

# Multi-Function Touch Display (RLVBMFDT)



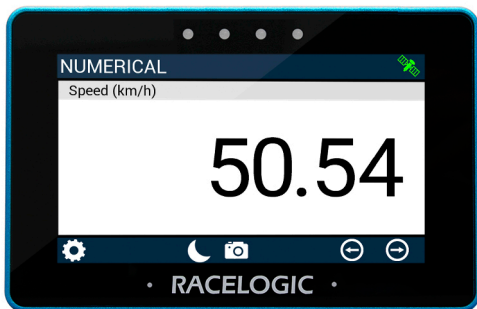
The Multi-Function Touch Display (MFD Touch) is designed to show data from GPS derived channels, such as speed and heading, that are outputted from a VBOX 3i data logger. It can also calculate and present performance test results to the driver in real-time, with no post-processing required.

It has a 4.3" daylight readable colour touchscreen, making it easy to see the data required for each test. The MFD Touch 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 GPS derived data parameters can be displayed simultaneously, which are user configurable from the list overleaf, including speed, heading, radius of turn, distance travelled, and numerous brake test channels. The parameters are taken from a standard Racelogic CAN output from the VBOX 3i.

Performance test results are output via CAN and can either be viewed instantly on the large colour touchscreen, or can be written to SD card, in a text file.



## 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)
- Supplied with a heavy-duty rubber suction cup
- Compatible with the RACELOGIC CAN Hub

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## Parameters which can be displayed on the MFD Touch:

General parameters are taken from a standard Racelogic CAN output from the VBOX 3i.

Brake test parameters are commonly used in brake testing, the majority of which require the use of the VBOX brake trigger switch or VBOX Pedal Force Sensor and Event Marker Interface.

### General Parameters:

- UTC Time
- Satellite Count
- Speed (km/h or mph)
- Heading (degrees north)
- Height (meters or feet)
- Vertical Velocity (km/h or mph)
- Lateral Acceleration (g)
- Max lateral Acceleration (g)
- Longitudinal Acceleration (g)
- Average Speed (km/h or mph)
- Distance Travelled (meters or feet)
- Latitude (degrees minutes seconds)
- Longitude (degrees minutes seconds)
- Solution Type
- Connected VBOX Trigger Distance
- Radius of Turn (degrees)
- Speed Quality

### Brake Test Parameters:

- Deceleration Test Number
- Deceleration Distance (meters or feet)
- Deceleration Time (s)
- Deceleration Test Start Speed (km/h or mph)
- Deceleration AMS Distance (meters or feet)
- Deceleration MFDD
- Average Deceleration (km/h or mph)
- Peak Deceleration (km/h or mph)
- Trigger Test Number
- Distance from Trigger (meters or feet)
- Time from Trigger
- Speed at Trigger (km/h or mph)
- Corrected Trigger Distance (meters or feet)
- Trigger AMS Distance (meters or feet)
- Trigger MFDD
- Trigger Average Deceleration (G)
- Trigger Peak Deceleration (G)

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## Environmental and Physical:

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

Touch Screen	
<b>Size</b>	4.3" TFT Capacitive Touch
<b>Resolution</b>	480*800 pixels
<b>TFT LCD Display Colours</b>	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 Power Cable (2m)	RLCAB005-C
1x Swivel Neck Richter Suction Mount	RLACS277
1x Transcend Premium 8 GB Class 10 SDHC Card 400x SDHC UHS-1	RLACS259