#### Please note

- 1. The warranty does not cover mechanical or electric damages resulting from drowning
- The warranty does not cover the 2. device that has been tempered with by the Warranty beneficiary or any other person in any way, including reconfiguration, repair, willful constructional variations, modifications and adjustments
- Do not either attach or detach the 3. device while engine is on
- Beware of chemical products 4.
- Proper service temperature is 5. between -20~+70℃
- Do not apply any physical impact to 6. the device and cable
- Please apply rated voltage 7.
- Please park the vehicle in a safe 8. place for installation
- 9. Please beware of surrounding while attaching/detaching a device for your safety
- 10. Please keep check the device attached regularly for service continuity
- 11. The device's standby power may affect your vehicle battery condition

# Specification

Processor	32-bit ARM Cortex-M4				
Memory	nternal Memory 8MB				
Status	3-LEDs (ECU,GPS,NETWORK) ISO 9141-2, ISO 14230-4(KWP-2000), ISO 15765-4(CAN), SAE J1850(PWM/VPWM)				
Protocol					
Support	SAE J1979 Mode \$01~\$0A				
Interface	SAE J1962 Standard OBD-II 16 PIN Connector				
Network	LTE Cat.1 B25, B26 (Roaming B2, B4, B5, B12				
SIM Type	Gemalto eSIM (MFF2 Type)				
GPS	U-Blox, ZOE-M8Q				
Sensor	BMI160, 6-axis Accelerometer + Gyroscope				
Voltage	DC 12V ~ 24V				
Consumption	Max Power:≤4000mW, Sleep:≤50mW				
Dimensions	46mm(W) x 25mm(D) x65mm(H)				
Weight	46g				
Operating Temp	-20 ~ +70 °C				

-40 ~ +80 °C Storage Temp

## **LED Status**

The lowest order of priority is indicated for multiple status

No.		UI				
	Status	Red (ECU)	Yellow (GPS)	Blue (Network)	Buzzer	No
1	Device booting	Blink (0.5s)	Blink (0.5s)	Blink (0.5s)		1
2	ECU Communication	ON			Beep (0.5s x 1)	3
3	GPS Connection		ON			3
4	Network connection			ON		3
5	Data transmitting			Blink (0.5s)		4
6	Hibernate	OFF	OFF	OFF		1
7	Setting error	Blink (1s)			Beep (0.1s x 4)	2
8	Dangerous driving ·				Beep (0.5s x 2) (0.1s x 1)	5

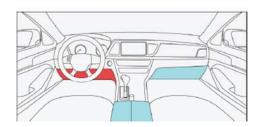
# Components



## Installation

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- Please turn off the engine before installation 1.
- 2. Locate OBD port. (Usually located on the left of the steering wheel and underneath your dashboard)
- 3. If you are having a difficulty covering fuse box after installation, please detach OBD port and push toward the fuse box ...
- 4. If installation is complete LED light will be turned on.
- 5. Start your engine after fixing the device

#### Warranty

#### 1. Device Info 1) Model :JTLC-2000 2) FCC Certification :

# 2. Warranty Period

1 year after purchase

#### 3. Coverage

1) Immediately and effectively notify Guarantor about determined device's defects and cease any using of it.

2) The Warranty does not cover. Damages due to the user's fault or lack of knowledge

#### 4. Return and change

 Returns are only accepted within a week. It must also be in the original packaging.
For the change of mind return, shipping fee will be charged

#### 5. Miscellaneous

 For those who cannot confirm purchase date, warranty start date will be correspondent to activation date.

2) Repair fee will be charged for the following cases

- Damage due to the user's fault or lack of knowledge
- The device that has been tempered with reconfiguration, repair, willful constructional variations, modifications and adjustments
- Damages caused by acts of God, floods, fires, lighting or other natural disasters, wars, unexpected events, inappropriate voltage, defective supply materials or other external factors;
- Defects resulting from the usage of improper or non-genuine supply materials;

6. Contact

82-1599-8439

#### Warning Statement

#### FCC Part 15.19 Statements:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful

interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

#### FCC Part 15.105 statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reason able protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio freque ncy energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communicatio ns. However, there is no guarantee that inte rference will not occur in a particular instal lation. If this equipment does cause harmful interference to radio or television reception, which can be determi ned by turning the equipment off and on, the user is encourag ed to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.Increase the separation between the
- equipment and receiver. - Connect the equipment into an outlet on a
- circuit different from that to which the receiver is connected. - Consult the dealer or an experienced
- radio/TV technician for help.

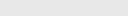
# FCC Part 15.21 statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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#### RF Exposure statement

This equipment should be installed and operated with minimum 20cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC. JastecM Co.,Ltd. 1599-8439



www.jastecm.com



von-U41 [von Series]



Please read this manual carefully before use. We won't take any responsibility for any consequences caused by the user's negligence by not following the instruction.