rasp AIS

NEW

raspAIS

AIS to go:
Receiver & multimedia center

rasp AIS
receiver – multimedia

AIS Rasp

SD Card

VHF ANT

POWER

HDMI

AUX

USB USB

USB USB

LAN

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

AIS2go - mobile and palm-sized 2-channel AIS receiver

Everybody doing charter sailing knows this situation: There is no AIS equipment aboard!

OK, there is old-school-chart-navigation you may have learned years ago, but this is not sufficient at all.

Improove your navigation situation with full AIS reception and be prepared for your next charter sail with this palm-sized AIS receiver including multi-media functionality.

Function

- ☑ The new raspAIS from Weatherdock is equipped with a latest generation 2-channel-receiver for parallel and persistant 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 to run the system.

- ☑ The collected data stream will be interpreted and forwarded by Wifi connection to a connected mobile device to display on an electronic chart.

- ☑ The base component is a Raspberry Pi® Modell 3B 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 sensivity**
- ☑ **Multi-Port data output:**
- ☑ **Pre-installed AIS capable software**
- ☑ **Palm-sized housing**

How to run

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

- ☑ v**ia WiFi connection to a smartphone or tablet** The used mobile 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 adress and port of the raspAIS has to be figured in the app.

- ☑ **via HDMI conection 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.

- ☑ **via 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**
- ☑ **Dimensions (L x W x H): 85 x 56 x 45mm**
- ☑ **Weight: 150 g**
- ☑ **External GPS source required**
- ☑ **Part #A211**

WiFi connection to mobile device

HDMI cable direct to display

EXCELLENCE IN RADIO TECHNOLOGIES
Safety ● Navigation ● Tracking