



# MDM-100N

Multi Display Monitor

For NISSAN

## INSTRUCTION MANUAL

Thank you for purchasing TECHTOM's MDM-100.

Please read this manual carefully prior to installation and/or operation of product. If you have any difficulty with the product, please contact your dealer or Technosquare for technical support.

MDM-100N works on the later than 1989 model year vehicles equipped with self diagnostic system (Consult) and compatible connection ports.

If your ECU has been modified or replaced with aftermarket engine management products, MDM may not work correctly.

### **!CAUTION!**

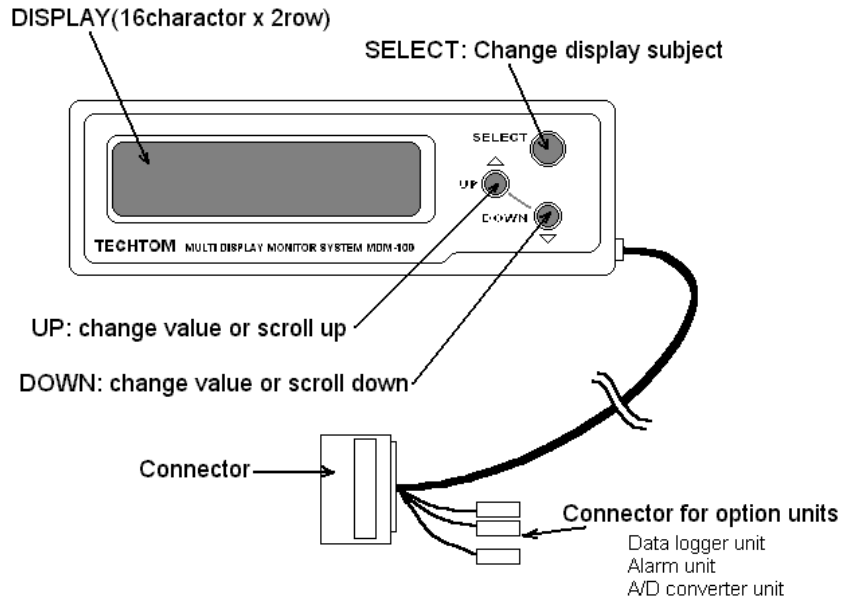
- DO NOT disassemble units
- DO NOT place units on or near heat source
- DO NOT leave in direct sunlight
- AVOID contact with water
- Ensure MDM, connector and cable are securely attached and do not obstruct driving.
- DO NOT connect MDM to any connector other than designated diagnostic connector.

### 1. Contents of MDM-100

Package contains following items

MDM-100 Unit x1  
Cable Ties x2  
Heat resistant hook-and-loop fastener x1

## 2. Overview of MDM-100

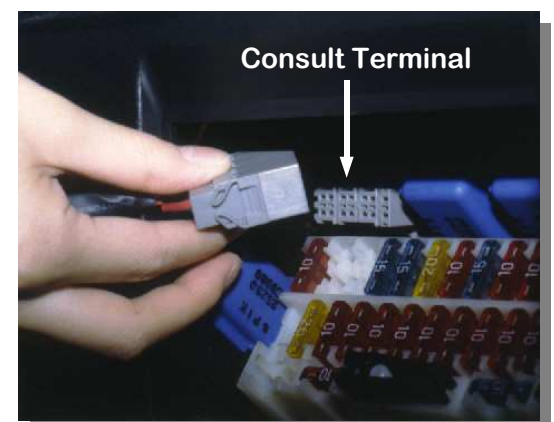


**- NOTE -**

Option Unit Connectors are designed to be used with TECHTOM Optional devices only.  
For more details refer to each Optional Unit Instruction Manual.

## 3. Installation

1. Find a suitable location for MDM. Secure the MDM by using hook-and-loop fastener or double sided tape. Make sure the mounting surfaces are clean. After attaching MDM, do not move tape for about 24 hours.
2. Locate the fuse box under dash panel on the driver side. Remove the cover and locate a diagnosis connector (CONSULT terminal) near the fuse box.
3. Connect MDM's connector to the diagnosis connector of the vehicle. These connectors have direction, so be sure the mark of the connectors match.
4. Secure the cable of MDM with the tie wraps. Make sure the cable does not obstruct your driving.

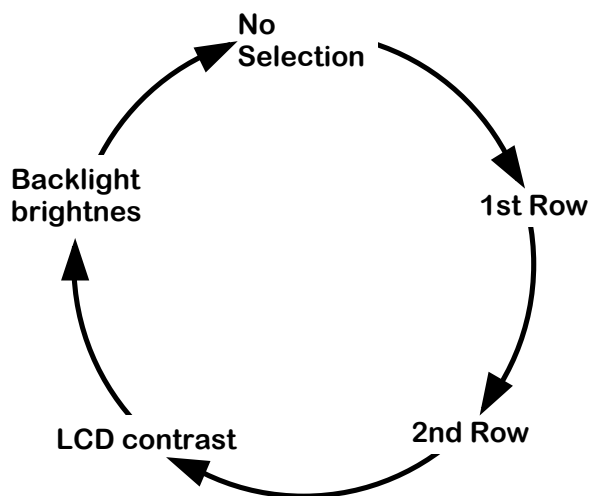


## 4. Operation of MDM-100

After you complete installation, start the engine. MDM should display 2 sets of data after the start up screen.

Sample	SPD	0	MPH	←	1st Row
	RPM	950	RPM	←	2nd Row

### Selecting and changing the items on screen



Choose the item to change by pressing SELECT button. Arrow points to selected item.

SPD	0	MPH
→ RPM	950	RPM

Each time SELECT is pressed, the arrow will move to next available item.

Change the setting by pressing the UP or DOWN button.

Whenever you make a change, the display will return to the normal screen in 5 seconds. (MDM will recall the changes you make, even if power is cut off)

#### NOTE:

- *The items that can be displayed depend on the automobile specifications.*
- *Values that appear on the screen are numbers from the ECU and may not be precise due to sensor's characteristics.*
- *You cannot set the same item on the screen at the same time.*

### Adjusting Display

Display adjustment can be done by following mode.

Contrast ADJ —Adjust contrast of LCD display.

Dimmer ADJ —Adjust backlight brightness of LCD display.

## 5. Trouble shooting

If MDM is not functioning properly, shut power off immediately and check the connection of connectors and cable. If cause of problem is unknown, please contact the dealer for technical support service.



#### Limited 1-Year Hardware Warranty

1. Technosquare, Inc warrants to the purchaser of this product that it will be free from defects in material and workmanship for a period of one (1) year from the date of purchase. If the product should become defective within the warranty period, Technosquare, at it's option, will repair or replace the product, or refund the purchaser's purchase price for the product, provided it is delivered at the purchaser's expense to an authorized Technosquare service facility or to Technosquare.
2. Repair or replacement parts or products will be furnished on an exchange basis and will either be new or reconditioned. All replaced parts or products shall become the property of Technosquare. This warranty shall no apply if the product has been damaged by accident, misuse, abuse or as a result of unauthorized service or parts.
3. Warranty service is available to the purchaser by delivering the product during the warranty period to an authorized Technosquare service facility or to Technosquare and providing proof of purchase price and date. The purchaser shall bear all shipping, packing and insurance cost and all other costs, excluding labor and parts, necessary to effectuate repair, replacement or refund under this warranty.
4. For more information on how to obtain warranty service, write or telephone Technosquare at 22521 Normandie Ave, Torrance, CA 90501, (310) 787-0847.



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## MDM-100N Display Items List

Display	Description	Unit
SPD	Speed	Km/h . M/h
RPM	Engine RPM	rpm
AFM1 . AFM2	Air Flow Meter	V
INJ1 . INJ2	Injector Duty Cycle	ms
IGN	Ignition Timing	deg
FB1 . FB2	Air Fuel Adjustment Ratio	%
WTMP	Water Temperature	°C . °F
ITMP	Intake Temperature	°C . °F
BATT	Battery Voltage	V
THP	Throttle Position	V
O2S-1 . O2S-2	Oxygen Sensor 1 . 2	V
O2-1 . O2-2	Oxygen Sensor 1 . 2	LEAN . RICH
IDL-SW	Idle Switch	ON . OFF
NTL-SW	Neutral Switch	ON . OFF
POWERST-SW	Power Steering Switch	ON . OFF
AIRCON-SW	Air Condition Switch	ON . OFF
BCSV	Boost Control Solenoid	ON . OFF
AAC	Idle Speed Control	No Unit

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