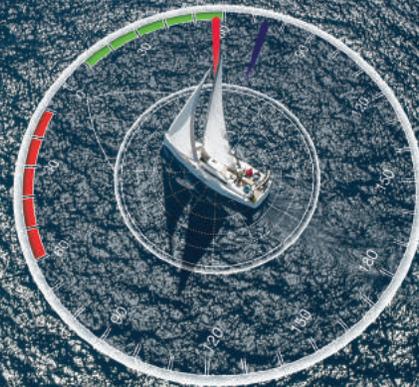


SAILMON

Parallel Universe and Expedition Raw data Setup instruction

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Sailmon Parallel Universe: (windows only)

Parallel universe is a program that allows the recording of raw sensor data from a Model E4 processor, no matter if it's done on 1hz or a 100hz it can be replayed, skipped and paused afterwards using an E4 black.

All Sailmon E4 processors can record data, while only the E4 black can replay this data.

Recorded data can be replayed on the same the day in real time with raw sensor data without having to go sailing again.

How to make a recording?

Start by making a backup from all your E4 settings. this can be done by going to

Menu → Settings → Backup in our navdesk program

Now locate the Parallel universe program, it can be found in Program files → Sailmon install folder → BIN

Start recording

Stop recording after sailing (As it is RAW data it can be a lot of data!)

How to replay data? (E4 Black only)

If you are replaying on the system you recorded on, just open Parallel universe and play the file you want to replay.

If you want to replay data from another boat:
Restore the backup file to your E4 Black
Open parallel universe and playback the file you want.

Data can be displayed in your favorite navigation program.

Expedition Raw data setup:

Once you have your initial commissioning right:
Compass swing
Check that compass is behaving as expected
MHU offset
BSP call value
Heel and pitch calibration

The parallel universe recordings become less relevant. All you want to do now it fill out your calibration lookup tables:

TWA table

TWS Table

BSP heel table

In order to do this we have introduced variables to calibrate your system:

TWArAw

TWSrAw

TWDrAw

AWArAw

AWSrAw

BSPrAw

These variables can be mapped to expedition for quick reference or to be reviewed by professional calibrators such as KND or Sailmon.

In Navdesk go to:

Menu → Setup → Networking → Expedition user channels → map these variables to User channels 0-32

In Expedition: Make sure you receive the correct user channels by enabling them in networking → sailmon network → RX

Disable and enable the expedition user channels in Navdesk to set the parameters

In expedition you should now receive these variables.

In expedition you can set decimals, and rename the user channel

Always make sure to share how you named each user channel with which data or share the backup file from your E4.

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