NT-160B
USER MANUAL

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(Rev 1.0)

Contents

1. Introduction

NT-160B is an intelligent plug-n-play Bluetooth OBD scanner based on vehicle OBDII interface. It supports any 9-32V vehicles compliant with OBDII/EOBD/JOBD as well as J1939 protocols. By capturing car ECU running parameters (RPM, speed, TP etc) and DTCs, device can be used for driving behavior analysis and car health check.

2. Specifications

2.1 Technical Parameters

Working voltage	8~32V DC	Working current	<40 mA@12V
Sleep current	<5.5mA@12.0V	Bluetooth Frequency	2.40-2.48GHz
3-axis Accelerometer	+/-8 g	Internal storage	2M
Storage temperature	-40℃ ～ +85℃	Working temperature	-30℃ ～ +70℃
Dimension	51*28*36 mm	Weight	33g

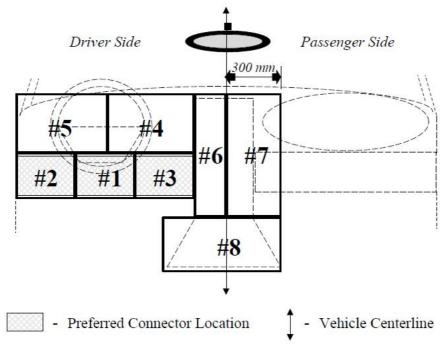## 2.2 Status Indicator

Indicator	Color	Status

Power LED	Red	Solid on - Power on Solid off- Power off
OBD LED	Green	Blinking – Trying to communicate with ECU Solid on – ECU communication Successful Solid off – No communication
Bluetooth LED	Orange	Blinking - Trying to connect Bluetooth. Solid on – Bluetooth connected Solid off –Bluetooth connection failed

3. Installation Instruction:

3.1 Locate OBD Port

Generally, the 16-Pin OBD port is located in the driver or passenger cabin, from the edge of dashboard on driver side to the border of 300mm. The preferred location is within the area from steering post to the vehicle centerline.

3.2 OBD Communication Verification

Device will try to communicate with Car ECU when ignition is on.
Status indication pls refer to 2.2

3.3 Bluetooth Connection

Pls turn the external Bluetooth on and connect with device.
Paring Code: 0000,   Status indication pls refer to 2.2

4. Functions

- Read live engine data, including speed, RPM, ECT etc.
- Read diagnostic trouble codes and freeze frame data
- Mileage statistic
- Fuel consumption statistic
- Driving behavior monitoring, including speeding, harsh braking, hard acceleration, idle engine, towing, excessive exhaust emission etc.
- Ignition on/off detection
- Vehicle battery monitor

5. Features

5.1 Support 9-32V vehicles of multi-protocols:

NT-160B supports any vehicles that compliant with OBDII standards, as well as exclusive protocols, especially for Japan vehicles.

Standard protocols:
- J1850-PWM
- J1850-VPW
- ISO 9141-2
- ISO 14230-4 (KWP2000)
- ISO15765-4(CAN)
- SAE J1939

Exclusive protocols:
- Toyota,
- Nissan,
- Mazda,
- Honda,
- Mitsubishi,
- Subaru,
- Suzuki,
- Daihatsu,
- HD Mitsubishi,
- HD Isuzu

5.2 Auto-debugging for remote assistance.

6. Disclaimer

This user manual only applies to NT-160B device and This product strictly follows the standard of EMC and it shall not cause any harm or affects on vehicles, if there is an exception, please remove the device immediately.

The device has a built-in wireless communication module. It should be used as far as possible away from fuel depots, chemical plants and other areas could cause an explosion. Most sensitive to external RF sites (such as gas stations, hospitals and school, etc.) may be equipped with radio frequency jamming equipment; some functions may be affected in the interference area.

To make sure the products works well, please use the original accessories.

This manual is based on the "as-is" situation. Noiz will not guarantee the accuracy, reliability and content of the manual and reserves the right to amend or withdrawn this manual without any prior notification.

7. Warranty

This warranty applies to NT-160B sold by Noiz and delivered to the first user within 1 (one) year or 365 days of the invoice or receipt date issued by Noiz.

In case of commodity quality defects during this period, pls bring the product and below warranty cards to the dealer to get free repairing or replacement.

Damage due to any disassembling or repairing unauthorized by Noiz are not covered by this Warranty Policy.

For more information, please dial our service hotline: +86(755)36302021 or +86(755)36302022.

User name: _____

Contact number: _____

Address: _____

Post code: _____

Purchasing date: _____

Serial number: _____

Remark: _____

Please keep this card carefully in order to enjoy the warranty policy.

Distributor (Company Stamp):