

# GSMEXA2 GSMEXA15

## Remote antenna kit


 Addressee for this information:  User |  Installer


### 1 DESCRIPTION

The remote antenna kit allows moving GSM antennas to places where signal reception is stronger.

**!** *The antenna kit is intended for personal usage and its use will void certifications of related products.*

**!** *If an external antenna is struck by a lightning the cable may drive the electric discharge to the control unit: the module shall be considered as a radio device equipped with external antenna and it shall be installed properly with great care.*

### 2 COMPATIBILITY

Module	on units	with adapter
MDGSME	TACÓRA series PREGIO series Villeggio series TITANIACOMPACT	
ETRGSM	ETR series TITANIA TITANIAPLUS	
NET5GSM	NET832	
GSMESSENGER TRHCOMBI TRHGSM TRHPLUS		ADANTTRH

**Note:** ADANTTRH adapter is installed by the manufacturer and shall be required when placing the order.

### 3 PARTS SUPPLIED



- Low-loss pre-headed shielded cable bundle with FME connectors.
- GSMEXA2 includes a 2 m white cable bundle. GSMEXA15 includes a 15 m black cable bundle.
- One connector cable for the bracket (**A**).
- One bracket to be fixed to a suitable support (**B**).
- One washer (**C**).
- One antenna base (**D**).
- One antenna for Dual Band GSM devices (**E**).
- Three nylon clamps.
- One technical manual.

### Cabling

Minimum bending radius: 50 mm.

For outdoor installations it is also necessary:

- to position the cable so that the slope does not allow the water flowing indoor and inside
- to insert the cable into sealed boxes passing it from the bottom side and using cable glands with suitable inner diameter

### Antenna installation

See image on this manual cover for the final result.

Letters refer to image at chap. 3 p. 1.

- screw "L" bracket (B) short side to a stable support (use three Ø 6 mm screws, not included)

The connection cable (A) has two connectors: FME to one end and a metal block with threaded pivot to the other end

- insert the pivot into the bracket hole from the bottom with the cable towards fixing screws
- position the washer (C) onto the pivot with the largest side towards the bracket
- hold the metal block in position with pliers
- screw the base (D) to the screw, fixing it with a 17 mm wrench

- screw the antenna (E) to the base
- screw the ring nut of the 2 or 15 m cable FME connector to the free end of the connecting cable, use an adjustable spanner and a 8 mm spanner

For outdoor installations it is also necessary:

- use self-amalgamating tape to wrap up connections

### Cable connection to the module

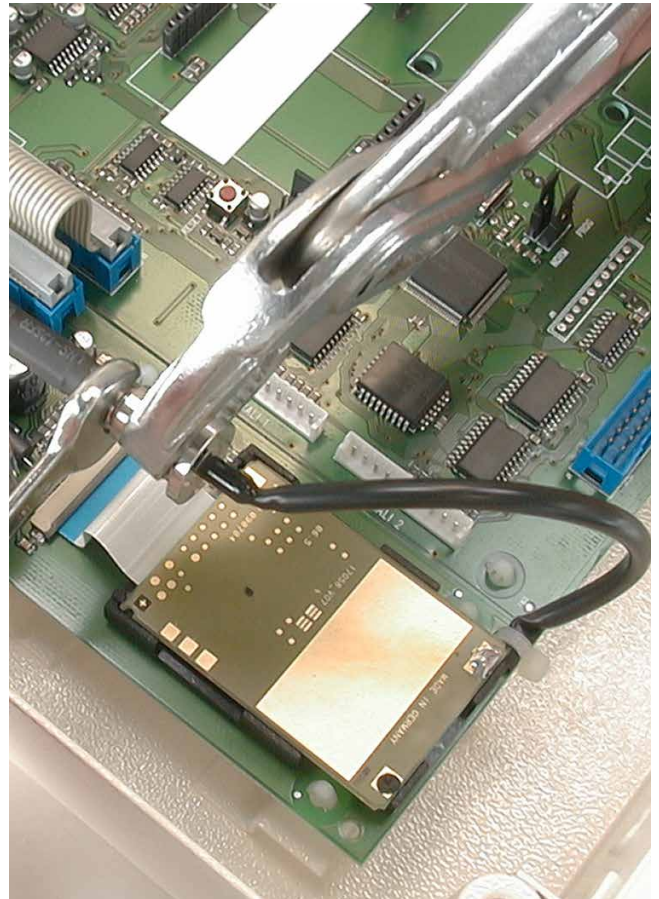
MDGSME module manual contains instructions on compatible control units.

For different control units:

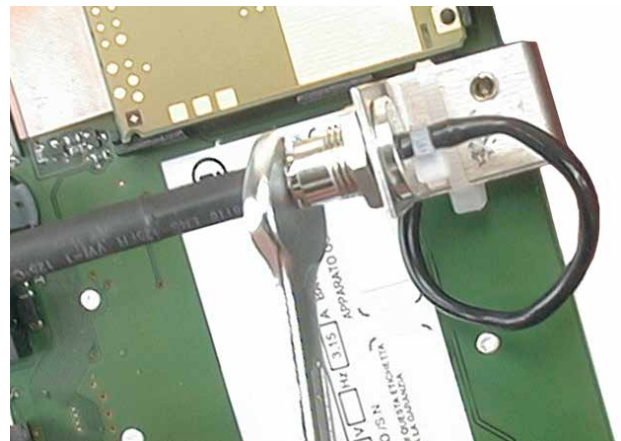
- insert the end of the 2 or 15 m cable into the housing passing it through one of the existing cable holes
- screw FME connector to the cable coming out from GSM board, use an adjustable spanner and a 8 mm spanner
- fasten the cable to the board or housing so to avoid cable bending radius below 50 mm, also when closing the housing

Examples in the following images.

Captions indicate control unit model and adapter to which pictures refer (in brackets).



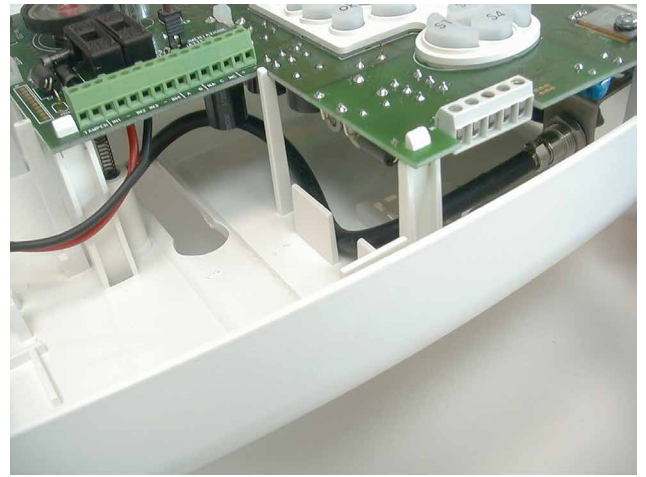
Fixing of FME connector (ETR GSM)



Fixing of FME connector (ADANTTRH)



Cable exit path (ETR)



Cable exit path (TRH)

The last images show also the redundant length of the cable that is necessary for correct positioning and removing of the board.



Cable exit path (GSMESSENGER)

## GENERAL WARNINGS



This device has been designed, built and tested with the utmost care and attention, adopting test and inspection procedures in compliance with current legislation. Full compliance of the working specifications is only achieved in the event the device is used solely for its intended purpose, namely:

### Remote GSM antenna kit

The device is not intended for any use other than the above and hence its correct functioning in such cases cannot be assured. Consequently, any use of the manual in your possession for any purpose other than those for which it was compiled - namely for the purpose of explaining the product's technical features and operating procedures - is strictly prohibited.

Production processes are closely monitored in order to prevent faults and malfunctions. However, the components adopted are subject to an extremely modest percentage of faults, which is nonetheless the case with any electronic or mechanical product.

Given the intended use of this item (protection of property and people), we invite you to adapt the level of protection offered by the system to suit the actual situation of risk (allowing for the possibility of impaired system operation due to faults or other problems), while reminding you that there are specific standards for the design and production of systems intended for this kind of application.

**We hereby advise you (the system's operator) to see that the system receives regular routine maintenance, at least in accordance with the provisions of current legislation, and also check on as regular a basis as the risk involved requires that the system in question is operating properly, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. You must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.**

Work involved in the design, installation and maintenance of systems incorporating this product should be performed only by personnel with suitable skills and knowledge required to work safely so as to prevent any accidents. It is vital that systems be installed in accordance with current legislation. The internal parts of certain equipment are connected to the mains and therefore there is a risk of electrocution when maintenance work is performed inside without first disconnecting the primary and emergency power supplies. Certain products include batteries, rechargeable or otherwise, as an emergency backup power supply. If connected incorrectly, they may cause damage to the product or property, and may endanger the operator (explosion and fire).

## INSTALLER WARNINGS



Comply strictly with current standards governing the installation of electrical systems and security systems, and with the manufacturer's directions given in the manuals supplied with the products.

Provide the user with full information on using the system installed and on its limitations, pointing out that there are different levels of security performance that will need to suit the user's requirements within the constraints of the specific applicable standards. See that the user looks through the warnings given herein.

Work involved in the design, installation and maintenance of systems incorporating this product should be performed only by personnel with suitable skills and knowledge required to work safely so as to prevent any accidents. It is vital that systems be installed in accordance with current legislation. The internal parts of certain equipment are connected to the mains and therefore there is a risk of electrocution when

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If connected incorrectly, they may cause damage to the product or property, and may endanger the operator (explosion and fire).

## USER WARNINGS



Check the system's operation thoroughly at regular intervals, making sure the equipment can be armed and disarmed properly.

Make sure the system receives proper routine maintenance, employing the services of specialist personnel who meet the requirements prescribed by current regulations.

Ask your installer to check that the system suits changing operating conditions (e.g. changes in the extent of the areas to be protected, change in access methods, etc...)

## MAIN SAFETY RULES

The use of the device is forbidden for children and unassisted disabled individuals.

Do not touch the device when bare footed, or with wet body parts. Do not directly spray or throw water on the device.

Do not pull, remove or twist the electric cables protruding from the device even if the same is disconnected from the power source.

## DISPOSAL WARNINGS



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In accordance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), please be advised that the EEE was placed on the market after 13 August 2005 and must be disposed of separately from normal household waste.