Mandatory Use of MyLaps Racelink Devices

Starting in 2025, MotoAmerica will be requiring the use of MyLaps RaceLink devices. This will allow for bi-directional communication between the Timing Servers and the vehicle's CAN bus. The connection covers the complete circuit instead of just the moments whilst passing the timing loops. This allows Race Control messages sent to the bike to be received immediately, at any point of the circuit, allowing flag conditions and messages to be displayed on the vehicles dash.

The GPS on the RaceLink will provide live data on the real position of every vehicle (bikes, medical and safety cars) allowing Race Control to see the live position of all vehicles at any moment. This will help Race Direction with crash detection and marshaling.

This system will also provide crash data, speed, position, etc… which will be a great assistance in developing run-off areas, injury statistics and develop rider' protective clothing and so-on.

MotoAmerica will be using two versions of the device, the RaceLink Pro and RaceLink Club. Superbike and King of The Baggers will be required to use the RaceLink Pro while the Talent Cup classes can choose between the Racelink Pro or Club. All other classes may optionally adopt the device if they would like to have flag conditions sent to the rider's dash screen. Currently all DORNA roadracing championships and the British Superbike series require the Pro version. This is due to the added functionality provided by the Pro model. MotoAmerica also recommends that, if possible, all teams utilize the Pro version too.

Both versions of the Racelink can be purchased directly from MyLaps at a MotoAmerica only discount. Contact Balton Aulls (Balton.Aulls@mylaps.com) (678) 816-4000.

Prices w/discount:

- RaceLink Pro $1680.00
- RaceLink Club w/cable kit $674.24*

  (* There will be a subscription version of the Racelink Club available in 2025 – details will be provided when available)

MotoAmerica will have a few Racelink Club devices available for rent at each event. They will be $300 per event and on a first-come basis for availability.

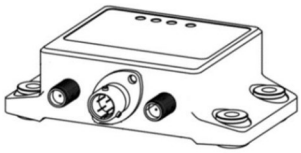
The setup installed on the bike consists of 5 components.

- RaceLink
- RF Antenna
- GPS Antenna
- Cable connection to Can Bus
- Light bar (if dash is not compatible)

A technical bulletin will be issued to specify what Can Bus channels must be made available. General mounting guidelines are as follows:

- Make sure the GPS antenna has a clear view to the sky at all times
- Make sure the RF antenna is placed as high as possible having a clear view around the vehicle at all times
- Place the device in an area of the vehicle where the temperature does not exceed 60 °C/140 °F
- Device needs to be connected to a power supply that is still active if the vehicle is switched off.

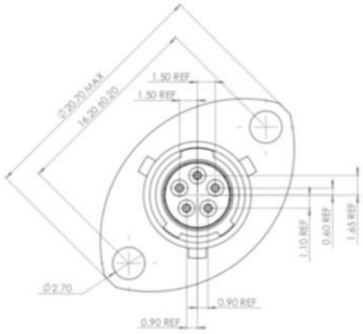
Technical Specifications:



	RaceLink Pro	Racelink Club
Dimensions	75x45x24mm / 3x1.8x1in	85x59.5x24 mm / 3.3x24x1 in
Weight	85g / 0.19lb	129g / 0.26 lbs
Operating voltage range	7 to 18VDC typical 12V	7 to 18VDC typical 12V
Power consumption	1.3W, 110mA@12V	1.3W, 110mA@12V
Back up battery lifetime	Up to 8 hours	Up to 16 hours
Back up battery charging	1:2 ratio, 4 hours for full charge	1:4 ratio, 5 hours for full charge
Operating temperature range	0 to 60 °C / 32 to 140F	0 to 60 °C / 32 to 140F
Humidity range	10% to 90% relative	10% to 90% relative
Positioning	3 concurrent GNSS reception	3 concurrent GNSS reception
Sensitivity	-167dBm, 72 channels	-167dBm, 72 channels
GNSS antenna connection	SMA(F), 3.0V active antenna	SMA(F), 3.0V active antenna
RF Antenna connection	RP-SMA(F)	RP-SMA(F)
RF output	+20dBm@2.4GHz ISM	+20dBm@2.4GHz ISM
IP Rating	IP64	IP64
Can Connector	Deutsch ASU003-05PN	M8 sensor 4p

RaceLink Pro Deutsch connector pin-out

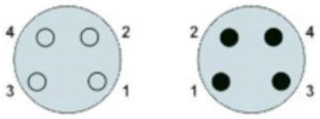
Deutsch ASU003-05PN
P1 = 12VDC
P2 = GND
P3 = CAN L
P4 = CAN H
P5 = Timing signal input – connect to Pin5 of the X2 transponder (for future use)
Harness side connector:
Deutsch ASU603-0



Racelink Club M8 connector pin-out

M8 Connector

Pin assignments:



Socket, 4-pos. Pin, 4-pos.

M8 PIN	Wire Color	Function
1	Brown	12V
2	White	CAN-L
3	Blue	Signal Ground
4	Black	CAN-H