

Warranty

1. Device Info

- 1) Model :JLM1-2000
- 2) FCC Certification : 2ASMR-JLM1-2000

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

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

5. Miscellaneous

- 1) 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 reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged 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.

RF Exposure Statement

This equipment should be installed and operated with minimum 20 cm 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

von-S51 [von Series]

Instruction

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.

Please note

1. The warranty does not cover mechanical or electric damages resulting from drowning
2. The warranty does not cover the 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
3. Do not either attach or detach the device while engine is on
4. Beware of chemical products
5. Proper service temperature is between -20~+70°C
6. Do not apply any physical impact to the device and cable
7. Please apply rated voltage
8. Please park the vehicle in a safe 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	32Bit ARM Cortex-M4(1024KB Flash, 192KB SRAM)
Memory	Internal Memory 8MB
Status	3-LEDs Indicator (ECU,NETWORK,GPS)
Protocol	ISO 9141-2,ISO 14230-4(KWP-2000), ISO 15765-4(CAN)
Interface	SAE J1962 Standard OBD-II 16PIN Connector
Support	SAE J1979 Mode \$01~\$0A
Network	LTE Cat.M1 B2,B4,B5,B12,B13,B25 (B2 – Tx: 1850~1910MHz,Rx: 1930~1990MHz) (B4 – Tx: 1710~1755MHz,Rx: 2110~2155MHz) (B5 – Tx: 824~849MHz,Rx: 869~894MHz) (B12 – Tx: 699~716MHz,Rx: 729~746MHz) (B13 – Tx: 777~787MHz,Rx: 746~756MHz) (B25 – Tx: 1850~1915MHz, Rx: 1930~1995MHz)
SIM Type	Embedded SIM (MFF2 Type)
GPS	Modem Built-in GPS, GPS, GLONASS (GPS: 1575.42MHz) (GLONASS: 1597.5~1605.8MHz)
Sensor	BMX160, 9-axis Accelerometer + Gyroscope+ Magnetometer
Voltage	DC 12V ~ 24V
Consumption	Max Power : ≤4000mW, Sleep : ≤60mW
Dimensions	46mm(W) x 25mm(D) x 65mm(H)
Weight	44g
Operating Temp	-20 ~ +70°C
Storage Temp	-40 ~ +80°C

LED Status

The lowest order of priority is indicated for multiple status

Function	Status	UI			
		RED (ECU)	Y.GREEN (Network)	BLUE (GPS)	Beep
Boot Sequence	Device Booting	ON	ON	ON	X
	Device Booting Complete	OFF	OFF	OFF	X
OBD	Engine OFF (RPM Under 300)	Blink (0.5s)			X
	Engine ON (RPM over 300)	ON			X
	OBD Connection Error (Pci Setting Error or ECU Not Response)	Blink (1s)			X
	Key-Fob or Periodic wake-up	Blink (1s)			
GPS	GPS Connection			ON	X
	GPS not Connection			OFF	X
Network	Network Connection		ON		X
	Network not Connection		OFF		X
	Data Transmitting (LTE)		Blink (0.1s)		X
	eSIM Error	Blink (0.5s)	Blink (0.5s)		Beep (0.1sX1)
Dangerous Driving	Sudden Acceleration/Deceleration				Beep (0.5sX2)
	Impact				Beep (0.5sX1)
Hirbermate		OFF	OFF	OFF	X

Components



[Device]



[Manual]



[Extension Cable]

(Available separately)

Installation



1. Please turn off the engine before installation
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