



Calypso User Manual

Calypso User Manual	1
Introduction	3
Getting started	3
Connecting your SUEX devices	4
Connecting a new device	4
Working with a paired device	5
Battery	5
NFC Battery types	5
Eron dashboard	6
Dives (dive list)	7
Dive log	8
Dive log with Sinapsi	9
Markers	9
Paths	10
Creating path	11
Waypoint picking on the map	11
Creating Waypoint manually	12
Path details	12
Notes	13
Eron device (device tab)	14
Setting up magnetic declination	15
Motorboard	16
Motor acceleration	16
Glossary	17
Tips & FAQ	17
Troubleshooting	17
I cannot connect to the battery	17
Downloading the dive log gives error	17
Handy tips	18

How do I unpair my device	18
How can I see the specific timestamp details of my dive log?	18
Can I erase only one dive log from Eron	18
Firmware updates	19
Connection with multiple smartphones to one device	19
I keep looking at my dive logs all the time	19

Introduction

Welcome to the Calypso world! The following user guide will help you with the first steps through the Calypso mobile application.

The application was developed to:

- stay connected with your Suex diving equipment
- have instant access to your essential data before and after the dive
- monitor the performance status of your Suex equipment
- configure the basic parameters before your dive
- have even more fun during your diving adventures

Getting started

Once you have downloaded the Calypso app from the Google Play store or Apple app Store, make sure your Bluetooth on your mobile device is switched on.

When opening the app for the first time you are requested to accept the legal terms and conditions. By Accepting you will be permitted to start using the app.

Calypso mobile app version 2.2 is supported on the platforms Android 6.0, iOS 11.0 or higher. The smartphone hardware needs to properly support the BT/BLE/NFC and other standard functions, according to the official standards. Any smartphone hardware malfunctions might hamper the application functionality and therefore the manufacturer (Suex) cannot be liable for those errors.

Connecting your SUEX devices

Make sure that your device is active, charged and the Bluetooth is switched on (Eron).

Connecting a new device

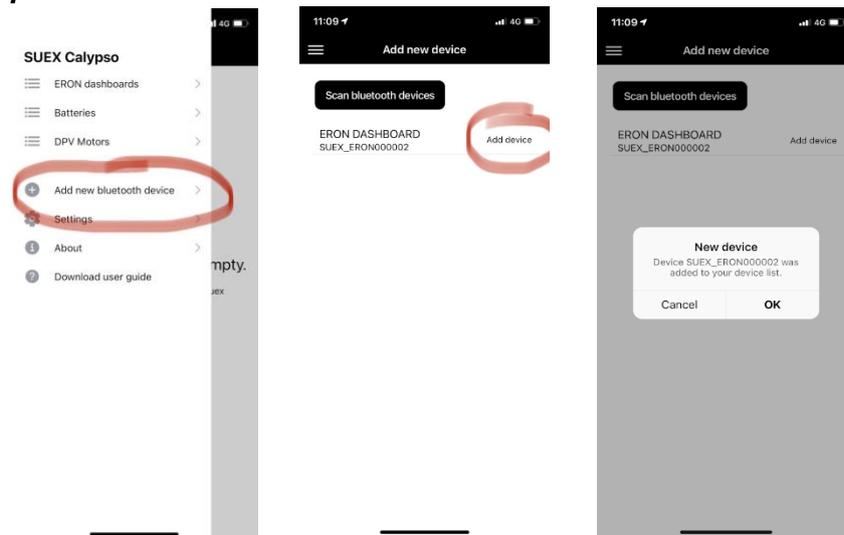
IOS

In the app's main menu navigate to: "Add new Bluetooth device", click "Scan Bluetooth devices". All active Suex devices will appear.

By clicking on "add device" you will pair your device with the mobile app.

The device will automatically appear in your list of devices. (See device menu)

The reliability of your connection is directly influenced by the distance between your smartphone and the connecting device. Make sure the distance is as short as possible.



Device already paired

ADD DEVICE

ADD DEVICE

Device not paired yet

ADD DEVICE

ADD DEVICE

Device bluetooth coding:

- Batteries: SUEX_BATTxxxxxx_BT
- Eron Dashboard: SUEX_ERON xxxxxx_BT
- DPV Motors: AZxxxxxxxxxx

Note: this process might slightly differ between the Android and IOS devices

Working with a paired device

Battery

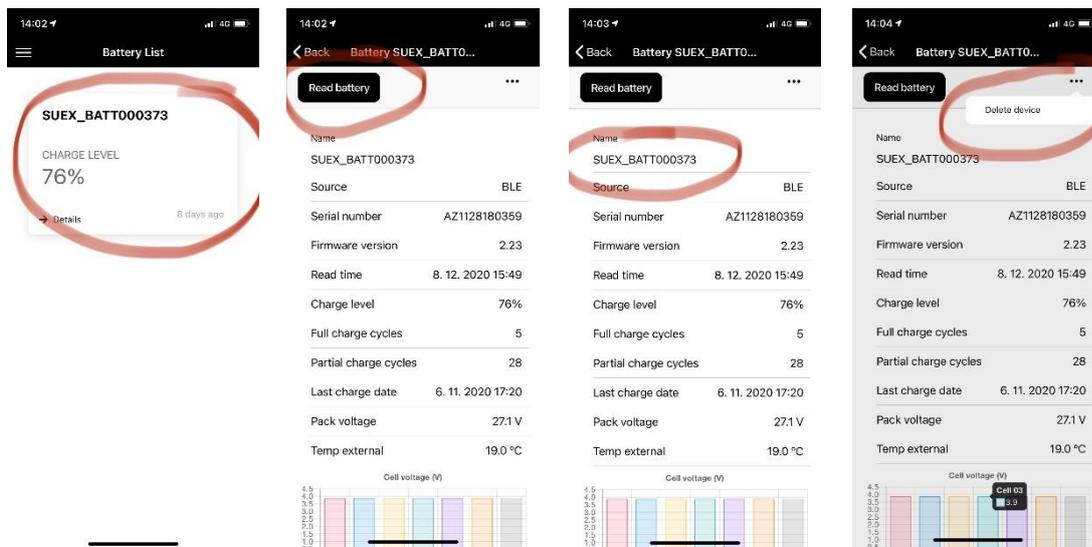
In the *battery list* menu will all your paired battery units appear.

By tapping anywhere on the battery window you will enter the battery detail menu.

To read the battery data again click on “*read battery*”. (note, the battery must be active! This you reach by pressing the scooter trigger or keep the battery on the charger. The battery Bluetooth is active only 1 minute after pressing the trigger! In this interval only you can pair your battery and read the data)

You can give your battery a custom name by simply rewriting the device name in the menu. Note that the device Bluetooth name will remain unchanged.

To remove your device just press the ellipsis button and press *delete device*.



NFC Battery types

Batteries equipped with the NFC chip (older versions) do not have to be paired. You can simply place your smartphone on the top of the battery pack and your data will be read out. The battery will appear in the same menu as the Bluetooth type batteries.

Eron dashboard

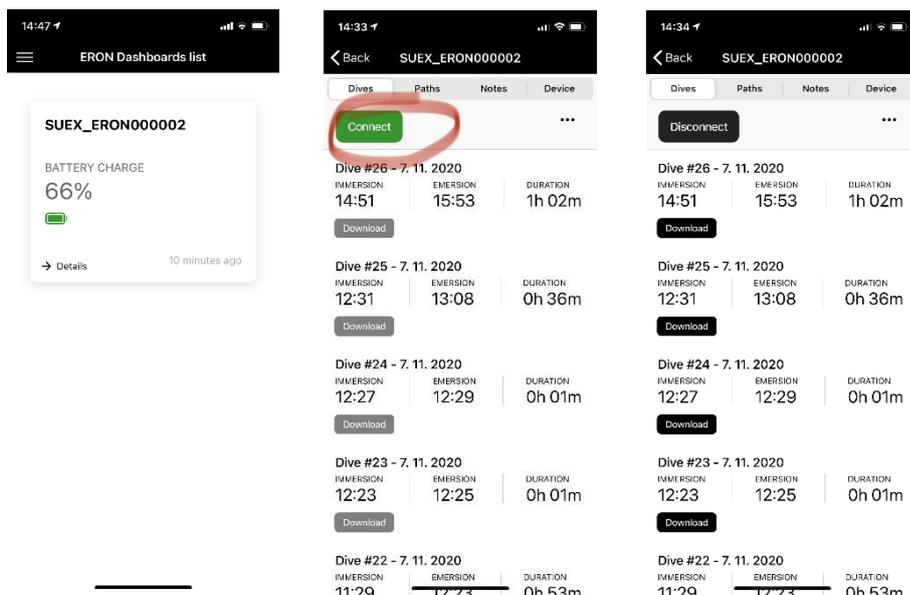
In the Eron dashboard list will appear all your paired Eron devices.
By clicking anywhere on the Eron window you will enter the detail menu.
Before reconnecting, do not forget to switch on the Bluetooth on your Eron.

On the top bar you have a choice of 4 Tabs: Dives, Paths, Notes, Device

In the dives menu, all the dive logs will appear. You can see the log details only after downloading the log to your smartphone.

You can give your Eron a custom name by simply rewriting the device name in the menu.

Note: The device Bluetooth name will remain unchanged.

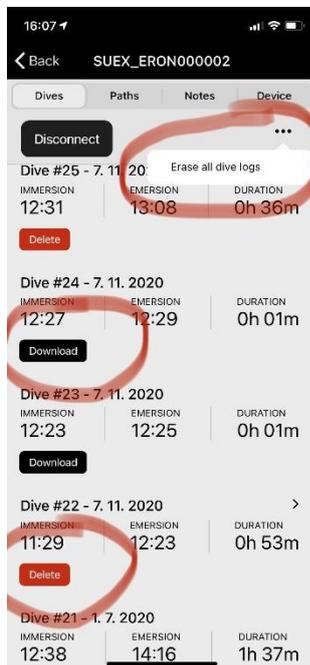


Dives (dive list)

In the sub-tab dives, all your dive logs with relevant detail parameters will show.

The mobile app can download and store your logs. You can view them later, even when not connected to your Eron.

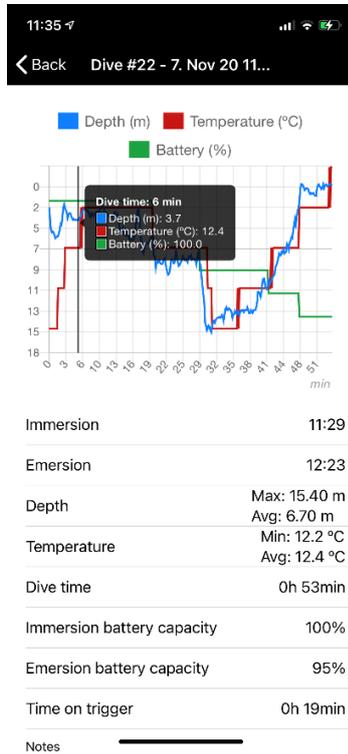
While using the Sinapsi nose also the GPS data with the map chart will be displayed.



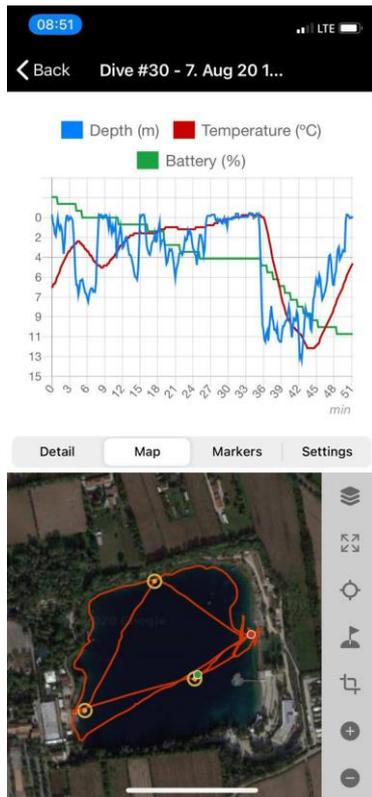
- ERASE ALL DIVE LOGS button will erase all your dive logs from Eron. The logs which you have downloaded to the app prior erasing will remain in your app until you delete them one by one. The rest will be lost.
- Eron is connected, you can view the log by tapping anywhere on the dive
- You can delete the dive log from the app and it will still remain on your Eron. You can download it later again.

Dive log

Once you have downloaded the dive log to your device, the dive details are displayed on the details page. By tapping anywhere on the graph, the depth, temperature and DPV battery status will be displayed.



Dive log with Sinapsi



In combination with Sinapsi the log contains the calculated GPS data from your dive, including the markers (yellow dots) which you can create during your dive.

Map controls:

- Select map layer
- Full screen view
- Your current position
- Set up the GPS fix
- Fit to bounds
- Zoom in
- Zoom out

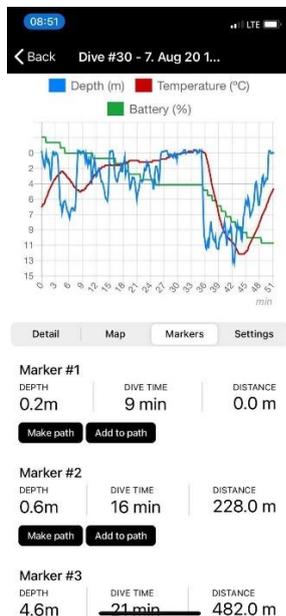
Markers

Markers are moments in time during your dive which you can setup (mark) on your Eron device.

The list of made markers will then appear in the dive log under this tab.

You can assign a custom name and description to each marker.

Markers can be used as source for your future path planning. You can easily create a path, using a marker as a waypoint.



Marker detail

Name
Name your marker here

Description
Describe your marker here

Distance from start 0.0 m

Depth 0.2 m

Temperature 25.3

Coordinates 45.675925, 11.892081

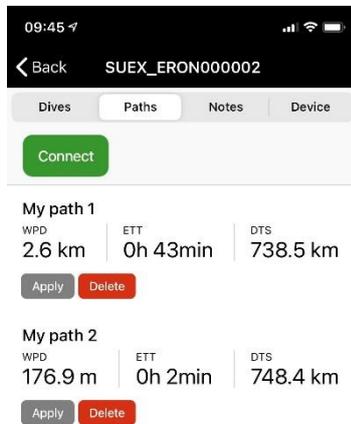
Make path Add to path

Paths

In this menu you can create your own path defined by up to 3 waypoints. Once a path is created, you can send it to your connected Eron for the navigation purposes.

Note: This functionality is only applicable in combination with Sinapsi.

You can create and save multiple paths in your list but it is possible to transfer only one path to your Eron device. The current path on your device will be overwritten by the new one.



Tap anywhere on the row to edit your Path

By “Apply” the path will be sent to your Eron.
(you must be connected to the device first)

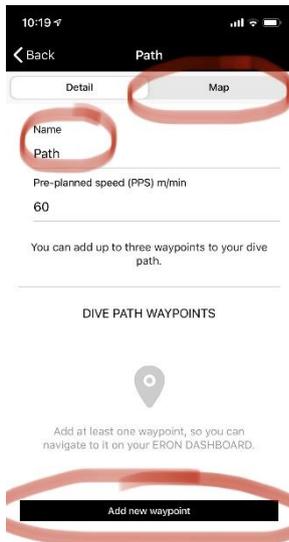
“Delete” will delete your path from the list. If you sent this path to your device. It will still remain there unless overwritten by another path.

To create a new path, just tap on the “+”button



Creating path

Give your path a custom name by simply rewriting the Path name.
You have two options how to create your waypoints:

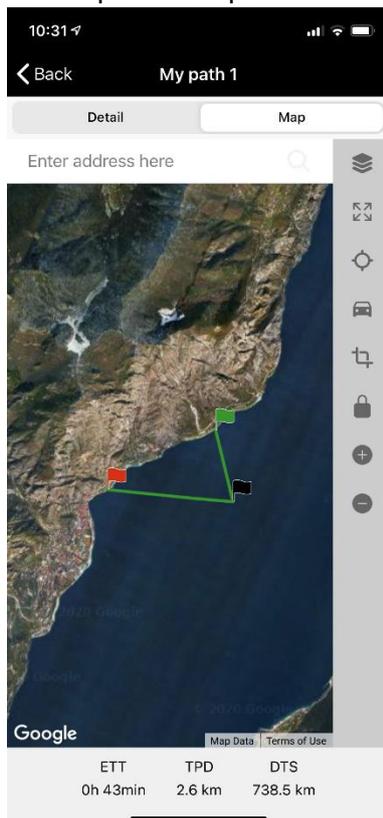


1. Picking the waypoints on the map. Simply tap the point on the map you want to identify as a waypoint.

2. Add manually the waypoint by entering the coordinates.

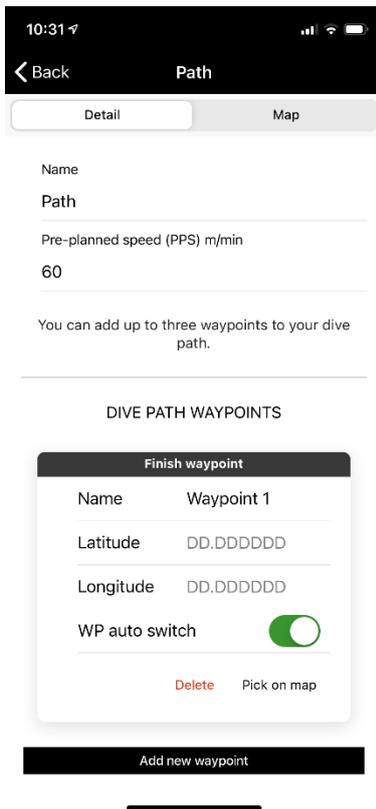
Waypoint picking on the map

Tap anywhere on the map to create a waypoint. Waypoints can be moved on the map when the map lock is open.



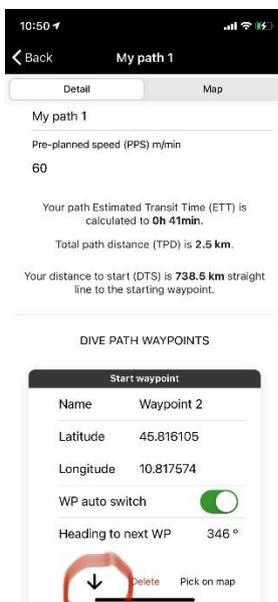
- | |
|---|
| - Switch between the map layers |
| - Full screen view |
| - Go to your current position |
| - Land navigation to your starting waypoint |
| - Optimized map zoom to your path |
| - Screen locked from Waypoint editing |
| - Map zoom in |
| - Map zoom out |

Creating Waypoint manually



- Give the waypoint a custom name if you like.
- Enter the waypoint coordinates in the given format.
- WP auto-switch defines whether you will be automatically re-routed to the next WP once reaching the this one during your navigation dive.
- "Pick on map" switches you to the map mode to define you WP.

Path details



- Pre-planned speed is default set to an average diving speed with the DPV. You can adjust this parameter based on the diving conditions and your expected cruise speed.
- Estimated time of travel gives you an indication of the travel time for your path. This is based on your default pre-planned speed.
- Total path distance is the calculated distance of your defined path.
- Distance to start is the distance from your current location to the Start waypoint.
- By tapping "↓" you can switch the WP order in the path.

Notes

You need to be connected to Eron in order to write the notes.

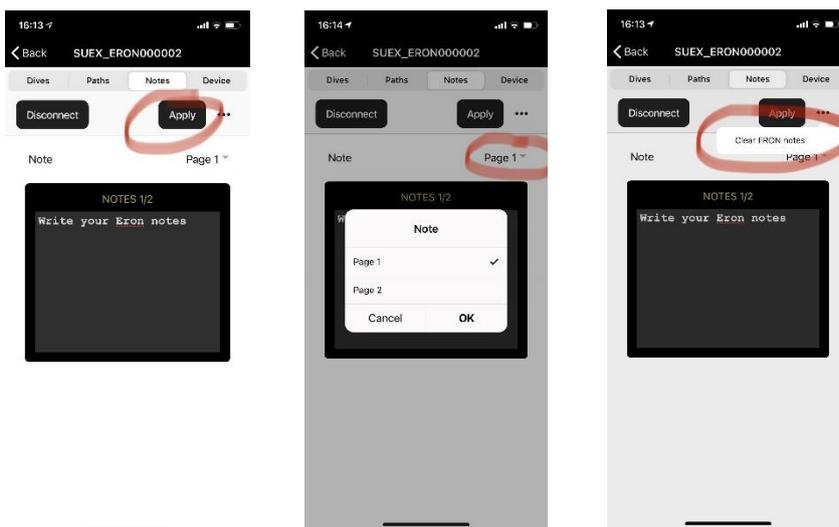
Only the basic alphabet characters are allowed.

(0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz-?.%!:>/<+_)

By tapping APPLY you will send the notes to your Eron device.

By tapping CLEAR all notes will be erased from your Eron and the app.

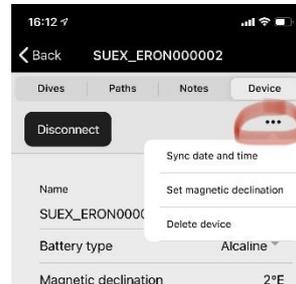
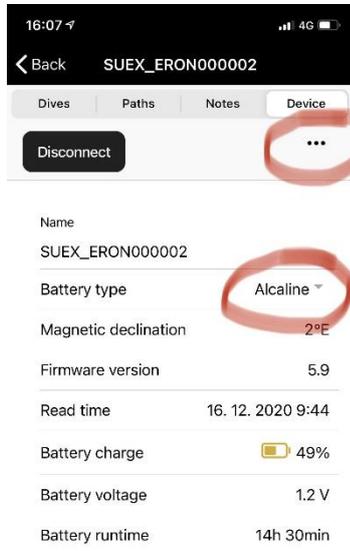
Notes in your Eron have two pages. You can select which page you want to edit by selecting (page 1, page 2).



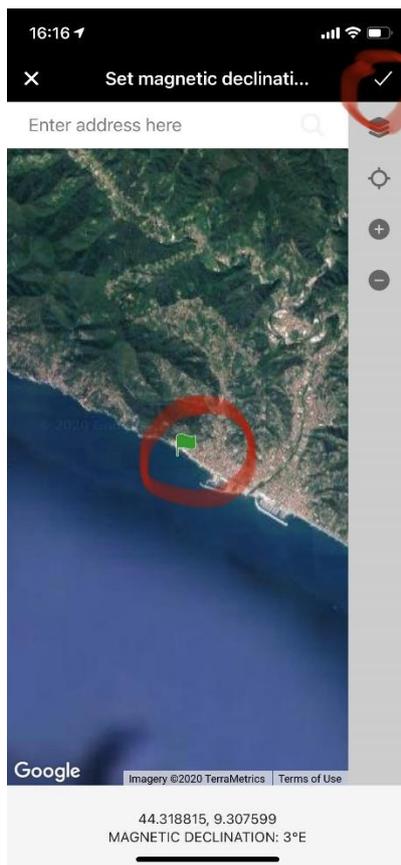
Eron device (device tab)

Parameters you can set up on your Eron device:

- Battery type
- Date and time sync with your smartphone
- Magnetic declination



Setting up magnetic declination



1. Pick the place of your dive on the map. The green flag represents your selected point.
2. Confirm your selection.

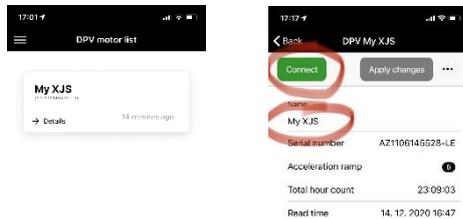
Motorboard

For security reasons is the communication with DPV motors highly encrypted. You need an internet connection on your smartphone to perform any communication with your DPV.

In the DPV motor list will appear all your paired DVPs.
By tapping anywhere on the DPV window you will enter the detail menu.
For connecting your DPV needs to be powered on.

You can give your DPV motor a custom name by simply rewriting the device name in the menu. Note that the device Bluetooth name will remain unchanged.

To receive an updated total hour count you need to switch the DPV on and off between readings. Total hour count represents the time when the DPV was switched on (Not the total time on trigger)



Motor acceleration

By sliding over the acceleration ramp scale you can adjust the motor acceleration curve.
Do not forget to press “*apply changes*” otherwise the command will not be executed.



Glossary

Bluetooth device	A device connectable through the Bluetooth wireless technology
Calypso	Mobile application you with the your diving equipment
Cell voltage	Voltage of the separate cell inside battery back
Charge level %	Charge status of your device expressed in % of the total capacity
DPV	diver propulsion vehicle
Emersion	End of the dive
End battery capacity	Battery capacity at the end of the dive
Eron dashboard	Device monitoring the DPV parameters and your dive profile
Full charge cycle reached	Count of charging cycles when the 100% charge level has been reached
Immersion	Start of the dive
Motor acceleration	Start curve of the motor when the trigger is pressed
Pack voltage	The voltage of the complete battery at the output connector
Partial charge cycle charged.	Count of charging cycles when the battery was not completely charged.
Read time	Time when the data have been acquired from the device
Serial number	Unique identification code generated in the factory
Source	Type wireless connection
Start battery capacity	Battery capacity at the beginning of the dive
Temp external	Battery temperature on the outside of the pack.
Time on trigger	Time during the dive spent with the DPV running.
Total hour count	Time when the DPV was switched on (Not the total time on trigger)

Tips & FAQ

Troubleshooting

I cannot connect to the battery

Activate the battery Bluetooth by pressing the trigger or connecting to the charger. The battery Bluetooth is active only 30sec after the motor stops running. Only in this interval you can readout the data. This is to prevent the battery discharge.

Downloading the dive log gives error

Decrease the distance between the smartphone and the Eron.

Check the battery status in your Eron. (half empty battery might influence the connection quality)

Move further away from other electronic devices especially laptops or desktop computers, or other Bluetooth devices.

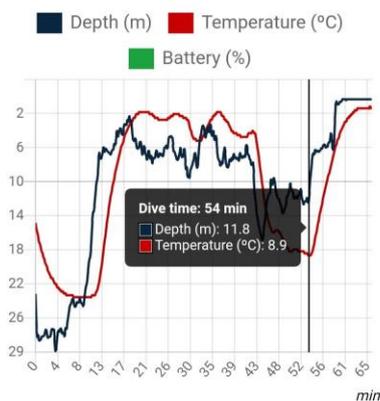
Handy tips

How do I unpair my device

Go to your smartphone Bluetooth settings. Only there you can unpair your device. After that it will also disappear from the list of your new devices to pair until you press “*discover unpaired devices*” again. This operation however will not remove the device from your list of devices in the device menu. To delete the device info from the device menu (e.g. list of Batteries) press the green button and select “*Delete device*”

How can I see the specific timestamp details of my dive log?

Just slide over the graph in your dive log. The detail info will appear. You can also choose which values you want to see on the graph. Simply click on the legend of the graph.



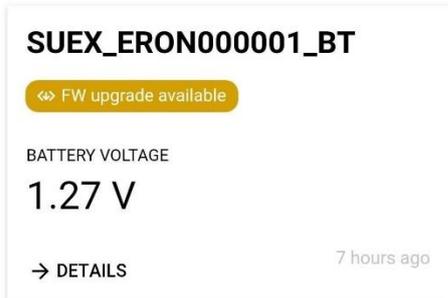
Can I erase only one dive log from Eron

No, you can only erase all dive logs from Eron. The downloaded logs will remain in your app until you delete them as well.

Firmware updates

Time to time the manufacturer might release a new firmware update for your device (Eron or Battery).

You will be automatically notified by an icon on your device tile.



Go to the details of your device and follow the instructions.

Once you will perform a firmware update make sure that your device as well as the smartphone are fully charged or on the power supply.

Prevent any disturbances by letting the Calypso app go to the background or any other activities (phone calls, etc.)

Prevent disturbance by any other Bluetooth devices by moving them further away.

Connection with multiple smartphones to one device

You can connect to a device by only one smartphone at a time. Make sure you get disconnected from one smartphone before connecting with another one.

I keep looking at my dive logs all the time

Go diving.