# X1C5 Pro portable APRS tracker

# Manual



X1C5 Pro is a handheld Automatic Position Reporting System using built-in GPS via Radio link/WiFi/Bluetooth to report position over internet or to APRS devices.

#### **Features:**

Support fixed station FIXED, sports SPORT, 2 site modes

Support complete TRACK tracker, support intelligent, timing, PTT linkage, queue beacon Support beacon additional information, mileage, satellite number, voltage, temperature, air pressure, etc.

Support mileage calculation, support accumulated mileage or automatically clearance Support for automatic icons (TRACK smart mode)

Support GPS power saving mode (TRACK PTT linkage mode, TRACK timing mode)

Integrated 2.0+4.0 dual mode Bluetooth,

Support Bluetooth output KISS hex, UI, GPWPL, KISS ASC, GS232B and other protocols Support Bluetooth output GPS data (GPRMC+GPGGA), support mixed output Support Bluetooth KISS data bidirectional transparent transmission Support full DIGI relay function, support custom relay name, support relay remote turn-off function

Support remote control peripheral sensor input and relay output module

Built-in advanced CMX programming algorithm Built-in transmit level, receive level adjuster (-10.5dB -0dB) Built-in high performance GPS\Beidou\GLONASS multimode hybrid positioning module

Built-in advanced algorithm to support rich data analysis Support heading, north position, relative motion position calculation Support APRS distance, elevation target calculation, support G5500 aircraft, vessel and other tracking control Companion PC setup software (Chinese, English) (requires .NET 4.0)

UHF or VHF options, 1W RF output

Support battery USB direct charging Support comprehensive GPS interface, beacon list interface, real-time beacon interface, beacon record analysis interface Built-in temperature\pressure auxiliary sensor (temperature & air pressure values for reference only) Support off-network use, no network, direct mutual positioning Support liuyun, APRSdroid, LOCUS, Ovi and other APP Support user independent firmware upgrade

Weight: 99 G (battery included) Dimensions: 88 x 50 x 20 mm (antenna excluded)

Note: Typical GPS locking time is 1 – 5 minutes, please use the tracker outside! Do not use it under the water! Turn off the RF module if you only use WiFi to report position, as RF module causes heat!

### **Operating:**





TX RX GND TTL EXT

3.5mm stereo

## Software settings:

- 1, Power on the tracker.
- 2, Connect the USB cable between tracker and computer.
- 3, Install USB driver CH341 chip and find the correct COM port.
- 4, Use APRS 51Series Setup(version number).exe to program the tracker.

E APRS 51 Series SETUP 2018-10-09 BH4TDV		
COM Port COM11 • Serial Close Read Write Reset	Language DIGI 一 中文 ④ English	Volume TX -9.0dB ▼
SETUP CALL BA4TB -7 Site SPORT GPS ON Beacon Smart OFF Queue O S Path1 WIDE1 1 Manual V Time 20 S Path2 WIDE2 0	Fixed V ON WIDE2 Lat 3135.90 N Lon 12021.80 E delay Os • alt 100 M CH CH A •	RX -1.5dB - TX 1200 TX 2200 OFF
□ GPS Save (Manual/time) Type I   □ MIC-E M0:OFF DUTY CH CH A I con 1 / [   PTT delay 350ms ✓ I con 2 180 S V	No Rx Power OFF OFF U/V RF 1W Vol 1 • Mic1 • pw ON •	BEEP
Msg MAX 60 bytes Label34 Label35 https://ba4tb.qth.com ✓ Mileage ✓ Satellite ✓ Pressure ✓ Memory distance ✓ Voltage ✓ Temp distance — TX Bluetooth OUT Out1 UI • ON Out2 OFF • ✓ Code 13013684000 ✓ ✓ Data 517		
2019/6/5 20:54:32 WiFi enable or not   2019/6/5 20:54:33 about   2119/6/5 20:54:33 Image: Clean ima		

Wuxi Venus Information Technology Co., Ltd

E-mail: info@ba4tb.qth.com