

How to create lap triggers with the GPS Laptrigger module

Connect the GPS Laptrigger to the IR Laptrigger connector and turn the function on by pushing the "TRIP" button briefly. If you're using the 2015 bike the trigger mode must be set to "Automatic" or "External", please refer to the bike's manual.



Position of the IR Laptrigger connector



Recommended mounting position of the GPS Laptrigger

As soon as the GPS Laptrigger module has found the satellite's signal (takes up to 5 minutes, usually 1 minute), the LED is flashing fast¹ and it checks if the last used trigger coordinates are valid for the actual position (within a radius of 5 km). If the position is valid, it will be used to create a lap trigger. Otherwise the module searches if there is a matching start line stored in its GPS coordinates table. Have a look at the appendix for the circuit start lines which are stored in this table.

If there is no matching start line stored or you want to use another position you can manually define a position. To define a position you push the "TRIP"* button while driving/riding (speed > 10 km/h) for longer than 2 s. The module will then use the actual position of the vehicle (at the start of pushing) as a trigger position.



*** If you're using a 2015 bike, please use the grip heater button!**



A manually defined position will be stored until it is overwritten by a new position definition. A manually defined position is not stored in the GPS coordinates table.

To delete the actual used lap trigger position you push the "TRIP"* button while the vehicle does not move (speed < 5 km/h) for longer than 2 s. Then the GPS Laptrigger will search again for matching start lines in the table at the next turn on. By deleting the lap trigger position you can also check if you're using the correct button, as the flashing of the GPS Laptrigger's LED will change while pushing the button.

To turn off the lap trigger function you push the "TRIP" button briefly.

¹ fast = 5Hz, slow = 1Hz

Appendix – predefined tracks - 18.06.2014

Abbeville	Catalunya	Jarama
Achna Speedway	Charlotte	Jennings
Adelaide	Chayka	Jerez
Adria	Chelsea Handling Track	Johor
Ahvenisto	Chennai	Jyllandsring
Aiginio	Chenviers	Kansas Speedway
Aintree	Chicago	Kartodromo Fatima
Alastaro	Chicagoland	Katar- Losail
Albacete	Chuckwalla Valley Raceway	Kemora
Albert Park	Circuit of the Americas	Kentucky Speedway
Alcarrás	Croft	Kinnekulle
Ales	Croix-en-Ternois	KIP-Palmela
Almeria	Curborough	Knockhill
Anglesey	Curitiba	Knutstorp
Anhembi - Sao Paulo	Darlington Speedway	Korea Intertional Circuit
Anneau du Rhin	Darwin	Korfez
Ansan	Daytona	Kyalami
Artic Circle Raceway	Dijon	LaFerteGaucher
Ascari	Donington Park	Laguna Seca
Aschheim	Dover	Lakeside Queensland
Assen	Dreux	Las Vegas Motor Speedway
Atlanta Motor Speedway	Dubai	Ledenon
Autodromo da Salta	Dunsfold	LeMans
Autodromo Goianina	East London	Lime Rock
Autodromo Hermanos Rodrigues	Eastern Creek	Ljungbyhed Park
Autopolis	Ebisu South	Llandow
Bahrain	Elvington	Loheac
Barbagallo	Enna Pergusa	Lonato
Barber Motorsports Park	Estoril	Londrina
Baskerville	Eurospeedway Lausitzring	Loudon
Bathurst	Eusebio	Lydden
Bay Meadows	Fay de Bretagne	Magione
Beave Run Motorsports Complex	Fiorano	Magny Cours
Bedford Autodrome	Folembray	Mallala
Belle Isle	Fort Devens	Mallorca-Rennarena
Bilster Berg	Franciacorta	Mallory Park
Blackhawk Farms	Fuente Alamo	Manfeild
Blyton Park	FujiSpeedWay	Mantorp
Bombarral	Gateway International	Martinsville Speedway
Botniaring	Gellerasen Circuit	Mas du Clos
Braga	Gingerman Raceway	Maze
Brainerd	Goodwood	Megara
Brands Hatch	Gotland Ring	Memphis
Brasilia	Grattan	Mendig
Bresse	Grobnik	Miachkovo
Bristol	Guadix	Michelin Laurens Proving Grounds
Brno	Guapore	Mid America
Broadford	Hampton Downs	Mid Ohio
Bruntingthorpe	Hastings Motorsport Park	Midvaal
Buddh International Circuit	Hawai Raceway	Miller Motorsports Park
Bukernieki	Heartland Park of Topeka	Milwaukee
Buttonwillow Raceway	High Plains Raceway	Misano
Cadwell Park	Hockenheim	Mittsverigebanan
Calabogie	Homebush	Modena
Calafat	Homestead	Mont Tremblant
Calder	Honjo	Monteblanco
California Speedway	Hungaroring	Montreal
Campo Grande	Imola	Monza
Cape Town	Inde Motorsports Ranch	Morgan Park
Carolina Motorsport Park	Indianapolis	Mornay
Cartagena	Infineon Raceway	Moroso
Cascavel	Interlagos	Mosport
Castelloli	Istanbul Park	Most
Castle Combe	Jacarepagua	Motegi

Motopark	Putnam Park	Summit Point Motorsports Park
Motorland Aragon	Quensland	Surfers Paradise
Motorland Suzuka	Ramenskoe	Sviestad
Mugello	Red Bull Ring	Symmons Plains
Myrtle Beach	Reno Fernley	Talladega Superspeedway
Nakhonchaisri	Riberao Preto	Taruma
Nardo	Rijeka	Taupo
Nashville	Ring Djursland	Teretonga
Navarra	Rioveggio	Texas Motor Speedway
Nazareth	Road Atlanta	Three Sisters
Nelson Ledges	Roberto Muras Circuit	Thruyton
New Jersey Lightning	Rockingham	Thunderhill Raceway Park
New Jersey Thunderbolt	Ruapuna	Timaru
Nikko	Rudskogen	Tocancipa
Nogaro	Sachsenring	Tokachi
Nola Motorsports Park	Saellandsringen	Track
Norising	Salzburg	Troronto Motorsports Park
Nürburgring	Samara-Ring	Tsukuba
Okayama	San Luis Potosi	Valencia
Oran Park	Sandia	Valerbanen
Oschersleben	Sandown	Valkenswaard
Oulton Park	Santa Cruz do Sul	Vallelunga
Padborg Park	Sauga Circuit Auduring	Varano
Palm Beach	Schleizer Dreieck	Velo Citta - Mogi Guacu
Pannoniaring	Sebring	Velopark
Park Algar	Seinajoki	Virginia International Raceway
Pau Arnos	Sendai Highland	Wakefield Park
Paul Ricard	Sentul	Waneroo
Paw	Sepang	Waterford Hills
Penbry International	Serres	Watkins Glen
Phillip Island	Shanghai	Welkom
Pinarbasi	Siena	Wesbank Raceway
Pittsburgh	Silverstone	Willow Springs
Pocono Raceway	Slovakia Ring	Winton
Pomposa	Snetterton	Yas Marina
Port Elizabeth	Spa Francorchamps	Zandvoort
Portland	Spa Nishiura Motor Park	Zolder
Poznan	Spring Mountain	Zuhai
Prestwold Hall	St Petersburg Street Circuit	Zwartkops Raceway
Pukekohe	Sturup	
Pukekohe Park Raceway	Sugo	