SUMMARY

TMD MK5 FPT INSTALLATION MANUAL

1 Revision of the Manual

This document includes the assembly instructions for the product: TMD MK5 .

Document Review Number: 02

Date of Issue: 31/05/2021

INTRODUCTION

Dear Customer,

We would like to thank you for choosing a TEXA product for your workshop.

We are certain that you will get the greatest satisfaction from it and receive a great deal of help in your work.

Please read through the instructions in this manual carefully and keep it for future reference.

Reading and understanding the following manual will help you to avoid damage or personal injury caused by improper use of the product to which it refers.

TEXA S.p.A reserves the right to make any changes deemed necessary to improve the manual for any technical or marketing requirement; the company may do so at any time without prior notice.

This product is intended for use by technicians specialized in the automotive field only. Reading and understanding the information in this manual cannot replace adequate specialized training in this field.

The sole purpose of the manual is to illustrate the operation of the product sold. It is not intended to offer technical training of any kind and technicians will therefore carry out any interventions under their own responsibility and will be accountable for any damage or personal injury caused by negligence, carelessness, or inexperience, regardless of the fact that a TEXA S.p.A. tool has been used based on the information within this manual.

Any additions to this manual, useful in describing the new versions of the program and new functions associated to it, may be sent to you through our TEXA technical bulletin service.

This manual should be considered an integral part of the product to which it refers. In the case it is resold the original buyer is therefore required to forward the manual to the new owner.

The original manual was written in Italian, every other language is a translation of the original manual.

2 LEGEND OF THE SYMBOLS USED

	Toxic material hazard		Risk of crushing hands
	Explosive material hazard		Floor level obstacle warning
	Electric shock hazard		Laser beam hazard
	Electromagnetic field hazard		Low temperature danger - freezing
	Flammable material hazard		General Risk
	Hot surface hazard		Obligation to read the instructions
	Corrosive substance hazard		Safety glasses required
	Risk of noise level above 80 dbA		Protective gloves required
	Moving Parts Risk		Disconnect mains plug from electrical outlet

DANGER	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, will result in serious permanent injury or death.
WARNING	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, may result in serious permanent injury or death.
CAUTION	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, may result in minor injury.
NOTICE	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, may result in material damage.
INFORMATION	This is not a safety symbol. It indicates important information.

3 SPECIFIC SAFETY RULES FOR INSTALLING TMD MK5 FPT

The technology used for the design and manufacturing control of the **TMD MK5 FPT** makes it a reliable, simple and safe device to install and use.

The personnel in charge of installing the remote diagnostic tools are required to follow the general safety rules, to use **TMD MK5 FPT** devices for their intended use only and to carry out the maintenance as described in this manual.

All the requirements based on the following must be assessed and applied:

- *Labour inspectorate.*
- *Trade associations.*
- *Vehicle manufacturers.*
- *Anti-pollution regulations.*

3.1 Glossary

Operator: a qualified person responsible for installing the remote diagnostic device.

Device: any **TMD MK5 FPT** device.

Wiring: specific electric cables needed to connect **TMD MK5 FPT** to its accessories, to the power supply, to the antenna.

INFORMATION

The definition of "operator" cannot be applied to minors or to people with reduced physical, sensory or mental capabilities or without any experience or knowledge required.

3.2 *General Rules*

The operator must have carefully read all the information and instructions in the technical documents provided with the tool.

If the operator is not able to read this manual, the operating instructions and safety indications must be read and discussed in the operator's native language.

- *The operator that works on vehicles must have basic qualifications and knowledge of mechanics, automotive engineering, car repair and of the potential dangers that may arise during self-diagnosis operations.*
- *The operator must be completely clear-headed and sober when installing and using the device; taking drugs or alcohol before or when installing and operating the device is strictly forbidden.*
- *The operator must follow all the instructions provided in the technical documents.*
- *The operator is required to wear adequate personal protective equipment (PPE) throughout the installation of the device.*
- *The operator must periodically check the electrical connections of the device, making sure they are in good condition and immediately replacing any damaged cables.*
- *The operator must periodically check the parts that are subject to wear and replace them if necessary, using only original spare parts or spare parts approved by the manufacturer.*
- *The operator must stop using the device immediately should any failure occur, and promptly contact the technical assistance.*
- *Do not remove or damage the labels and the warnings on the device; do not in any case make them illegible.*

3.3 Operator Safety

WARNING

Carefully evaluate the device's installation position.

An improper installation may cause severe damage and injuries.

Safety Measures:

- *Make sure the installation does not compromise the correct functioning of the vehicle's controls, in particular the brakes and, in general, the safety devices.*

CAUTION

The device was manufactured to be electrically safe and insulated and to work with specific supply voltage levels.

Improper use may expose the operator to the risk of electric shock, even though of low intensity.

Safety Measures:

- *Wear adequate personal protective equipment during all the operating phases.*
- *Do not handle or touch the device or any accessories (e.g. cables) with wet hands.*
- *If liquid should penetrate inside the device, immediately disconnect the power supply wiring and contact technical assistance.*
- *Make sure the electric power supply devices (auxiliary batteries) are disconnected and that they remain so during the entire installation before proceeding with the installation itself.*
- *Do not wear metal rings or bracelets when working on batteries.*

WARNING

The device was manufactured to be electrically safe and mechanically resistant.

However, it is necessary to reduce the risk of damages to the device that may cause burns.

Safety Measures:

- *Avoid sparks or flames near the installation.*
- *Do not use the device if the antenna is damaged.*
- *Do not touch the damaged antenna with bare hands.*
- *Do not short-circuit the battery terminals.*

3.4 Device Safety

NOTICE

The device was manufactured to be mechanically resistant.

Careless use and excessive mechanical strain may impair its efficiency.

Safety Measures:

- *Do not drop, shake or knock the device.*
- *Do not place objects over the cables nor bend them.*
- *Do not carry out any type of intervention that may damage the device.*
- *Do not open or disassemble the device.*
- *Do not fold the device's antenna.*
- *Use the device only with the antenna it is provided with or with one authorised by the device's manufacturer.*
- *Make sure the device and any accessory connected to it are firmly secured before moving the vehicle they are installed on.*

NOTICE

The device was manufactured to be electrically safe and to work with specific supply voltage levels.

Failure to comply with the specifications related to the power supply may impair its efficiency.

Safety Measures:

- *Do not wet the device with water or other liquids.*
- *The device's power supply must always be connected following the indications provided in this manual.*
- *Do not use external batteries to power the device.*
- *Wear the most suitable personal protective equipment to avoid static electricity.*

NOTICE

The device was designed to be used in specific environmental conditions.

Installing and using the device in environments with temperatures and humidity that differ from those indicated may impair its efficiency.

Safety Measures:

- *Position the device as indicated in this manual.*
- *Do not expose or install the device near sources of heat.*
- *Position the device in order to guarantee its proper ventilation.*
- *Do not use corrosive chemicals, solvents or harsh detergents to clean the device.*

NOTICE

The electromagnetic compatibility tests carried out on the device guarantee that it can be adapted to the technologies normally used on vehicles (e.g. engine control, ABS, airbag, etc.). Nevertheless, if malfunctions occur, contact the vehicle's dealer.

In particular, the device's proper operation could be compromised by covering the antenna with shielding objects and/or materials.

Such materials force the device to work with a higher power compared to what is normally required.

Safety Measures:

- *Do not cover the antenna with shielding objects or materials.*

3.5 Safety during the Installation

NOTICE

The installation of the device was carefully tested by qualified personnel in TEXA.

You must follow some indications provided by the vehicle manufacturer in order to install the device correctly.

Safety Measures:

- *Follow the indications provided in the vehicle's manual carefully to disassemble the plastic parts and the access to the compartments.*
- *Respect the safety distances from the systems with the following functions:*
  - *airbag;*
  - *ABS;*
  - *speed limiter;*
  - *seat belt pretensioners.*

NOTICE

The installation of the device requires a connection to the vehicle's electrical system.

Perform the connection to the vehicle's electrical system making sure not to compromise the safety and its correct functioning.

Safety Measures:

- *Insulate each of the device's connections to the vehicle's electrical system.*
- *Equip the openings crossed by cables with fairleads.*
- *Do not compromise in any way the quality of the electrical and mechanical OEM wiring.*
- *Make sure the electric cables, the wiring in general, the fuel hydraulic pipes and the safety pneumatic devices of the vehicle are not damaged during the installation.*
- *Do not change the current flow of an OEM circuit by cutting it off, increasing it or mechanically changing it cables if not permitted by the vehicle manufacturer.*
- *Make sure the installation does not compromise the correct functioning of the vehicle's controls, in particular the brakes and, in general, the safety devices.*
- *Do not connect to the electric circuits of systems with the following functions:*
  - *airbag;*
  - *ABS;*
  - *speed limiter;*
  - *seat belt pretensioners.*

NOTICE

The device must be installed so as to ensure it can work correctly and safely.

Safety measures:

- *Avoid contact between the device and vibrating parts of the vehicle;*

- *Do not spread out the wiring with the cables stretched.*
- *Do not spread out the wiring in walkable areas or in areas that are subject to friction without the necessary protections;*
- *For the installation you must use only the wiring and the components provided with the device.*
- *Put the antenna at a minimum distance of 20 cm from the positions of the vehicle's passengers.*

NOTICE *At the end of the installation, you must restore the initial conditions of the vehicle.*

Safety Measures:

- *Restore each OEM device (ex.: compartment covers).*
- *Restore each OEM electrical connection.*
- *Replace the fastening elements that are damaged.*
- *Restore any OEM anti-corrosion system.*

4 OPERATION OF THE RADIO DEVICES

Wireless connection with Bluetooth and LTE technology

The wireless connectivity with the Bluetooth and LTE technology is a technology that supplies a standard, reliable method to exchange information between different devices, using radio waves. Other than TEXA tools, many products use this technology, such as mobile phones, portable devices, Computers, printers, cameras, Pocket PCs, etc.

The Bluetooth and LTE interfaces look for compatible electronic devices according to the radio signal they emit and establish a connection between them. TEXA tools select and only prompt you with compatible TEXA devices. This does not exclude the presence of other sources of communication or disturbance.

THE EFFICIENCY AND THE QUALITY OF THE BLUETOOTH AND LTE COMMUNICATION MAY BE INFLUENCED BY THE PRESENCE OF RADIO DISTURBANCE SOURCES. THE COMMUNICATION PROTOCOL HAS BEEN DEVELOPED TO MANAGE THESE TYPES OF ERRORS; HOWEVER, IN THESE CASES COMMUNICATION MAY BECOME DIFFICULT AND CONNECTION MAY REQUIRE SEVERAL ATTEMPTS.

SHOULD THE WIRELESS CONNECTION ENCOUNTER SERIOUS PROBLEMS THAT MAY COMPROMISE A REGULAR COMMUNICATION, THE SOURCE OF THE ENVIRONMENTAL ELECTROMAGNETIC INTERFERENCE MUST BE IDENTIFIED AND ITS INTENSITY REDUCED.

Position the tool so that the radio devices it is equipped with can work properly. In particular, do not cover it with any shielding or metallic materials in general.

5 NORMATIVE INFORMATION

Simplified EU Declaration of Conformity

CE	The manufacturer, TEXA S.p.A., declares that the type of **TMD MK5 FPT** radio equipment is compliant with the following directives: • *RED 2014/53/UE* The complete text of the EU declaration of conformity is available at the following Internet address **http://www.texa.it/download**.

A minimum separation distance of 20 cm is required; it must be supported by the installation and operating configurations of the transmitter and of the related antenna/s.

Use restrictions and warnings (FCC / ISED)

Modification statement
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Les changements ou modifications non expressément approuvés par la partie responsable de la conformité peuvent annuler le droit de l'utilisateur à utiliser l'équipement.

Labeling information
Device model TMD MK5:
FCC ID: T8R-TMDFPT
IC: 23618-TMDFP
Contains FCC ID: XMR201707BG96
Contains IC: 10224A-201709BG96

FCC compliance
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.
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.

Cet appareil est conforme à la partie 15 des règlements de la FCC. L'utilisation est soumise aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Remarque: Cet équipement a été testé et déclaré conforme aux limites d'un appareil numérique de classe B, conformément à la partie 15 des règlements de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Ce produit génère, utilise et peut émettre des ondes radio qui peuvent causer des interférences nuisibles s'il n'est pas installé et utilisé conformément aux instructions. Si néanmoins ce produit cause des interférences nuisibles à la réception de la radio ou de la télévision, ce qui peut être déterminé en éteignant et en rallumant l'appareil, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:
- *Réorienter ou déplacer l'antenne de réception*
- *Augmenter la distance entre le produit et le récepteur*
- *Brancher l'appareil sur une prise de courant différente de celle à laquelle le récepteur est raccordé*
- *Consulter le revendeur ou un technicien radio/TV expérimenté pour obtenir de l'aide.*

Responsible party's contact located in Canada:

Company Name: Canadian Certification Consulting, Inc.
ISED Company No: 10842A
Contact Name: Jon Hughes, President
Street Address: 2210 Horizon Drive, Suite 17
City/Province/Zip: West Kelowna - BC V1Z 3L4 - Canada
Phone No: 1-250-575-1719
Email: info@can-cert.com

ISED compliance

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.
This radio transmitter has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

L'emetteur/recepteur exempt de licence contenu dans le present appareil est conforme aux CNR d'Innovation, Sciences et Developpement economique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.
Le présent émetteur radio a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

ICES-003 Class B Notice -Avis NMB-003 Classe B:
This Class B digital device complies with Canadian ICES-003

Cet appareil numerique classe B est conforme à la norme Canadien NMB-003.
CAN ICES-3(B) / NMB-3(B)

RF Radiation Exposure statement

This product complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body.
This device complies with Health Canada's Safety Code. The installer of this device should ensure that RF radiation is not emitted in excess of the Health Canada's requirement.

Cet appareil est conforme aux limites d'exposition aux rayonnements de l'ISED pour un environnement non contrôlé. L'antenne doit être installé de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps.
Cet appareil est conforme avec Santé Canada Code de sécurité 6. Le programme d'installation de cet appareil doit s'assurer que les rayonnements RF n'est pas émis au-delà de l'exigence de Santé Canada.

Antennas List

This product has been certified with the following antennas:

Ce produit a été certifié avec les antennes suivantes:

- Pulse CW3043 SMD ceramic chip Antenna, with a peak gain 4 dBi in frequency range 2400 ÷ 2483.5 MHz
- Molex SMD part number 1462000011 antenna is used to cover all LTE frequencies, with peak gain of 0.5 dBi in frequency range 698 ÷ 960 MHz and 3.7 dBi in frequency range 1710 ÷ 2700 MHz

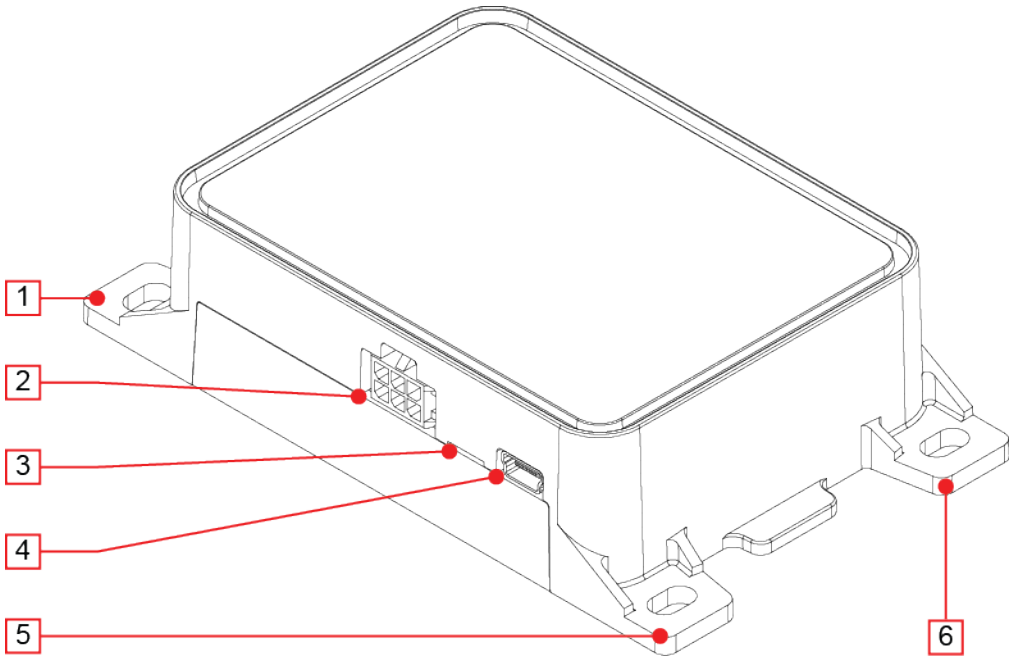
6 TMD MK5 FPT

TMD MK5 FPT is a GPS tracking device able to communicate via Bluetooth with other diagnostic devices.

The **TMD MK5 FPT** Kit includes:

- *TMD MK5 FPT.*
- *Wiring for the electrical connection.*
- *Installation manual.*

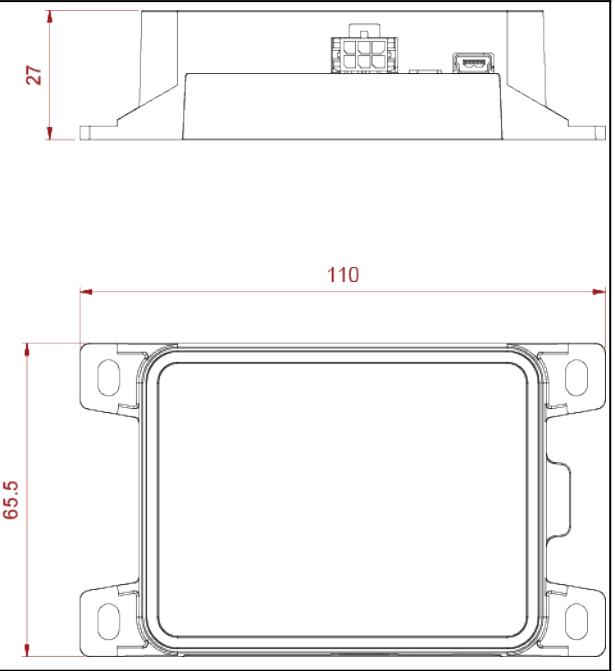
7 DESCRIPTION



1. **Fixing hole**
2. **L1 - Accessory and power connector**
3. **LED:**
   a) **red LED**
   b) **Blue LED**
   c) **green LED**
4. **USB device connector**
5. **Fixing hole**
6. **Fixing hole**

To install additional devices, consult the user and installation manual provided in the packages of the individual devices.

8 TECHNICAL FEATURES

Manufacturer:	TEXA S.p.A.
Brand:	FPT
Model:	TMD MK5 FPT
CPU:	AM3352 CORTEX A8
RAM:	256 MB
FLASH:	256 MB
GPRS module:	GPRS 2G and CAT-M1
GPS module:	GPS, GLONASS, Galileo and QZSS module
Interfaces:	service device type USB 2.0, BT 4.2, LIN bus
Sensors:	16 g sensor, barometric, gyroscope
Operating System:	Linux
Battery:	3.7 V - 850 mAh
Power:	direct from 12-24 V vehicle battery 400mA @12Vdc
Operating temperature:	- 30 ÷ 60 °C - 30 ÷ 65 °C without internal battery
Storage temperature:	- 30 ÷ 70 °C
Battery recharging temperature:	0 ÷ 45 °C
Operation moisture:	10 ÷ 80 %
Dimensions:	
Weight:	100 g
Dust/liquid protection:	IP 40

Regulations and Directives:	ECE / ONU R10 RED 2014/53/EU RoHS 2011/65/EU
Electromagnetic Compatibility:	ETSI EN 301-489-1 ETSI EN 301-489-19 ETSI EN 301-489-52 ETSI EN 301-489-17 ISO 7637-1 ISO 7637-2
Radio Systems:	ETSI EN 300 328 ETSI EN 301 511 ETSI EN 303 413 ETSI EN 301 908-13 EN 62311
Electrical Safety:	EN 62368

9 INSTALLATION

The following chapters describe the device's installation phases.

Please read this manual thoroughly before proceeding with the installation.

⚠ CAUTION

The installation must be performed by qualified personnel only.

The installation must be carried out following the indications provided in the specific installation sheet for the vehicle you are working on.

For the installation you need:

- *Scissors and a wire stripper.*
- *Flat-tip and Phillips screwdriver (medium).*
- *A 12mm hole saw for the hole, if required, to pass the wiring cable pass from the engine compartment to the passenger compartment.*
- *5mm drill bit for the assembly screws.*
- *Plastic cable ties.*
- *Pliers for cable terminals.*
- *Square tip pliers.*
- *PC connected to Internet in order to program the device.*

The installation requires the following phases:

1. *Reading of the installation and user manual.*
2. *Planning and positioning of the device.*
3. *Power supply connections.*
4. *Connection of the wiring to the device.*
5. *Configuration.*

9.1 *Suggestions for a Correct Installation*

When choosing the most suitable place to locate the device, you must consider the distance between**TMD MK5 FPT** and any external diagnostic device.

Consider that the coverage range of the devices equipped with Bluetooth technology inside the vehicle's passenger compartment is approximately 3 metres.

TMD MK5 FPT must be placed in a position that allows an easy connection of the diagnostic wiring yet maintaining an appropriate distance that does not expose the device to the direct heat from the engine.

Consider that the diagnostic wiring (cod. 3903733) is approximately 3 metres long.

9.2 Positioning TMD MK5 FPT

Once you have located the connection points to the power supply lines, you must find the most suitable place to fasten the device.

When positioning the device, you must respect the following general rules:

- *It must be far from sources of heat*
- *It must be in a dry place and away from moisture and water*
- *It must be close enough to enable the connection to diagnostic devices*
- *It must be in a place where the internal antennas are not shielded*
- *The device must maintain the direction selected when the vehicle is in motion*
- *The device must be secured to a rigid support to prevent it from being subject to excessive vibrations.*

NOTICE

The device must be placed in a position in which it is not covered by metallic sides or by other materials that may screen the radio waves.

Do not fasten the device near antennas or other radio devices (ex.: CBs, radars, mobile phones, etc.).

The device can be installed in any direction inside the vehicle; however, position it with the upper part facing upwards and sky-facing, where possible.

In order to use the inertial sensors, the device automatically calculates its positioning inside the vehicle.

The automatic calculation takes place during the first trip after the installation.

The trip must last between 2 and 5 minutes based on the type of route.

If the length of the trip or the features of the route (for example the vehicle stops too often) are not sufficient in order to complete the operation, it will be repeated during the following trip.

The data of the inertial sensors will not be used by the device until the operation described above has been completed, in particular the identification of a possible accident will not be active.

Once this phase is completed, all the functions configured that require the use of the inertial sensors will be enabled automatically.

9.3 Power Supply Connections

To power **TMD MK5 FPT** use the specific cable provided (code 3903929) with the device.

NOTICE

Do not connect the connector to TMD MK5 FPT until the entire system is completed.

Use the cable with the loose wires.

Proceed as follows:

1. *Identify the red wire (+30 VBatt.), the yellow wire (15, ignition terminal) and the black wire (ground).*
2. *Draw power for the +30 VBatt line directly from the vehicle's battery.*

NOTICE

It is MANDATORY to connect the yellow wire (+15 V key-on) only in case of accessories such as the driver recognition device.

Make sure the +30 V and ground power supplies are correct in order to avoid the arising of false alarms from the **TMD MK5 FPT** *control unit (discharged battery alarm, power disconnection alarm).*

9.4 Checking the Installation

Once you have completed all the operations described in the previous chapters, you must make sure the installation has been carried out correctly.

Proceed as follows:

1. *Connect the* **TMD MK5 FPT** *power supply connector and turn the vehicle ignition key to the "***ON***" position.*
2. *Wait for the red LED on the* **TMD MK5 FPT** *to start flashing.*

If the LED does not turn on, proceed as follows:

1. *Disconnect the power cable from* **TMD MK5 FPT***.*
2. *Wait 5 seconds.*
3. *Reconnect the power cable.*

10 BLINK CODES

The device uses the flashing of the LEDs to indicate its status.

The status LEDs are: green, red and blue and can flash with different frequencies.

10.1 LED flashes with the Instrument panel On

During normal operating conditions, when the device must connecting to the server to send the data, the notifications are given through a continuous cycle of 3 flashes.

Each series of flashings is approximately 2 s after the previous one.

The three flashings indicate respectively the status of:

1. *The reception of the position signal from the GPS satellites.*
2. *The connection to the GPRS network.*
3. *The connection to TEXA Cloud.*

The explanation regarding the correct reading of the flashes of the **red and green LEDs** is below:

Flash	Red LED	Green LED
1st	Invalid GPS position[1].	Valid GPS position.
2nd	Invalid GPRS connection[2].	Valid GPRS connection.
3rd	TEXA Cloud connection not valid.	TEXA Cloud connection valid.

NOTICE

[1] **INVALID GPS POSITION:** *This could be due to the vehicle parked in a closed area or passing through a dead zone where the flow of the data coming from the satellites is missing or affected by many interferences (ex.: military areas)*.

[2] **TEXA CLOUD CONNECTION NOT VALID:** *This could be due to a problem with the telephone or Internet service providers caused by ordinary / extraordinary maintenances on the network, by the weather conditions or by the passage in an area not covered by the GPRS signal.*

10.2 *Flashes of the Blue LED*

Below is the explanation regarding the correct reading of the flashes of the **blue LED**:

LED		**Status**
Blue	Off	No Bluetooth communication.
	On	--
	Flashing	Device in communication via Bluetooth.

11 INDICATIONS IN CASE THE VEHICLE IS NOT USED FOR A LONG TIME

The correct functioning of **TMD MK5 FPT** as geolocaliser requires the device to be constantly powered even when the vehicle is stationary, the engine is off and the ignition key is not inserted.

In these conditions **TMD MK5 FPT** continues to absorb current from the vehicle's battery.

NOTICE

TMD MK5 FPT *was designed to optimise consumptions, however if the vehicle is not used for a long period of time, it could sensibly lower the charge level of the battery.*

Refer to the instructions provided in the user and maintenance manual if the vehicle is not used for a long time.

If the vehicle is not used for a long period of time, you may disconnect **TMD MK5 FPT** from the power supply.

INFORMATION

For more information contact the TEXA S.p.A. assistance service.

12 MAINTENANCE

In order to guarantee a correct functioning of **TMD MK5 FPT** and of the accessories connected to it, you must perform regular checks on the device.

We remind the operator to carry out the tests with the utmost care, making sure he/she is working in total safety during all of the steps (see **General Rules for the Safety of Operators** in this manual, also).

Maintenance interventions must be performed within 15 days from the installation of TMD MK5 FPT and then every 6 months.

In particular:

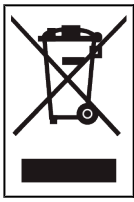
- *Carry out a visual check of all the devices installed.*
- *Make sure the device is not damaged; make sure all covers/plastic parts are properly fastened; make sure no wiring is cut and/or damaged, no connectors are disconnected and/ or loose. Furthermore make sure the antennas are properly fixed in their installation housings.*
- *Make sure the connections are not damaged, oxidised, exposed to atmospheric agents, water and humidity.*
- *Make sure all screws and bolts used to fasten* **TMD MK5 FPT** *are not damaged and are properly tightened.*

If the wiring or the connections have been exposed to atmospheric agents, water and moisture, proceed with the waterproofing.

In case of damaged cables, contact TEXA S.p.A. in order to have them replaced.

For any fault or complication, contact the TEXA S.p.A. assistance service immediately.

13 ENVIRONMENTAL INFORMATION

	Do not dispose of this product with other undifferentiated solid waste. For information regarding the disposal of this product please see the pamphlet supplied.

14 LEGAL NOTICES

TEXA S.p.A.

Via 1 Maggio, 9 - 31050 Monastier di Treviso - ITALY

Tax Code - Company Register of Treviso ID No. - VAT No.: 02413550266

Single-shareholder company subject to the direction and coordination activities of Opera Holding S.r.l.

Paid-up share capital 1,000,000 € - R.E.A. (Economic Administrative Index) No. 208102

Legal Representative Bruno Vianello

Phone +39 0422.791.311

Fax +39 0422.791.300

www.texa.com

For information regarding the legal notices, please refer to the **International Warranty Booklet** provided with the product.