
TDB001 REMOTE CONTROL TESTER
OPERATING MANUAL



The Diagnostic **BOX**.com

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INTRODUCTION

The TDB001 Remote Control Tester has been designed to offer a quick and accurate way to test radio frequency (RF) remote controls and also infra red (IR) remote controls.

The TDB001 offers a simple check that the remote is sending a signal, but more important that the frequency it is sending is correct. This is important for imported vehicles and systems, as there are a number of different frequencies used across the world.

Other features include a rear magnet so the unit can be fixed inside a van for easy storage, or if your working on a vehicle it can be fixed somewhere safe and will not slip off.

The TDB001 uses 3 AA batteries, normal or rechargeable, making it very cost effective, and will run for a minimum of 20 hours with good batteries.

It also features a low battery indicator, to show when the batteries need recharging or replacing and a 3.5 numerical backlit display, making the unit easy to use in all lighting conditions.

- User friendly and portable
- Powered by 3 x AA Batteries
- Can be used on ALL Makes of vehicles, boats, trucks and motorbikes
- Test Radio Frequency Remote controls (RF)
- Test Infra Red Remote Controls (IR)
- Low cost
- Time saving
- Simple to use

LCD Display

Infra Red (IR) receiver window

RF Antenna

Power Button

Battery Compartment

Magnetic Panel



GENERAL OPERATION

INSERTING THE BATTERIES

Remove the rear cover, as shown.



Insert the batteries, ensuring correct polarity.



Replace the rear cover.

SWITCHING THE UNIT ON

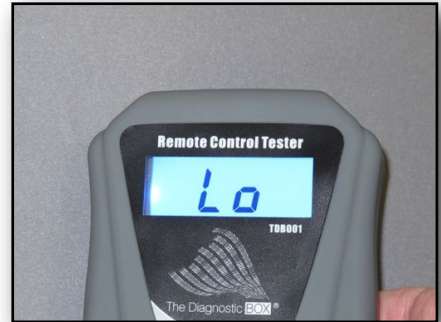
Press the button on the front panel once to turn unit on.

The tester will power up, displaying version information and self check info.



BATTERY LOW INDICATION

If the batteries are low, then an indication will be displayed as follows (bAt Lo), please recharge or replace the batteries to ensure correct and accurate readings.



TESTING INFRA RED (IR) REMOTE CONTROLS

Switch the unit ON, and wait for the self check to finish so that a 0 is displayed. Point the Infra Red Remote control towards the top of the unit as shown. If there is a signal being sent the tester will display 'Infra'.



TESTING RADIO FREQUENCY (RF) REMOTE CONTROLS

Switch the unit ON and wait for the self check to finish so that a 0 is displayed. Place the remote control near the front of the unit, as close to the logo and ON button as possible and press the remote control button. The frequency will be displayed. Repeat the procedure a few times to ensure an accurate reading is made.



IMPORTANT NOTE : *If you receive erratic or incorrect frequency readings, ensure the device is away from Mobile Phones, Wireless internet, Bluetooth devices etc. These devices work on similar frequencies to some of the remote controls and therefore it is important that they are not in close proximity while the test is performed.*

There are a number of frequencies used across the world, and depending on the country and region will depend on the frequency used.

Below is a table of frequencies used, and the expected readings that you may receive using the TDB001 in terms of accuracy. Some of these are not used on current models, but have been used in the past on older models.

FREQUENCY	TERRITORY/COUNTRY	TEST RANGE
224 MHz	FAR EAST & AUSTRALASIA	220 - 230 MHz
303 MHz	USA, CANADA & S.AMERICA	295 - 310 MHz
315 MHz	USA, CANADA, JAPAN & S.AMERICA	310 - 320 MHz
415 MHz	EUROPE	410 - 420 MHz
433 MHz	EUROPE & ASIA	425 - 440 MHz
868 MHz	WORLDWIDE	850 - 880 MHz

SPECIFICATION

BATTERIES	3 X AA RECHARGEABLE OR NORMAL
WEIGHT	130 Grams
SIZE	84 mm (W) x 140 mm (H) x 29 mm (D)
CURRENT CONSUMPTION	40 mA
LCD	3.5 Numerical Backlit LCD Display
ACCURACY	+ - 5%
FREQUENCY RANGE	100 Mhz to 1000 Mhz
AUTO POWER OFF	30 Seconds

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DECLARATION of CONFORMITY

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Manufacturer's Name: The Diagnostic Box

Manufacturer's Address: 24 Helmers Way
Chillington
Kingsbridge
Devon
TQ7 2EZ
United Kingdom

Product Name: Remote Control Tester

Product Model: TDB001

Conforms to: Specifications
EN 55022:1998, A1: 2000 + A2: 2003
EN 55024:1998, A1: 2001 + A2: 2003

Following the Provisions of EMC Directive: 89/336/EEC

TDB001 December 2012

Product conforms to class A emission standards

Signed : _____

Signed on behalf of The Diagnostic Box

