

X2 RACELINK

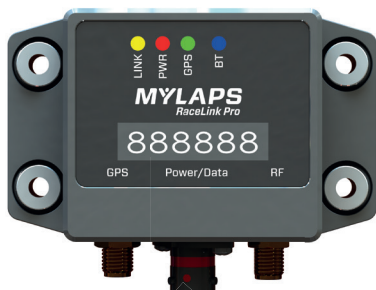
PRO



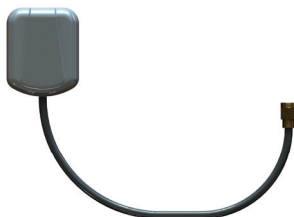
QUICK START GUIDE



WHAT'S IN THE BOX?



X2 RaceLink Pro



GPS Antenna



RF Antenna
Extension Cable - 1M



Mushroom Antenna
(Bike only)



RF Antenna Whip
(Car only)

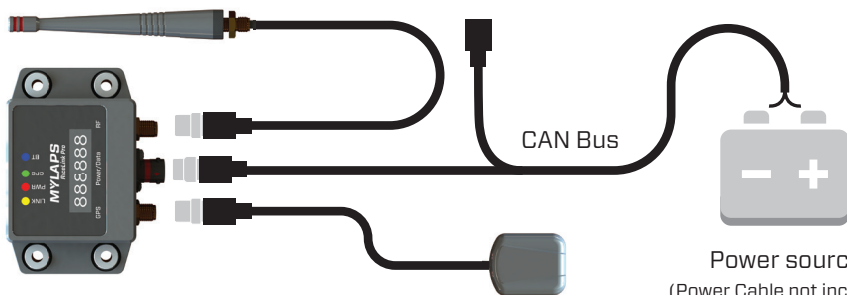


Antenna Adapter Cable
(Car only)

SETUP

RF Antenna

Optional Sensor



X2 RaceLink Pro

GPS Antenna

Power source
(Power Cable not included)

**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 50 degrees Celsius (122 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	POSITIONING	3 concurrent GNSS reception
WEIGHT	85g / 0.19lb	SENSITIVITY	-167dBm, 72 channels
OPERATING VOLTAGE RANGE	7 to 18VDC typical 12V	UPDATE RATE GPS	10Hz
POWER CONSUMPTION	1.3W, 110mA@12V	GNSS ANTENNA CONNECTION	SMA(F), 3.0V active antenna
BACK UP BATTERY LIFETIME	Up to 8 hours	RF ANTENNA CONNECTION	RP-SMA(F)
BACK UP BATTERY CHARGING	4 hours for full charge	RF OUTPUT	+20dBm@2.4GHz ISM
OPERATING TEMPERATURE RANGE	0 to 50 °C / 32 to 122F	CHARGING	250mA @ 5VDC
HUMIDITY RANGE	10% to 90% relative	PROTECTION CLASS	IP62 without connectors connected / IP64 with connectors connected

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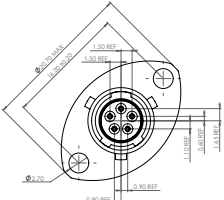
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LED INDICATION

NAME	COLOR	INDICATION
 LINK	YELLOW	BLINK = IN RANGE WITH AN X2 BASELINK
 POWER	RED	BLINK = RUNNING FROM INTERNAL BATTERY ON = POWER OK
 GPS	GREEN	BLINK = GNSS LOCK
 BL	BLUE	BLINK = READY FOR CONNECTION ON = 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	INPUT	
CONTRA CONNECTOR DEUTSCH ASU603-05SN		

CAN SPECIFICATIONS

- ▶ **Protocol** Can 2.0
- ▶ **Baudrate** 1Mbps (default), 500 or 250 Kbps
- ▶ **Termination** No termination

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

