

X5R

meltatec

MULTIBANDA

PPK + RTK + NTRIP mode

Calibrated by the NGS (NOAA). Configuration via Bluetooth, WiFi. With LOCAL NTRIP.



MULTI-BAND AND MULTI-CONSTELLATION GNSS

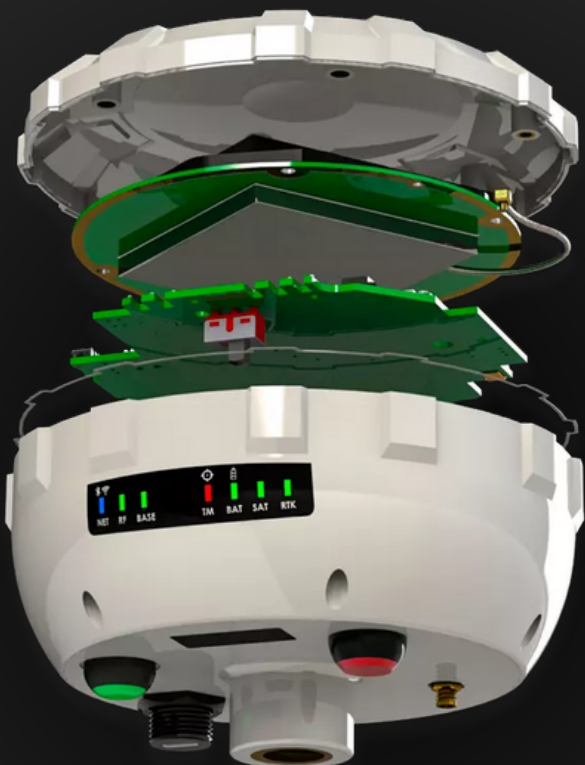
With technology 

All constellations:

- GPS
- GLONASS
- GALILEO
- BEIDOU



Get a GNSS Fix solution in seconds, even in difficult conditions.



ROBUST AND COMPACT DESIGN

- IP67 protection.
- GNSS multiband antenna.
- Radio LoRa RTK.
- Recording speed of 10 Hz.
- Bluetooth and USB Serial connection.
- 32 GB internal memory.
- Battery: 20h (in PPK) and 10h (in RTK).

EASY SETUP

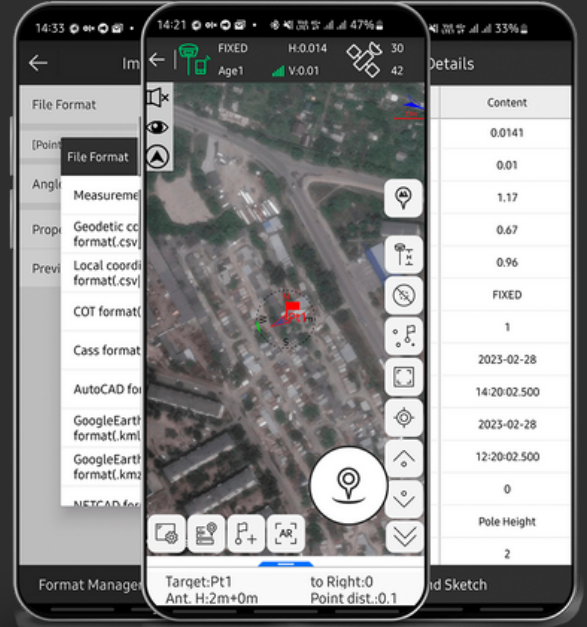
Through the WiFi Hotspot signal of the X5R Receiver.

Powerful field software:

SurPad 4.2

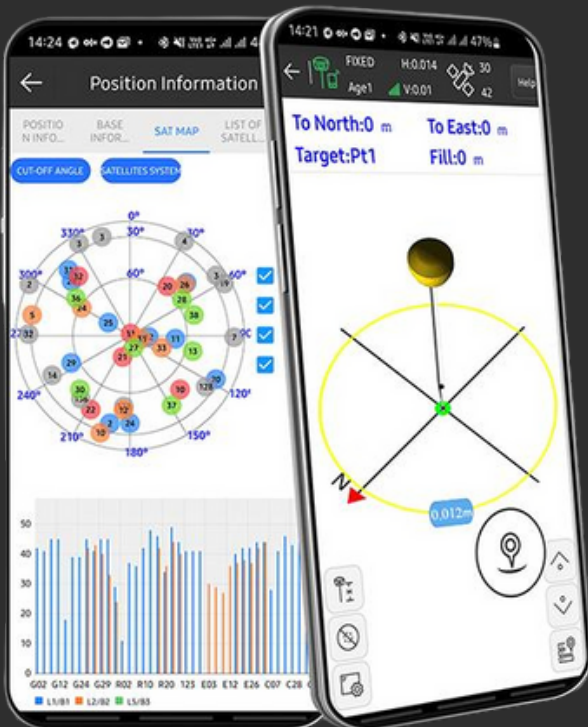
Comprehensive set of tools and features that allow users to seamlessly integrate RTK monitoring, geospatial data collection, and road layout and design into a single intuitive interface.

This makes it ideal for surveying and mapping professionals, as well as engineers, architects and urban planners.



Compatible con App y Software GIS:

- SW Maps
- SurvPC
- FieldGenius
- SurveyMaster
- everyone who works with NMEA data.



Connectivity

It can connect to GNSS via Bluetooth and WiFi.



Layers

Supports online and offline layers with DXF, SHP, DWG and XML files.



road design

Has a complete professional road layout and staking feature



Voice alerts

Important operations are accompanied by voice alerts

DOWNLOAD THE ANTEX CALIBRATION FILE

The ANTEX file is issued by the NGS and contains the Calibration data of the X5 Multi-band GNSS Receiver.



NOAA
National Geodetic Survey



[ANTEX-METX5_NONE.zip >](#)



[Web Antenna Calibrations del NGS >](#)

MORE ADVANTAGES



Automatically save
data to UBX files



32 Gb
internal
memory



20 hours of work in
Data Logging mode
and 10 hours in
NTRIP mode



IP67 protection:
Dust and
watertight

Compatible with Third Party Bases (Trimble,
Emlid, Geomax, South)

*In Rover mode with our X5 Standard Radio.

LOCAL NTRIP MODE FOR RTK DRONES

The NTRIP LOCAL service of the X5R receiver allows you to send positioning correction data to RTK Drones from DJI Enterprise, Wingtra, eBee and Autel brands without the need for an Internet connection.



X5

GNSS ready to work in the most difficult conditions around the world.

TECHNICAL SPECIFICATIONS	
POSITIONING	
Static:	H = 6mm + 1ppm V = 10 mm + 1 ppm
PPK	H = 7mm + 1 ppm V = 12 mm + 1 ppm
RTK	H = 9 mm + 1 ppm V = 14 mm + 1 ppm
Initialization time	5 seconds
GNSS signals	• GPS: L1C/A, L1C, L2P, L2C, L5 • BDS-2: B1I, B2I, B3I • BDS-3: B1I, B3I, B1C, B2a, B2b • GLONASS: G1, G2, G3 • Galileo: E1, E5b, E5a, E5 AltBoC, E6c • QZSS: L1C/A, L2C, L5, L1C • SBAS: L1C/A • IRNS: L5
Number of channels	184
Registration frequency	Up to 10 HZ or 0.1 second
CONNECTIVITY	
Radio LoRA Frequency range Power Distance Initialization time	LSM BAND (choice) 433 Mhz or 915 Mhz 1 W 8Km Line of sight 5 seconds

GNSS signals	• GPS: L1C/A, L1C, L2P, L2C, L5 • BDS-2: B1I, B2I, B3I • BDS-3: B1I, B3I, B1C, B2a, B2b • GLONASS: G1, G2, G3 • Galileo: E1, E5b, E5a, E5 AltBoC, E6c • QZSS: L1C/A, L2C, L5, L1C • SBAS: L1C/A • IRNS: L5
Bluetooth	Bluetooth V4.2 BR/EDR
Ports	USB C, Antenna TNC
Protocols	Ntrip, RTCM3, NMEA position output
PHYSICAL CHARACTERISTICS	
Dimensions	138 × 138 × 85 mm
Weight	650 grams
Operating temperature	-20 a 65 °C
Closed design	
Cabinet IP67	IP67 enclosure: capable of protecting against powerful jets of water.
Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction will have no harmful effects.	

ELECTRICAL

Input voltage	4.75-5.5V
Internal antenna DC polarization	3.3 V
Maximum current consumption	2500 mA
Average current consumption	500 mA
Current limit on USB OTG	2000 mA
LiPo 6Ah with 1.5A fast charge	
More than 15 hours of autonomous work in base mode	
·More than 20 hours of autonomous work in rover mode	



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