

Quick Start Guide

Thank you for purchasing the dAISy AIS Receiver.

Disclaimer: dAISy is a reliable, single-channel AIS Receiver. However, under no circumstances it should be solely relied on for collision avoidance or navigation. It's the user's responsibility to use the product prudently. Neither Wegmatt LLC nor its dealers accept responsibility or liability to the product user or their estate for any accident, loss, injury or damage whatsoever arising out of the use of this product.

Installation

- 1) No drivers are required on Windows 10, Mac OS X and Linux.
For Windows 8, 7, Vista and XP download and unpack the driver before starting the installation <http://www.wegmatt.com/files/daisyUSB%20inf%20v2.zip>
- 2) Connect dAISy to a computer with the provided USB cable.
- 3) For Windows 8, 7, Vista and XP install the device driver when prompted.
- 4) The device will now be available as a virtual serial port. The serial port name can be found at:
 - a. Windows Device Manager, under Ports (COM & LPT) as generic "USB Serial Device" (Windows 10) or "dAISy AIS Receiver" (Win 8, 7, XP)
 - b. On Mac OS X, the command "ls /dev/*usb*" in the terminal app will show dAISy as "/dev/cu.usbmodemXYZ" where XYZ is a number depending on the environment
 - c. On Linux, the command "ls /dev/ttyACM*" in a terminal will show dAISy as "dev/ttyACMxyz" where xyz is a number depending on the environment
- 5) Use the serial port identification to configure the receiving application, like for example OpenCPN. Additional serial parameters that your application may require are:

| | |
|---------------------|-------|
| Baud rate | 38400 |
| Data bits | 8 |
| Parity | None |
| Stop bits | 1 |
| Flow control | None |

See the instruction manual for more detailed installation steps, particularly when not familiar with Windows driver installation procedure.

The full instruction manual is available on our website: <http://www.wegmatt.com>

dAISy immediately starts receiving AIS messages when plugged in.

LED status indicator

dAISy features a red/green LED to indicate its status.

| Indicator | Description |
|------------------------------------|-------------------------------------|
| Green, short flash every 5 seconds | Device is in reception mode |
| Green, ¼ second flash | Device received a valid AIS message |
| Red, ¼ second flash | Device received an invalid message |
| Red, fast continuous blinking | Device error |
| No LED activity | Device is not in reception mode |

Troubleshooting

| Problem | Solution |
|--|---|
| No activity of the status LED | Verify the USB connection, also try a different USB cable. |
| Device in reception mode, but not valid AIS messages received (no ¼ second green flashes) | Verify the antenna connection and location. Good AIS reception requires line-of-sight, verify your setup from a location that is certain to have traffic, e.g. near a harbor. |
| Device indicates valid AIS messages (¼ second green flashes), but no messages received on PC | Verify that the serial port shows up on the PC. Try a different USB cable if this is not the case. Verify the serial configuration of your software. Verify the serial communication with a serial terminal program like Putty or screen. |
| Software receives positions, but fewer than expected and/or with worse range than expected. | Verify the antenna connection and location. Good AIS reception requires line-of-sight, so the higher up the antenna is positioned the better the range. Move the antenna away from sources of electrical noise. |
| After some time, dAISy indicates a device error (fast blinking red LED) | Sometimes the device is not properly initialized when the connected computer wakes up from sleep mode. Unplug dAISy and plug in again to resolve the error. |

If a problem persists, contact Wegmatt LLC at daisy@wegmatt.com.

Contact

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