

SY-LaptimeKit-000

Laptime Kit standard

Function

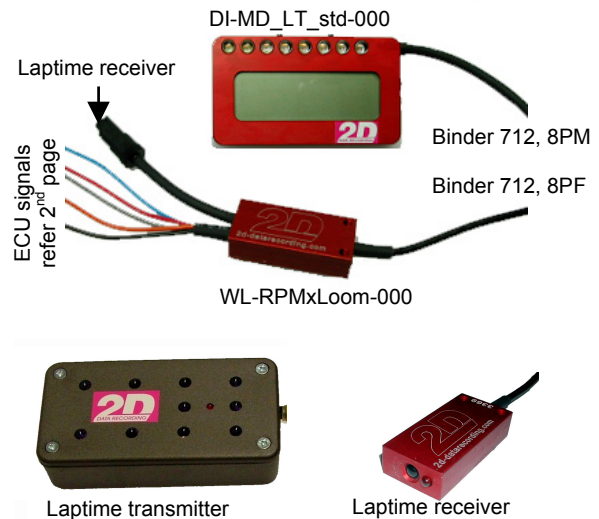
- The 2D Laptime Kit is designed to show RPM and laptime on three pages in different formats.

Scope of supply

- WL-RPMxLoom-000:
This loom gives the opportunity to pick-up the RPM signal directly from the ignition (for standard Ignitions e.g. superbikes, car, street bikes...)
- SD-LR02C-000:
Laptime receiver with fixed channel code
- SD-Kit_LT02-000:
Laptime transmitter
- DI-MD01-000
Laptime display: 1 x Laptime, 2 x RPM on 3 pages

Note

- The receiver should be mounted to a position where a good alignment to the transmitter is guaranteed. Avoid direct sunlight to the lens !



Technical specifications

Electrical characteristics

Laptime transmitter

Power supply.....	+8..16 V dc
Current consumption@12V....	220 mA
Connectors (open wires)	
brown.....	+8..16 V
blue.....	GND

Measure distance:	
minimum.....	1 m
maximum.....	20 m

Laptime display

Power supply.....	+8..16 V dc
Current consumption@12V....	90 mA
Measured channels:	
Laptime.....	1
RPM.....	2

RPM	
Input signal.....	7-40 V
Input overload.....	±500 V
Frequency range.....	10 to 550 Hz
from serial n°99.....	10 to 800 Hz

LED Bar: (2 green / 2yellow / 2 red)

Mechanical characteristics

Laptime display

Housing material.....	aluminium
Weight.....	80 g
Dimensions.....	70 x 40 x 17 mm

Laptime transmitter

Housing material.....	aluminium
Weight.....	140 g
Dimensions.....	90 x 40 x 25 mm

Laptime receiver

Housing material.....	aluminium
Weight.....	25 g
Dimensions.....	42 x 20 x 10 mm

WL-RPM-xLoom-000

Housing material.....	aluminium
Weight.....	35 g
Dimensions.....	35 x 15 x 10 mm

Environmental

Ambient operating range.....	-25..+70 °C
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Avoid direct sunlight to the lens !

Ordering information

Standard.....	SY-LaptimeKit-000
<u>without</u> laptime transmitter.....	SY-LaptimeKit-002
<u>without</u> RPM.....	SY-LaptimeKit-004

SY-LaptimeKit-000

Laptime Kit standard

Connection advice

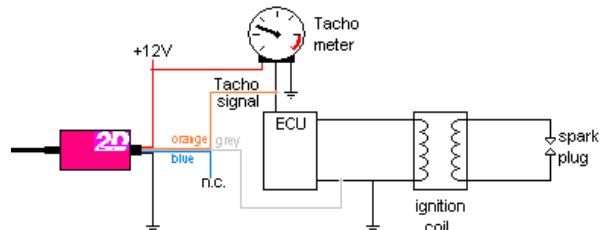


Basic connection

Red wire is +12V, black wire is Ground

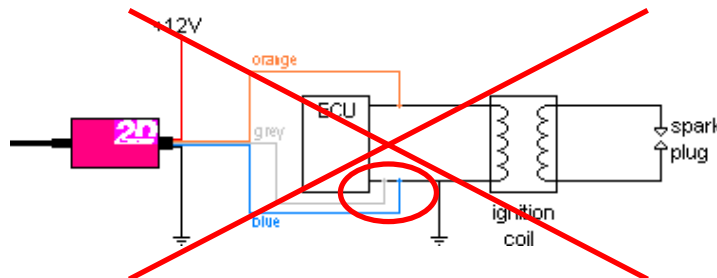
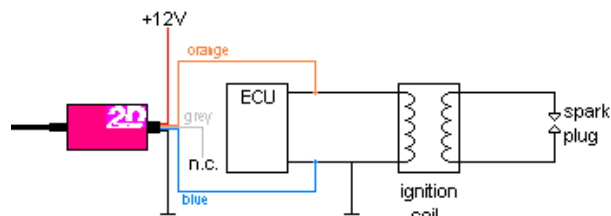
a) Schema 1 Low -voltage Function

- Orange wire to the rpm-signal of the tacho, or the ECU.
- Grey wire to ground
- Blue wire is not needed, cut and make a good isolation



b) Schema 2 High-Voltage Function

- Orange wire to ignition or ignition coil
- Connect only at the primary side (Lower Voltage)
- Blue wire to ground
- Grey wire is not needed, cut and make a good isolation



Wrong

**Never connect the
blue and the grey wire
at the same time !**

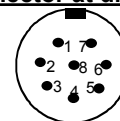
CAN-line (MiniDash)

Pin	Name	Description	Color (standard)
1	LAP	Laptrigger	white/violet
2	GND	Ground	black
3	On COM	Communication	white/yellow
4	Vext	Power IN (8-18V)	red
5	CAN H	CAN Bus High	grey
6	CAN L	CAN Bus Low	green
7	TxD	Serial Bus Transmit	white/grey
8	RxD/RPM	Serial Bus Receive	white/green

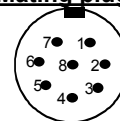
Laptrigger

Pin	Name	Description	Color (standard)
1	GND	Ground	black
2	n.c.	n.c.	-
3	LAP	Laptrigger	white
4	+12V	Power supply	red

Connector at display Mating plug



Binder 712, 8 PM
(front side)



Binder 712, 8 PF
(front side)

Laptime receiver WL-RPMxLoom-000



Binder 719, 4 PM
(front side)



Binder 719, 4 PF
(front side)