## TRENZ Portable Pilot Unit >>SIRIUS<<

> S I R I U S < – Our next generation Portable Pilot Unit (PPU).

While we kept the well-known look and feel of its predecessor, the > SIRIUS < comes with even better inner values. 2 years of development and loads of customer feedback have been used to create this super compact yet powerful PPU.

The new internal design allows for new functions and customization in the future making the Sirius a great investment for pilots all around the world!



### Features

- IP 65 protection (including USB-C ports)
- ▶ High precision ROT by dual sensors with TRENZ sensor fusion
- Precision GNSS Receiver
- Superior AIS circuit protection
- Super quick startup (25 sec.)
- Configurable heading tick
- Adjustable LEDs
- Wide range Wi-Fi + Bluetooth
- USB power delivery charging
- Up to 24 hours operation on battery
- "Leave behind" alarm
- Low weight (216g) and super compact dimensions
- Two powerful internal magnets
- Two years warranty warranty extension available



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## Specifications

|                         | Protection:                | IP 65 (incl. USB-C connectors)             |
|-------------------------|----------------------------|--|
| Weight:                 |                            | 216 g                                      |
| Dimensions:             |                            | 130 x 75 x 28 mm                           |
| System readiness:       |                            | 25 sec.                                    |
| GNSS                    | Accuracy:                  | 2.0 m CEP                                  |
|                         | Position standards:        | GPS + QZSS/SBAS, GLONASS, Galileo, Beidou  |
|                         | Number of concurrent GNSS: | 4  |
|                         |                            | Spoofing detection, Jamming detection      |
| Rate of turn (ROT)      | Time to calibrate          | ~ 10 sec. after boot                       |
|                         | Accuracy:                  | +/-0.5 °                                   |
| Roll/Pitch (R&P)        | Accuracy:                  | +/-0.5 °                                   |
| Sensors ROT/R&P:        |                            | Gyroscope                                  |
|                         |                            | Acceleration sensor                        |
|                         |                            | TRENZ sensor fusion                        |
|                         |                            | High precision at slow turns               |
| Battery/Power<br>supply | Technology:                | USB-power delivery                         |
|                         | Charging:                  | 2,5 hrs. to max.                           |
|                         | Connection type:           | USB-C                                      |
|                         | Operating time:            | up to 24 hrs.                              |
|                         |                            | Charging during operation                  |
|                         | AIS:                       | AIS circuit protection                     |
|                         |                            | AIS-check for consistency and checksum     |
|                         |                            | AIS-decoder: heading, ROT, name            |
|                         |                            | Polarity protection / correction           |
| Connectivity            | Wi-Fi:                     | Up to 3 simultaneous clients               |
|                         | Signal strength            | 18 dBm                                     |
|                         | Protection standards:      | WPA/WPA2                                   |
|                         |                            | Simultaneous use of mobile data connection |
|                         | Bluetooth:                 | v.4.2                                      |
|                         |                            |  |



## **TRENZ Pilot Unit Manager App**

Pilot Unit Manager v2.0.6 Manage your TRENZ PPU with our pilot Pilot Unit Manager 40 🔳 40% unit manager app. The app allows you to  $\equiv$ 🖯 Reset 🗟 Save 📿 Reload Configuration 俞 change the configuration (ip) Wi-Fi Enable 🔼 <u>نې</u> [t] \$ Bluetooth Enable 🔵 check the status Internal GNSS Enable and update the firmware of your PPU Roll & Pitch Enable 💽 Easy to use, simple and clear information 🕲 Heading Enable 🔵 - the perfect companion for your TRENZ ROT Enable 📀 PPU! Ω LEDs (小) Speaker Enable 🔵 **Pilot Unit Manager** N Show advanced options 🔽 ≡ Device 命 Firmware Туре 1 Last message received at 27.09.2023 12:08:36.618 ГIJ Location Latitude N 53° 4' 18.44" (53.07178842) (from GGA) Longitude E 8° 52' 14.95" (8.87082044) (from GGA) Altitude -23.87m Geoidal Se 45.59m 40 🔳 Date & Time Pilot Unit Manager Time 10:08:32 (UTC, from GGA) = ROT Date 27.09.2023 命 Quality 1 Fix Quality Autonomous (1) [J] Void (V) Fix Status Position Mode Autonomous (A) -18.8°/min HDOP 1.22 (from GGA) 1.77 VDOF PDOP 2.15 No HDT Date Route Roll & Pitch SOG Rate of Tur 0.00°/min 4.4 0.09kn (from VTG) Speed 0.17km/h Mag. Track Angle Orientation +1.5 kn Pitch -0.00 Roll 0.00° Heading (Yaw) ŝ Device GET IT ON Download on the Get it from Google Play App Store Microsoft





### Scope of delivery:

- Portable pilot unit (PPU)
- USB-C AIS connection cable
- USB-C charging cable
- Charging device
- Watertight transport bag
- User manual
- Quick start guide
- Pilot Plug Manager app for iOS, Android and Windows

#### Service:

- 24 months warranty included
- 12 months warranty extension available
- Free firmware updates, custom firmware optional

