

## Lap functions

# Lap detection

### Question:

How does different LAP detection modes work?

### Answer:

Two Beacon Modes are available: automatic and manual. Both can be set via MyChron5 keyboard.

- Automatic: in this mode the device understands the kart position in each moment and in any point of the track using both GPS and OPTIC/MAGNETIC sources at one time.
- Manual: this mode provides two additional sources:
  - GPS (default setting): track width has to be specified
  - OPTIC/MAGNETIC: number of segments and first segment have to be specified

Blind time, LAP display time and LAP summary are to be set for both beacon modes.

Lap Time Setup	
Beacon Mode:	MANUAL
Beacon Source:	GPS
Track Width:	10
Blind Time:	6 sec
Lap Display Time:	8 sec
Lap Summary:	Enabled

Lap Time Setup	
Beacon Mode:	MANUAL
Beacon Source:	OPTIC/MAGN
Beacon Segments:	4
Beacon First Seg:	1
Blind Time:	6 sec
Lap Display Time:	8 sec
Lap Summary:	Enabled

- Moreover a new feature has been developed: "Assisted Magnetic LAP Time": if the system misses a magnetic strip (LAP or splits), GPS will recover the missing point with the coordinates it has stored for the point during the session. This function is permanently "ON", because it is a solution to one of the most common failures of magnetic strips.