

MYLAPS

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X2 RACELINK

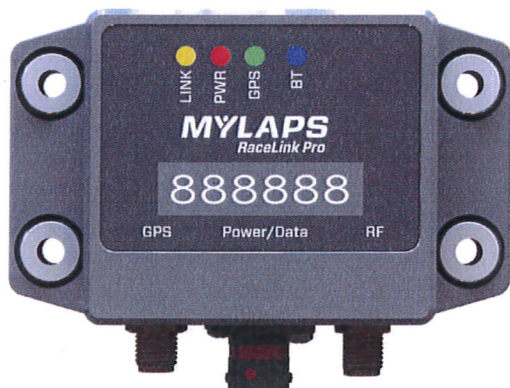
PRO



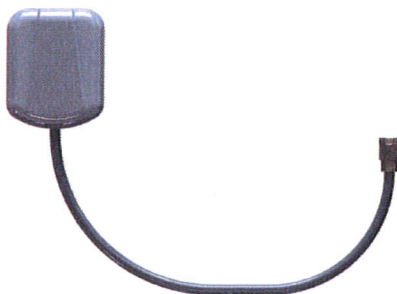
QUICK START GUIDE

EXPERIENCE **PROGRESS**

WHAT'S IN THE BOX?



X2 RaceLink Pro



GPS Antenna



RF Antenna
Extension Cable - 1M



RF Antenna Connector

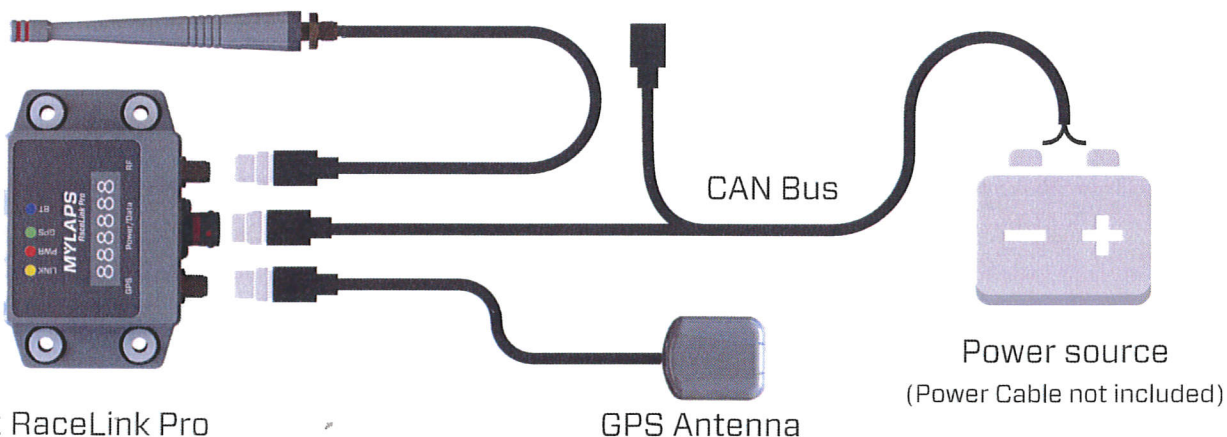


RF Antenna

SETUP

RF Antenna

Optional Sensor



X2 RaceLink Pro

GPS Antenna

**IN CASE YOU ENCOUNTER
ANY ISSUES,
PLEASE CONTACT YOUR
LOCAL OFFICE**

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INSTALLATION

- ▶ Make sure the GPS Antenna has a clear view to the sky at all times during racing
- ▶ Do not place the GPS Antenna next to other RF Antennas. Keep at least 1m distance
- ▶ Make sure the RF Antenna is placed as high as possible on the vehicle mounted on a conducting ground plane, having a clear view around the vehicle at all times during racing
- ▶ Do not place the RF Antenna next to other RF Antennas. Keep at least 1m distance
- ▶ Place the X2 RaceLink Pro in an area of the vehicle where the temperature does not get higher than 60 degrees Celsius (140 degrees Fahrenheit)
- ▶ When using an extension cable from the RF Antenna to the device, make sure to use a low loss (<1dB@2.4GHz) cable
- ▶ It is not recommended to shorten the cables

SPECIFICATIONS

DIMENSIONS	75x45x24mm / 3x1.8x1in
WEIGHT	85g / 0.19lb
OPERATING VOLTAGE RANGE	7 to 18VDC typical 12V
POWER CONSUMPTION	1.3W, 110mA@12V
BACK UP BATTERY LIFETIME	Up to 8 hours
BACK UP BATTERY CHARGING	1:2 ratio, 4 hours for full charge
OPERATING TEMPERATURE RANGE	0 to 60 °C / 32 to 140F
HUMIDITY RANGE	10% to 90% relative

POSITIONING	3 concurrent GNSS reception
SENSITIVITY	-167dBm, 72 channels
UPDATE RATE GPS	5Hz
GNSS ANTENNA CONNECTION	SMA(F), 3.0V active antenna
RF ANTENNA CONNECTION	RP-SMA(F)
MAXIMUM THROUGHPUT	Up to 128 messages/sec (GPS/CAN)
RF OUTPUT	+20dBm@2.4GHz ISM
BLUETOOTH MODE	5VDC

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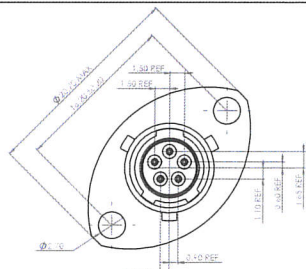
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LED INDICATION

NAME	COLOR	INDICATION
 LINK	YELLOW	BLINK = IN RANGE OF AN X2 BASELINK
 POWER	RED	BLINK = RUNNING FROM INTERNAL BATTERY ON = POWER OK
 GPS	GREEN	BLINK = GNSS LOCK
 BL	BLUE	BLINK = READY FOR BLUETOOTH CONNECTION ON = BLUETOOTH CONNECTION ESTABLISHED



DEUTSCH CONNECTOR PIN-OUT

PIN	POWER / CAN CONNECTOR: TYPE: DEUTSCH ASU003-05PN	
P1	12VDC	
P2	GND	
P3	CAN L	
P4	CAN H	
P5	OPEN COLLECTOR OUT	
CONTRA CONNECTOR DEUTSCH ASU603-05SN		

CABLE SPECIFICATIONS

Delock 89423 Antenna Cable RP-SMA plug > RP-SMA jack CFD/RF200 1m low loss

- ▶ **Connectors** RP-SMA plug > RP-SMA jack
- ▶ **Cable type** CFD/RF200
- ▶ **Attenuation** 2.4 GHz: 0.55 dB per meter
- ▶ **Impedance** 50 Ohm
- ▶ **Cable diameter** 4.8 mm
- ▶ **Colour** black
- ▶ **Length** ca. 1 m



An RP-SMA(M) RG174 crimp connector needs to be mounted to the bare RG174 coax cable of this RF Antenna after mounting the Antenna to the vehicle

**FCC Declarations:**

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.

Warning (part 15.21)

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

This is especially the case for the antenna, only connect the RF Antenna provided by MYLAPS.

RF Exposure (OET Bulletin 65)

To comply with FCC RF exposure requirements for mobile transmitting devices, this transmitter should only be used or installed at locations where there is at least 20cm separation distance between the antenna and all persons.