Weatherdock AG
www.easyAIS.com
German manufacturer

raspAIS AIS receiver

Mobile 2-CHANNEL AIS receiver to improve navigation including a multi-media- functionality

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AIS receive on mobile

AIS reception within the smallest space – this advantage brings up the new raspAIS from Weatherdock.

Equipped with a latest generation 2-channel-receiver, the unit picks up AIS Class A and AIS Class B signals out of your vicinity and will forward these data to a connected mobile device for displaying on a chart.

Function

- The new raspAIS from Weatherdock is equipped with a latest generation 2-channel-receiver for parallel and persistent reception of the two AIS standard frequencies.

- The unit picks up all kind of AIS signals: AIS Class A, AIS Class B, AIS SART, AIS MOB as well as AtoN signals will be received out of the vicinity.

- A low power consumption management ensures that as less power as possible will be used running the system.

- The collected data will be interpreted and forwarded to a connected mobile device for displaying on an electronic chart.

- As the central basic component, a Raspberry Pi® Modell 3B is doing a perfect job in the background. Due to the wide range of possible connectivity, received AIS data can be forwarded via wifi or LAN connection.

Highlights

- Real parallel AIS reception mode on both AIS frequencies (161,025 MHz + 162,025 MHz)
- High channel sensitivity
- Multi-Port data output
- HDMI port
- AUX output for speaker
- LAN and wifi connectivity
- Pre-installed AIS capable software
- Less power consumption

How to run

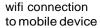With the received AIS data there are several ways to work with the raspAIS for display and navigation:

- **wifi connection** : a smartphone or tablet device has to be connected to the wifi network of the raspAIS. Any navigation software able to interpret WiFi transmitted AIS data will suit. IP address and port of the raspAIS have to be figured in the app.

- **HDMI connection,** to a PC or TV screen The integrated AIS software openPlotter running in the background is managing all neccessary steps to display the position reports of all abjects around you. PC or TV screen is used as huge display.

- **wifi connection,** to a smartphone or tablet without AIS capable app with the free of charge VNC Viewer software running on the used mobile device you will be able to mirror the raspAIS display. Just connect the mobile device to the wifi network of the raspAIS.

But the new raspAIS is even more than an AIS receiver. It can also be used as a multimedia center for videos and audio content. 4 USB slots keep enough space for USB storage additional connected to mouse and keyboard.

Technical Data

- 2-Channel VHF receiver for both AIS frequencies
- Connectivity port for mobile AIS antenna
- Connectivity ports for Media: USB, LAN, HDMI & 3,5mm audio-out
- wifi and LAN AIS data transfer
- Pre-installed AIS software "openPlotter"
- Based on Raspberry PI® Modell 3B
- palm-sized housing 85 x 56 x 45mm
- 150g weight
- external GPS source required

wifi connection
to mobile device

HDMI cable
direct to display

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