

Multi-Function Touch Display (RLVBMFDT)



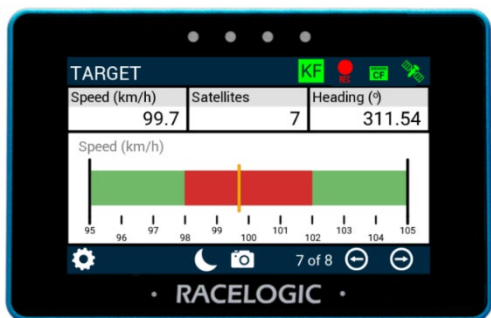
The Multi-Function Touch Display (MFD Touch) is designed to show GPS and CAN derived data channels which are outputted from a VBOX 3i or VBOX 3i ADAS data logger, VBOX 3iS inertial navigation system or a VBOX 100 Hz Speed Sensor. It can also calculate and present performance test and lap timing results to the driver in real-time, with no post-processing required.

MFD Touch has a 4.3" daylight readable colour touchscreen, making it easy to see the data required for each test. It also provides the driver with audio and visual alerts, including when user-defined data conditions or test conditions have been met, via an inbuilt speaker and 4 x LED status lights.



The MFD Touch is ideal for testing where the user needs to monitor one or more parameters live in the vehicle. Up to six data parameters can be displayed simultaneously on a screen, with eight different screen layouts available to switch between.

Performance test and Lap Timing results can either be viewed instantly on screen or can be written to an SD card in a text file. Performance test results are additionally output via CAN.



Key Features

- 4.3" TFT colour touchscreen
- Displays up to six data channels simultaneously.
- Audio and visual alerts (via inbuilt speaker and LED status lights)
- User-configurable display parameters
- Connects directly to the VBOX 3i via CAN
- Ideal for performance and braking tests (speed-to-speed and trigger activated)
- Ideal for slalom, point-to-point and circuit based lap timing tests
- Supplied with a heavy-duty rubber suction cup
- Compatible with the RACELOGIC CAN Hub
- Connects directly to thermal printer (insert part number) to print out all configured test results.
- Lifetime customer support

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Parameters which can be displayed on the MFD Touch:

General parameters are taken from a standard Racelogic CAN output. Decel test parameters are commonly used in brake testing, the majority of which require the use of the VBOX brake pedal trigger (RLVBACS004) or VBOX Pedal Force Sensor (RLACS282) and Event Marker Interface (RLACS292).

Lap Timing test parameters are used for any testing where speed at a location or time between points is important, such as Lane change testing and Slalom performance testing.

Standard Parameters	Deceleration Test Parameters
<ul style="list-style-type: none"> • Speed (km/h or mph) • Satellite Count • Heading (degrees north) • UTC Time • Height (m or ft) • Vertical Velocity (km/h or mph) • Longitudinal Acceleration (g or m/s²) • Lateral Acceleration (g or m/s²) • Max lateral Acceleration (g or m/s²) • Average Speed (km/h or mph) • Distance Travelled (m or ft) • Longitude (degrees minutes decimal seconds) • Latitude (degrees minutes decimal seconds) • Solution Type • Trigger • Radius of Turn (m or ft) • Filename (VBOX 3i only) • Logging Status (VBOX 3i only) • Memory Used in % (VBOX 3i only) • KF Status (VBOX 3i and VBOX 3iS only) • Speed Quality (km/h or mph) 	<ul style="list-style-type: none"> • Deceleration Test Number • Deceleration Distance (m or ft) • Deceleration Time (s) • Deceleration Test Start Speed (km/h or mph) • Deceleration AMS Distance (m or ft) • Deceleration MFDD (g or m/s²) • Average Deceleration (km/h or mph) • Peak Deceleration (km/h or mph) • Deceleration Centreline Deviation (m or ft) • Trigger Test Number • Distance from Trigger (m or ft) • Time from Trigger (s) • Speed at Trigger (km/h or mph) • Corrected Trigger Distance (m or ft) • Trigger AMS Distance (m or ft) • Trigger MFDD (g or m/s²) • Trigger Average Deceleration (g or m/s²) • Trigger Peak Deceleration (g or m/s²) • Trigger Centreline Deviation (m or ft)
Accel Test Parameters	Lap Timing Parameters
<ul style="list-style-type: none"> • Acceleration Test Number • Acceleration Time (s) • Acceleration Distance (m or ft) • Maximum Speed (km/h or mph) • Peak Acceleration (km/h or mph) • Average Acceleration (km/h or mph) • Speed at Distance (km/h or mph) 	<ul style="list-style-type: none"> • Lap Count • Lap Time • Last Lap Time • Best Lap Time • Average Lap Time • Speed at Last Split (km/h or mph) • Last Split Time • Speed at Start (km/h or mph) • Speed at Finish (km/h or mph) • Split Time 1-6 • Speed at Split 1-6 (km/h or mph)

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Environmental and Physical:

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Input Voltage	6 – 30 V DC
Power	< 7W, powered using the supplied power cable
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +80°C
Size (rounded)	134 x 84 x 29 mm
Weight	313 g (with plastic mount connector)

Touch Screen	
Size	4.3" TFT Capacitive Touch
Resolution	480*800 pixels
TFT LCD Display Colours	262K colours (18 Bit)

Mounting	
Richter mounting system or ¼" 20TPI UNC	



Package Contents:

Description	Product Code
1x MFD Touch	VBMFDT
1x VBOX to VBOX Module Cable (2m)	RLCAB005-C
1x Windscreen Suction Mount	RLACS331
1x Transcend Premium 8 GB Class 10 SDHC Card 400x SDHC UHS-1	RLACS259