

QYX pro Receiver Instructions



Qianxun AG v1.1
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1 、 Product Specifications

Integrated Receiver	
Satellite systems and frequency points	BDS: B1I,B1c,B2a, B2b,B2I,B3I GPS: L1C,L1C/A,L2P,L2C,L5; GLONASS: L1C/A,L2C/A Galileo: E1C/A,E5a,E5b E5AltBoc,E6C QZSS: L1C,L1C/A,L2C,L5 SBAS: L1C/A,L5 IRNSS: L5 QXWZ L-Band
Number of channels	1520

Positioning accuracy	Single point: Horizontal: 2m Vertical: 4m
	RTK measurements (Single station): Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm Initialization: ≤8s Confidence level: ≥99.9%
	RTK measurements (Network): Horizontal: 0.8cm + 0.5ppm Vertical: 1.5cm+0.5ppm Initialization: ≤8s Confidence level: ≥99.9%
	PPP Measurement: PPP Convergence time < 30min, Positioning accuracy < 10cm PPP-AR Convergence time <1min, Positioning accuracy <1m (RMS) Convergence time <15min, Horizontal <2cm (RMS) Elevation <8cm (RMS) PPP-RTK Convergence time <2min, Positioning accuracy: Horizontal <2cm (RMS) Elevation <8cm (RMS)
Network communications	4G
WiFi	2.4G
CAN	2-channel
RS232	2-channel
Radio	Built-in receiver radio Frequency: 410MHz-470MHz Protocol: Transparent transmission
NMEA output	Supports NMEA data output via physical interface and Wi-Fi Output frequency: 1\2\5\10Hz
Power input	9~36V
Operating temperature	-35°~60°
Storage temperature	-40°~75°
Waterproof and dustproof	Ip67

2、Product Installation



1. Selection of installation position of the receiver: ensure that the center of the receiver is located on the middle line of the roof, and the roof center is preferred in front of the rear axle of the vehicle, and try to ensure that the receiver is flat without tilt.
2. Attach 2 pieces of film in the product package on the receiver support, and then paste the whole on the roof of the vehicle (the film should be pressed and activated for more than 1min).
3. If you are worried about the paste, use 4 self-taps (two left and right) for reinforcement.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.