



GPS-antenna



Functionality

The GPS antenna of the company Weatherdock AG is a GPS antenna supplying "raw data", not NMEA data. The antenna is connected in an easy way to the easyTRX (or any other AIS Class B transceiver). If you use the GPS antenna, you nevertheless must have a separate VHF antenna for the easyTRX.

What is necessary to connect the GPS antenna?

There is no special device or adapter necessary. The antenna is supplied with a 6 m long cable and the right plug to connect it to the easyTRX. The cable itself can be extended by a cable extension up to 15 m. But, please if you extend the cable, use a good cable, eg. Aircell 7 or similar and not the regular RG 58.

For which Class B AIS the antenna can be used?

The GPS antenna can be used for every Class B AIS transceiver which needs GPS raw data. (Most of all Class B AIS need raw data GPS antennas!) Reason for that please find under FAQ.

Characteristics

- GPS antenna
- GPS antenna supplies raw data, no NMEA data
- Power supply through the cable by means of the easyTRX
- Incl. stainless steel holder

Specification

- Frequency: 1575,42 MHz
- radiation pattern, typical values: Zenith: +5 dBi, 10°: -1 dBi
- Gain: 27 dB approx.
- Noise: 2 dB max.
- Voltage: 5 VDC ± 10%
- Power consumption: < 30 mA
- VSWR: 2.1 max.
- Connector: TNC, male

Combination antenna VHF / GPS



Functionality

The combination antenna of the company Weatherdock for GPS data reception and VHF transmission and VHF reception can be used with the easyTRX or other Class B AIS transceivers.

What is necessary to connect the VHF / GPS combination antenna?

There is no special device or adapter necessary. The antenna is supplied with two 6 m long cables. One for the VHF and one for the GPS. The right plugs are assembled to the cables to connect it to the easyTRX. The cables can be extended by a cable extension up to 15 m. But, please if you extend the cables, use a good cable, eg. Aircell 7 or similar and not the regular RG58.

For which Class B AIS transceiver the VHF / GPS combination antennas can be used?

The VHF/GPS combination antenna can be used for every Class B AIS transceiver which needs GPS raw data and an antenna to transmit the VHF AIS data. (Most of all Class B AIS transceivers need raw data GPS antennas!)

Characteristics

- GPS antenna supplies raw data, no NMEA data
- VHF antenna, capable to transmit power up to 30 W
- Power supply for the GPS through the cable by means of the easyTRX
- Incl. stainless steel holder

Specification – GPS-antenna

- Frequency GPS: 1575,42 MHz for GPS reception
- Polarization: RHCP (right hand circular polarized)
- radiation pattern, typical values: Zenith: +5 dBi, 10°: -1 dBi
- Gain: 27 dB approx.
- Noise GPS: 2 dB max.
- Voltage: GPS 5VDC ± 10%
- Power consumption GPS: < 30 mA
- VSWR GPS: 2.1 max.
- Connector: TNC, male

Specification – VHF-antenna

- Frequency from: 156 to 162 MHz
- VSWR 1,5:1 max
- Amplification: 0 dBi
- Impedance: 50 Ohm
- Maximale transmission power: 30 W
- Length: app 35 cm

Your local dealer:



Weatherdock AG
Sigmundstraße 180
90431 Nürnberg
fon +49 [0]911 376638-30
fax +49 [0]911 376638-40

info@weatherdock.de
www.weatherdock.de
www.easyAIS.de
www.easySPLIT.de