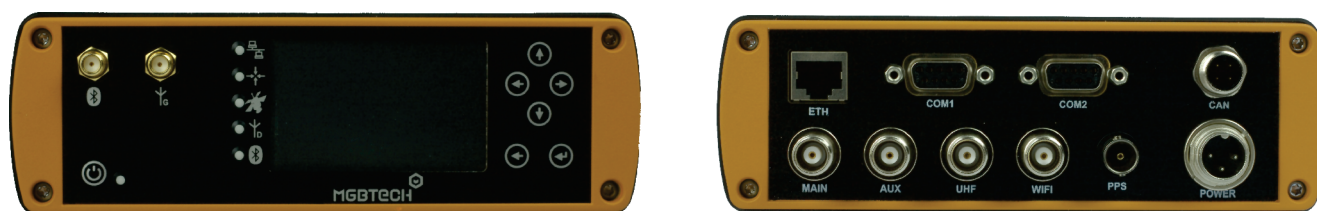


# UKKO2

*Multifunction GNSS receiver*

- |                    |                              |                        |
|--------------------|------------------------------|------------------------|
| ✓ GPRS modem       | ✓ GPS/GLONASS/Galileo/BeiDou | ✓ 2.7" display         |
| ✓ BLUETOOTH        | ✓ 544 channels receiver      | ✓ Webfront             |
| ✓ UHF modem        | ✓ TERRASTAR & VERIPOS        | ✓ Lithium Ion battery  |
| ✓ WIFI acces point | ✓ SD-CARD logging            | ✓ Small sturdy housing |



The UKKO GNSS receiver is a small highly integrated GNSS receiver. It is designed to be used in the most challenging environments. It uses the latest top range GNSS receiver technology from Septentrio to offer best-in-class positioning accuracy. Whether you need a machine guidance solution, a backpack, a base station setup or marine type unit, you will find this unit pulls through every time.

This is a GNSS receiver built for versatility from the ground up. If you are looking for a truly multifunction receiver, look no further. All aspects of the unit are designed for easy and multifunction usage. For backpack operation, you get a bluetooth interface, NTRIP or UHF differential corrections and a long lasting battery. For base station operation you get webfront configuration over the ethernet or wifi interface. For Machine control applications you get a CAN interface to eliminate wiring and a sturdy vibration resistant aluminum housing. Stream your CAN sensor data and GNSS data over the wifi connection straight to your controller. For marine operation you get a clear graphical display for easy reading, multiple COM ports and readily available standard connectors like the D-sub, RJ-45 and TNC. Our designers were able to squeeze all this functionality in one small extruded 2mm thick aluminum housing that survives the toughest environments.

#### GNSS receiver

- 544 channels for tracking all known and future signals from GPS, GLONASS, GALILEO, BEIDOU, IRNSS, QZSS & SBAS on both antennas
- Dual L-band channel, support for TERRASTAR and VERIPOS corrections
- 20 Hz max output rate
- RTCM V2.2,V2.3,V3.0,3.1
- CMR2.0 and CMR+

#### Bluetooth:

- Bluetooth V2.1
- 8dBm output power
- Max 150m range

#### UHF SATEL modem

- Frequency range 403 - 473 Mhz
- Max power 1W

#### 2G modem

- Frequency bands 850, 900, 1800, 1900

#### Wifi interface

- 802.11 b/g/n
- 2.412 -2.472 GHz

#### Back connections

- 1x 10-30 VDC power input
- 2 x 9P D-SUB female (COM1&2)
- 1 x RJ-45 (ethernet)
- 1 x BNC (PPS)
- 1 x TNC (GNSS main)
- 1 x TNC (GNSS aux)
- 1 x TNC (UHF)
- 1 x TNC (WIFI 802.11b)
- 1 x M12 (MC CAN)

#### Front connections

- 1 x SMA (Bluetooth)
- 1 x SMA (2G modem)

#### Mechanical

- 249mm x 172mm x 55mm
- Weight :  
2.1 Kg with battery  
1.6 Kg without battery

#### Environmental

- Operational temperature -20°C +50°C

#### Power characteristics

- Wide input : 10-30VDC
- Battery: 14.4V 6.8Ah Lithium Ion