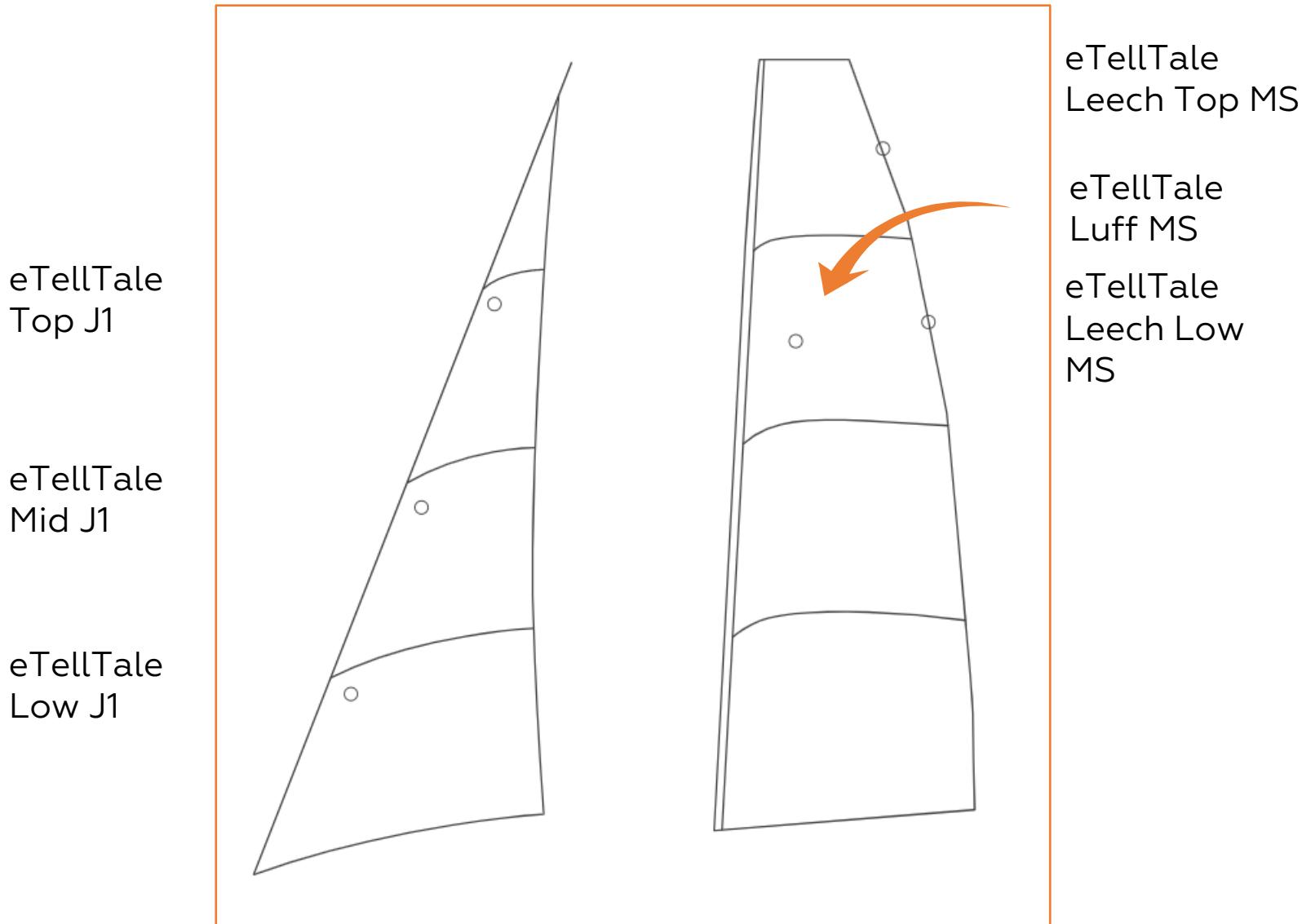


From this moment on,
if the sensor is communicating,
the configuration is already
operational.

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.



Visualization of the state of your Telltales

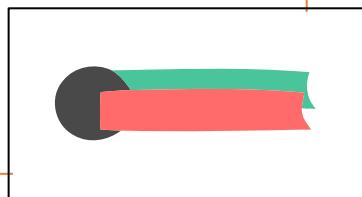


Placements are the same for J1, J2 and J3

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

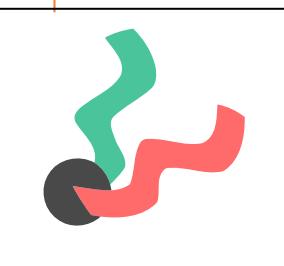
The eTelltale is on a nice trimmed part of the sail during the 20 last seconds (according to the default setting)

LAMINAR

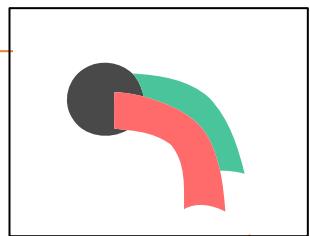


The eTelltale is moving a lot, the sail is not trimmed perfectly

TURBULENT

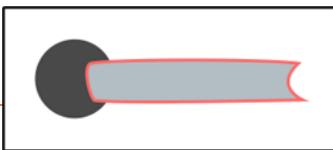


REST



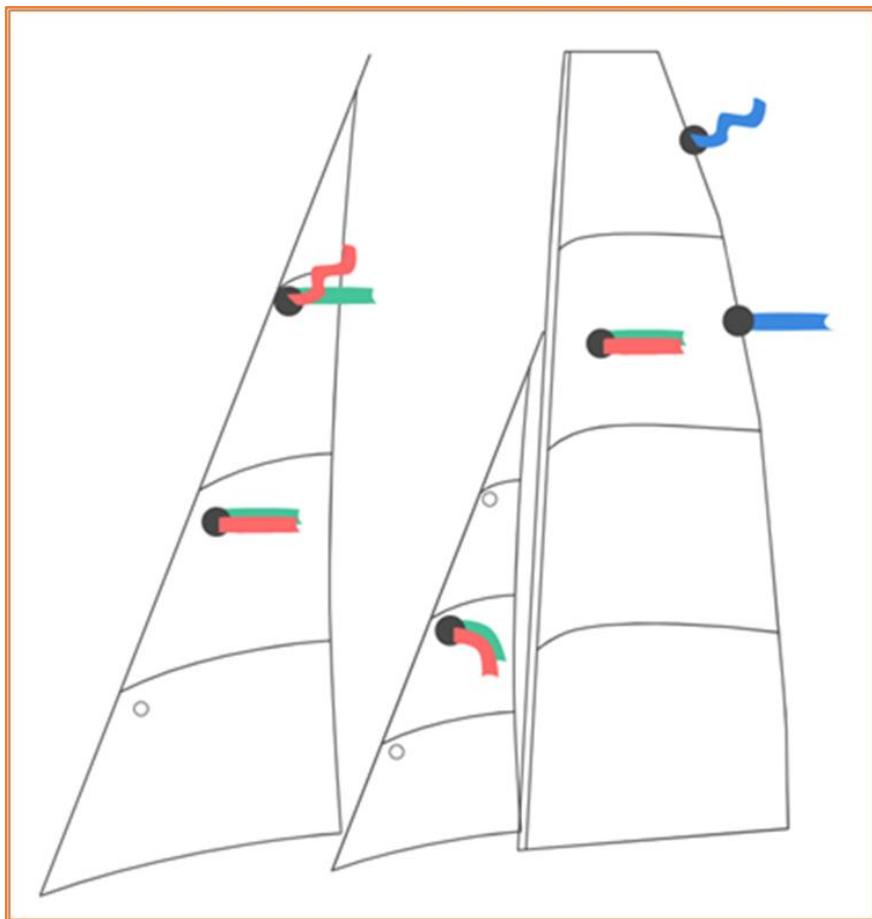
The eTelltale is not moving enough to have a defined state

ENERGY SAVING



UNKNOWN

No signal received by receptor from this eTelltale



MS + J1 + J3 Partially equipped

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

Additional Information

E-Telltale adjustments

 Sail J2 **Default Settings**

Number of points (standard deviation)
20

Thresholds



Laminar low threshold : 20 - Laminar high threshold :
90

Warning : those values will be used for all telltales of sail Sail J2

Cancel **Validate**

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.

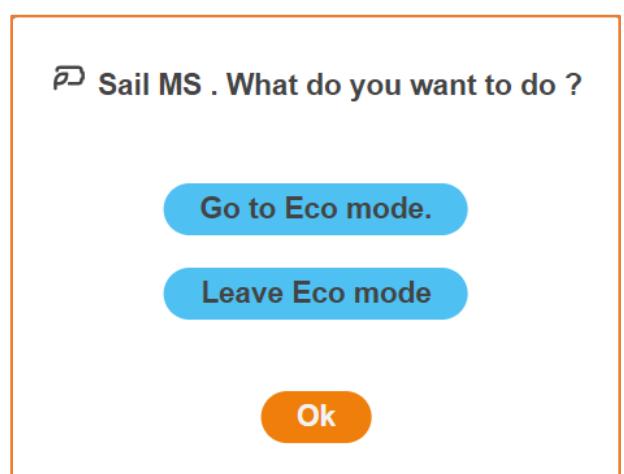
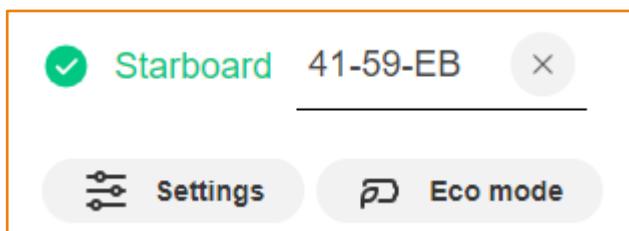
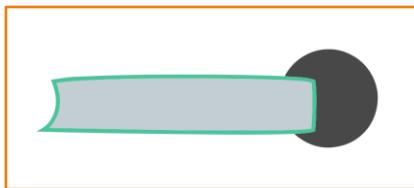
*Example: Your sail is very well adjusted, but the app indicates turbulent?
⇒ Increase the upper limit.*

You can always return to the original values with the top button.



Power saving mode :

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



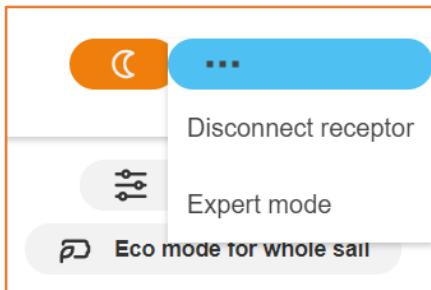
An alert will be displayed if the E-Telltale battery is low. Charging is slow.

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

Additional Information

Reconnect, Communication

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

The screenshot shows the TrimControl application interface. The 'Communication' tab is active. The main window displays a list of received frames in a table format. The first column shows the date and time, the second column shows the received frame data, and the third column shows the returned frame data. Several lines in the list are highlighted with a red box, and a red arrow points from the 'Communication' tab to these highlighted lines. The left sidebar shows tabs for 'Live', 'Penons', 'Communication' (which is selected and highlighted in orange), and 'Récepteur'. The top right corner of the window has a 'Disconnect receptor' button and a '...' button.

Date Time	Received frame	Value returned
31/03/2023 09:43:54	\$PENON,053,41-5A-01,+3337,2,803,+16.37,+000,+000,+000,+3337*3D	
31/03/2023 09:43:54	\$PENON,032,41-59-D5,+3319,2,759,+16.50,+000,+000,+000,+3319*3C	
31/03/2023 09:43:54	\$PENON,119,41-59-F5,+3351,2,757,+16.49,+000,+000,+000,+3351*3F	
31/03/2023 09:43:54	\$PENON,054,41-5A-01,+3337,2,803,+16.35,+000,+000,+000,+3337*38	
31/03/2023 09:43:54	\$PENON,033,41-59-D5,+3317,2,759,+16.51,+000,+000,+000,+3317*33	
31/03/2023 09:43:55	\$PENON,120,41-59-F5,+3352,2,758,+16.47,+000,+000,+000,+3352*34	
31/03/2023 09:43:54	\$PENON,055,41-5A-01,+3337,2,802,+16.42,+000,+000,+000,+3337*38	
31/03/2023 09:43:55	\$PENON,034,41-59-D5,+3318,2,761,+16.47,+000,+000,+000,+3318*38	
31/03/2023 09:43:55	\$PENON,121,41-59-F5,+3350,2,756,+16.46,+000,+000,+000,+3350*3A	
31/03/2023 09:43:55	\$PENON,056,41-5A-01,+3337,2,801,+16.43,+000,+000,+000,+3337*39	
31/03/2023 09:43:55	\$PENON,035,41-59-D5,+3318,2,760,+16.47,+000,+000,+000,+3318*38	
31/03/2023 09:43:55	\$PENON,122,41-59-F5,+3349,2,756,+16.44,+000,+000,+000,+3349*3F	
31/03/2023 09:43:55	\$PENON,057,41-5A-01,+3337,2,802,+16.47,+000,+000,+000,+3337*3F	
31/03/2023 09:43:55	\$PENON,036,41-59-D5,+3318,2,759,+16.47,+000,+000,+000,+3318*31	
31/03/2023 09:43:55	\$PENON,123,41-59-F5,+3350,2,756,+16.42,+000,+000,+000,+3350*3C	
31/03/2023 09:43:55	\$PENON,058,41-5A-01,+3343,2,801,+16.39,+000,+000,+000,+3343*3A	
31/03/2023 09:43:55	\$PENON,078,F2-85-AA,+0302,3,075,+16.23,+000,+000,+0302*30	
31/03/2023 09:43:55	\$PENON,037,41-59-D5,+3324,2,760,+16.51,+000,+000,+000,+3324*3D	
31/03/2023 09:43:55	\$PENON,124,41-59-F5,+3350,2,759,+16.42,+000,+000,+000,+3350*34	
31/03/2023 09:43:55	\$PENON,059,41-5A-01,+3339,2,803,+16.42,+000,+000,+000,+3339*35	
31/03/2023 09:43:56	\$PENON,038,41-59-D5,+3318,2,759,+16.49,+000,+000,+000,+3318*31	
31/03/2023 09:43:56	\$PENON,060,41-5A-01,+3359,2,802,+16.35,+000,+000,+000,+3359*3E	
31/03/2023 09:43:56	\$PENON,039,41-59-D5,+3317,2,761,+16.48,+000,+000,+000,+3317*3A	
31/03/2023 09:43:56	\$PENON,126,41-59-F5,+3350,2,756,+16.44,+000,+000,+000,+3350*3F	
31/03/2023 09:43:56	\$PENON,061,41-5A-01,+3338,2,802,+16.43,+000,+000,+000,+3338*3E	
31/03/2023 09:43:56	\$PENON,040,41-59-D5,+3319,2,758,+16.43,+000,+000,+000,+3319*35	
31/03/2023 09:43:56	\$PENON,127,41-59-F5,+3351,2,760,+16.48,+000,+000,+000,+3351*37	



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