



T DASH Mini **USER MANUAL**





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INTRODUCTION

Congratulations on the purchase of your T DASH Mini product!

The T DASH Mini is an additional external display to the MYLAPS X2 Racelink. It is primarily used for on-board flagging and shows all flags that are supported by the MYLAPS X2 Race Control system.

The small form factor of the T DASH Mini allows it to be especially used on bikes, Formula cars or karts.

It allows for displaying extra functions supplied by Race Control like official timing results. Depending on your timing & Race Control service provider these extra functions may be available.

Features

- 76x284 high bright full color 2.25" TFT display
- Rugged aluminium housing with potted electronics (IP67)
- Plug & play M8 connection with the MYLAPS X2 Racelink Club
- Compatible with the X2 Race Control Server API
- Official results possible
- 1 Pitlane timer possible

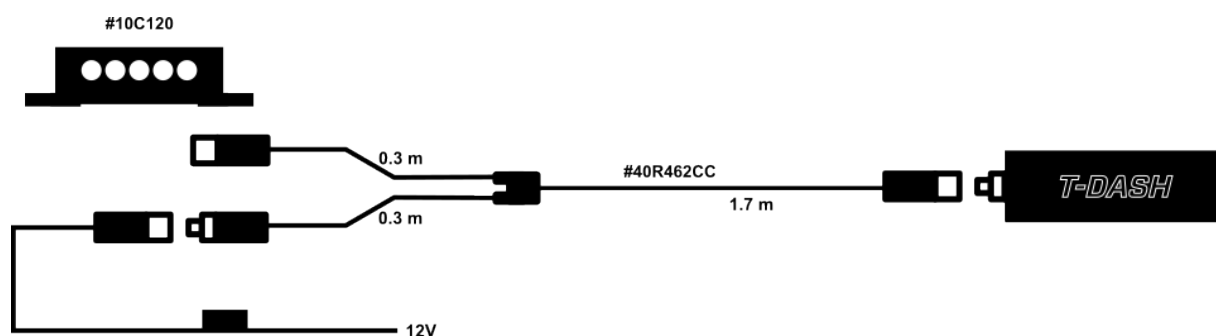
Accessories (not included)

When using a Racelink Club:

- Racelink Club, MYLAPS #10C120CC
- M8 Y-connection cable, MYLAPS #40R462CC

INSTALLATION

Connection diagram

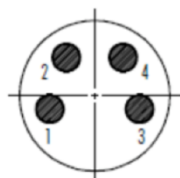


Always use a fused power supply coming from the switched main power.



M8 connector pin-out

M8 circular sensor connector i.e.; Binder 718 series

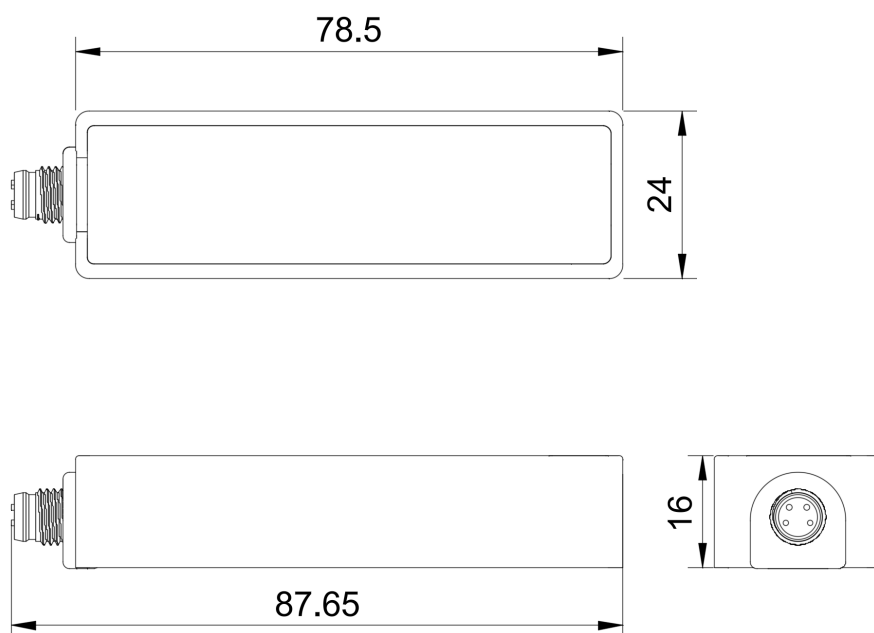


	X	Y
1	-1,70	-0,50
2	-1,08	1,45
3	1,70	-0,50
4	1,08	1,45

1 braun/brown
2 weiß/white
3 blau/blue
4 schwarz/black

Brown wire = 12VDC
Blue wire = Ground
Black wire = CAN high
White wire = CAN low

Measurements



Dimensions are in mm

Do's & Don'ts

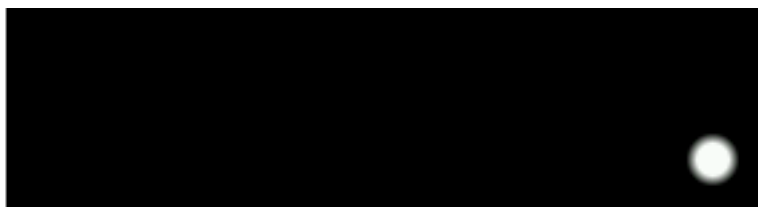
- Install the T DASH Mini with the connection on the right-hand side
- Install the T DASH Mini in the cockpit at a position where the driver has a good view of it in all racing conditions
- Make sure the T DASH Mini is securely mounted; for example, use 3M Dual Lock SJ3551CF. Degrease the mounting surface well before applying the 3M Dual Lock
- Do not install the T DASH Mini in a place where it is in direct sunlight
- Do not install the T DASH Mini in a place where it is in a spray of water in wet racing conditions



Flagging

Clear flag

The T DASH Mini will show each flag sent by Race Control. In normal race conditions this means it will show a 'clear' flag indicated by a white dot in the lower right-hand corner.



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When Race Control also provides official results, the T DASH Mini will show the latest result received a few seconds after the clear flag was received.

Flagging interrupted

In the situation that the T DASH Mini doesn't receive a flag, the flag situation is unknown and therefore the T DASH Mini will show a 'Link lost' warning.



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Please be aware that as long as the link is lost the flag situation on your T DASH Mini cannot be guaranteed!



**Always observe the marshal posts and personnel around the track.
Pay extra attention to the marshal posts in the above situations or when the T DASH Mini doesn't show any information!**



Supported flags

Below you will find the flags supported by the T DASH Mini together with their flag ID. In case Race Control sends a flag ID that is not supported by your T DASH Mini it will show the ID only.

 0	 1	 2
 3	 5	 6
 7	 8	 9
 10	 11	 12
 16	 21	 22
 23	 24	 25
 26	 31	 32
 33	 34	 35
 36	 39	 40
 41	 42	 59
 85	 88	 104



105



106



107



112



114



115

OFFICIAL RESULT

Depending on the Timing Service provider, official results may be distributed via the MYLAPS X2 Link system. When this service is provided the below information may be available.



As there is limited space on the T DASH Mini display only Position in Race or Qualifying and the last lap time are displayed.

For the official results, color coding like in high-end race series is used:

- Yellow font = worse than previous
- White font = better than previous
- Green font = personal best
- Purple font = overall best



SCREENSAVER

The T DASH Mini will show a screen saver (moving logo) after the connected Racelink shows no movement for 30 minutes and there are no other inputs received.

SPECIFICATIONS

Dimensions	78.5 x 24 x 16mm
Weight	appr. 60 grams
Operating voltage range	7 to 16 VDC typical 12 VDC
Power consumption	appr. 1 W, 0.08A@12 V Max
Operating temperature range	-20 to 70°C
Ingress Protection	IP67, with cable connected
Humidity range	10% to 90% relative
Display	Full Color 76 x 284 IPS TFT 15 x 55 mm view with 120(H) x 70(V) degree viewing angle 600 nits maximum brightness
CAN termination	120 Ohm
CAN baud rate	1 Mb



HANDLING PRECAUTIONS

1. Since the display window is made of glass, avoid mechanical impacts such as dropping from a high position
2. If pressure is applied to the display window surface it may be damaged
3. When the surface of the display window is dirty, use a dry cloth, never use a solvent as the display window will get damaged
4. When dirt like soil is on the display window it is recommended to use tape (e.g. Scotch mending tape 810) to remove the dirt before cleaning the display window with a dry cloth. This is important to avoid scratches on the surface of the display window.

Failure to observe the above precautions may void the warranty.



DISCLAIMER

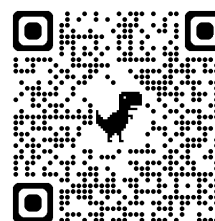
This product has been designed with the utmost care. However, TMS Products B.V. accepts under no circumstances liability in any form whatsoever for damage or injury resulting from or arising out of the use of this product.

We make every effort to provide correct and up-to-date information about our products however, no liability is accepted for incomplete or incorrect information in this manual.

This product is designed, among other things, to improve safety in motorsport. However, it is only an aid to the user which, when everything is fully functional, may make the situation on a track safer. However, the user remains responsible for his own safety at all times and cannot claim any liability in case of malfunction of the product or the products linked to it.

The sale of products governed by this publication are covered by TMS Products B.V.

Terms and Conditions and can be found here:



Always keep observing the marshal posts and personnel around the track!

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and*
- (2) This device must accept any interference received, including interference that may cause undesired operation.*



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