

# GSM internal antenna

970.186 | V1 | 2015.04



**BOSCH**

**en** Installation addendum



# 1 Safety Instructions

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**CAUTION!**

Read through these safety instructions carefully before installing the internal antenna in the GSM Module. They contain important information about the connection, use and safety.

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- Do not install the unit near a heating appliance.
  - Do not expose the unit to direct sunlight.
  - Do not install in a wet or humid environment.
  - Do not attempt to disassemble the unit.
  - It is recommended to maintain a minimum distance of 15 cm between a Carephone equipped with a GSM Module and a pacemaker to avoid potential interference.
  - Do not install a Carephone equipped with the GSM Module and the external antenna in the proximity of DECT/GSM telephones, TV sets, large metal objects, microwave appliances or radio telephones. This will impair the reception of signals from the wireless transmitter.
  - Use only original equipment for the internal antenna, cables and power supply.
  - Electrolytes or gases may be emitted from the GSM Module battery should it leak under exceptional circumstances. If this happens, deactivate the unit by isolating it from the phone network and power supply. Battery replacement must be carried out by trained service personnel only.
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**WARNING!**

The GSM Module and the Carephone 62/61 contain highly sensitive electronic components. The Carephone should be opened only in an **ESD** protected environment with respect to the following precautions. Discharge yourself from electrostatic loads by touching a grounded conductive surface before opening the unit.

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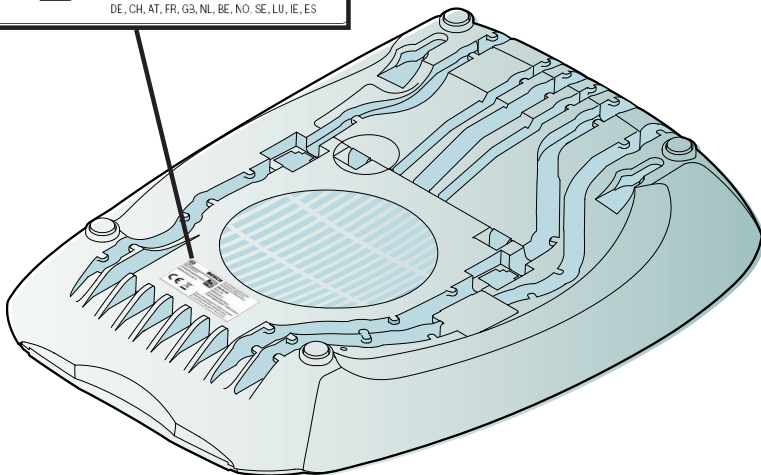
## 2 Installation

### 2.1 Check the compatibility with your Carephone

**NOTICE!**

The GSM internal antenna is only compatible with Carephones 61 & 62 with hardware version 2.00 or higher.

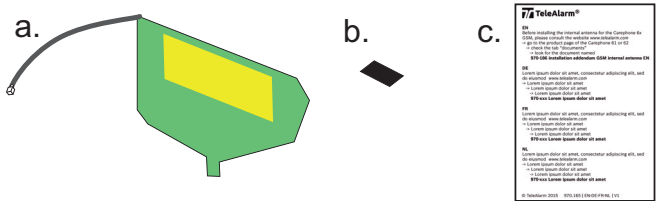
To know if your Carephone is compatible, check on the product label on the backside of your Carephone:



- ▶ If you read "HW V2.00" or higher, then your Carephone is compatible with the GSM internal antenna.
- ▶ If you do not see any marking "HW Vx.xx" in the area of the red circle, then your Carephone is not compatible with the GSM internal antenna.

2.2 Scope of delivery

► Open the bag of the internal antenna. Check that you have:



- a. the internal antenna, with its cable
- b. the 15 x 10 mm adhesive tape, to fasten the cable
- c. the leaflet indicating where to find the documentation

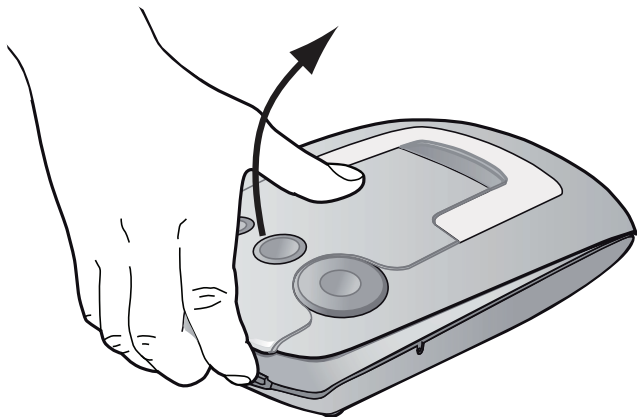
2.3 Installation procedure



CAUTION!

Before opening the cover, remove the power plug from the Carephone. *Refer to the user manual of the Carephone.*

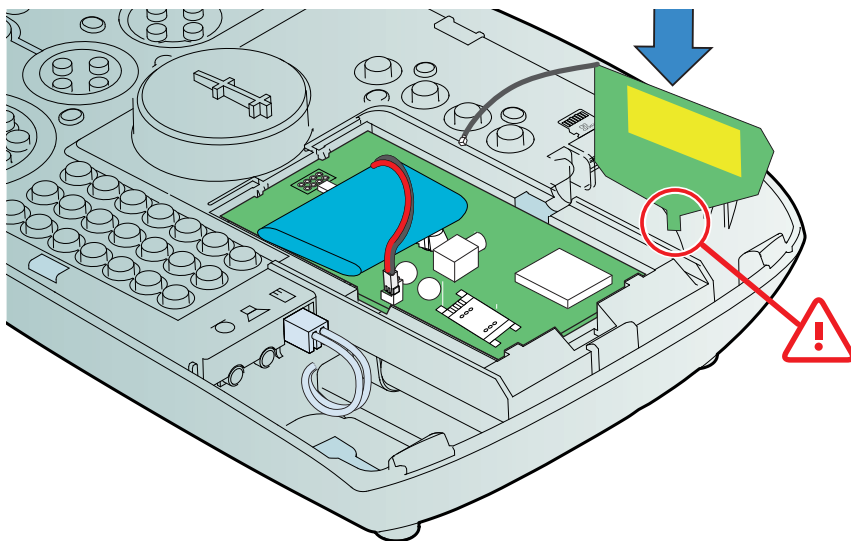
1. Open the cover of the Carephone:



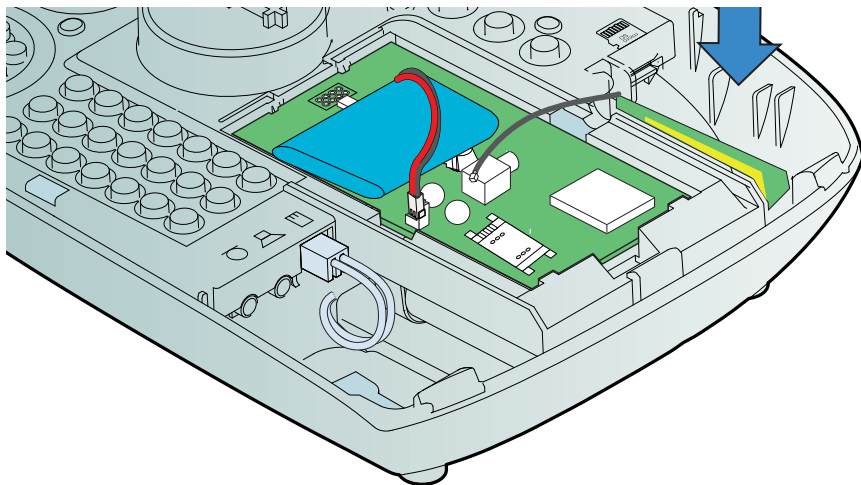
NOTICE!



If the **GSM external antenna** is previously installed on the GSM Module, disconnect and deinstall it **before** installing and connecting the internal antenna. *Refer to the installation addendum of the external antenna.*

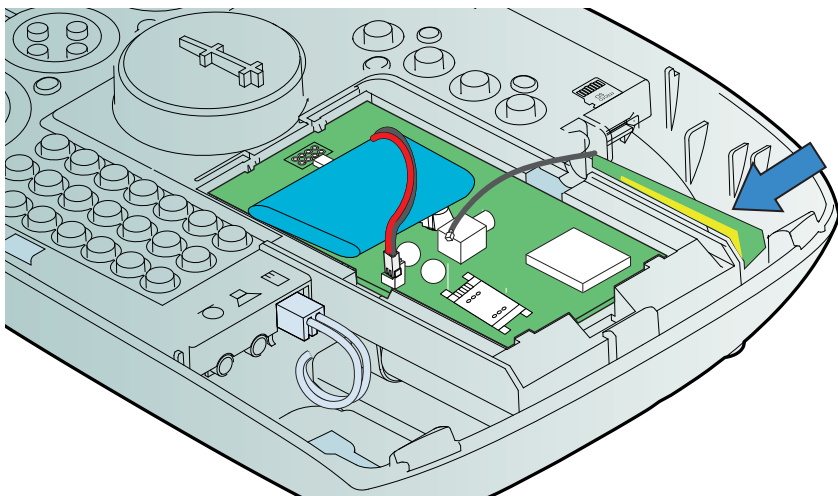


2. Present and align the internal antenna board along the side of the GSM Module location. Locate the bottom guide (red circle) and the double-sided adhesive tape (yellow frame). Remove the protective film on the adhesive tape.

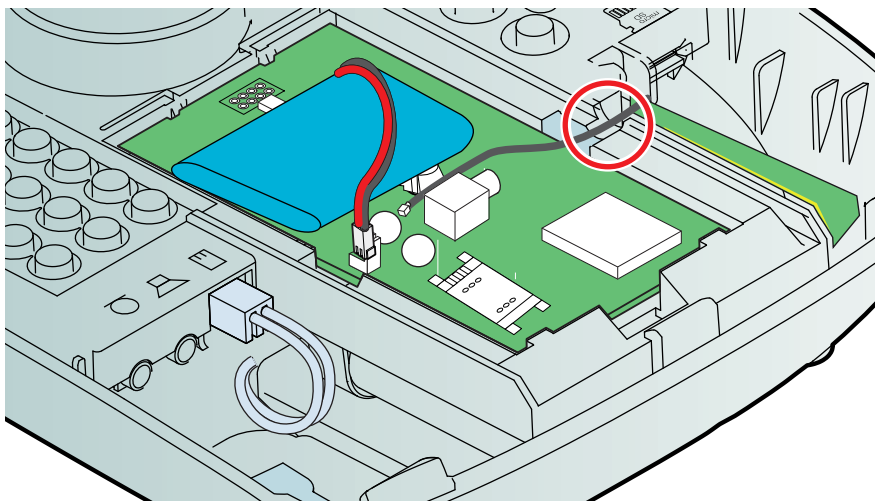


3. Insert the internal antenna carefully into the channel. Make sure that the bottom guide is inserted and that the adhesive tape is in contact with the housing. The top edge

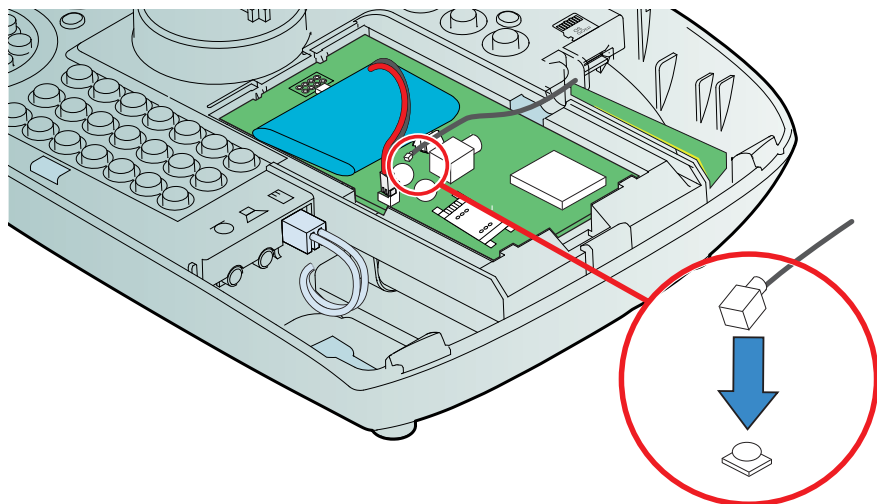
of the antenna must be at the same level as the edge of the housing.



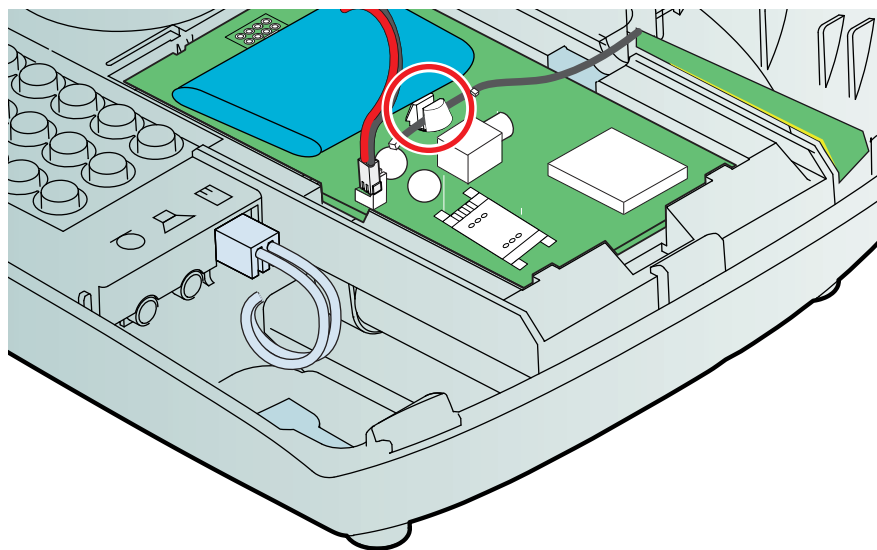
4. Press firmly on the side of the antenna to make the tape adhere to the housing.



5. Guide the antenna cable into the slot (red circle).

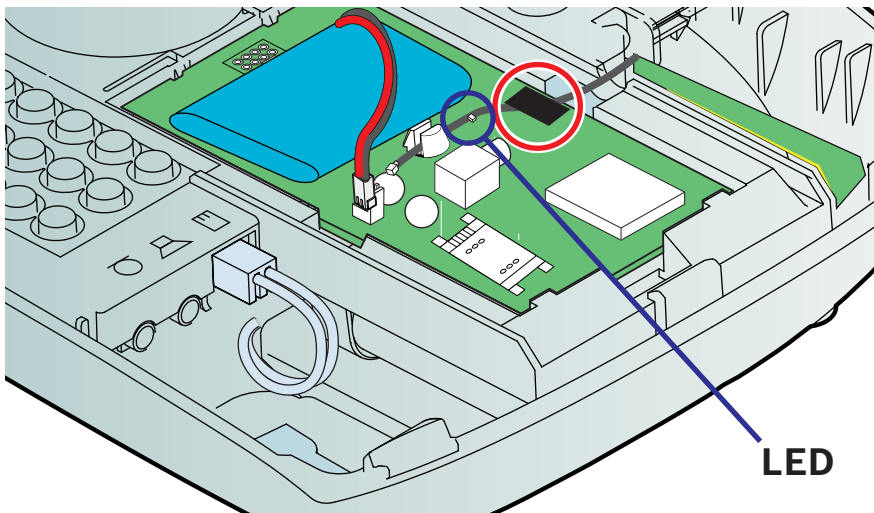


6. Connect the internal antenna carefully by plugging the small connector into the socket.



7. Use the central plastic slit (red circle) to secure the cable.





8. Stick the small adhesive tape (red circle) on the internal antenna cable. Do not cover the GSM Module LED.
9. Close the top cover and insert the power plug into the Carephone.

**CAUTION!**

Perform a GSM signal strength test. *Refer to the user manual of the Carephone.* If the GSM signal strength is not satisfactory, deinstall the internal antenna and install the external antenna.





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