

TELECO HUB

INSTALLATION GUIDE AND USER MANUAL



TELECO

Teleco Warranty

Teleco guarantees its products against faulty materials and/or workmanship. The TELECO warranty is limited to expense-free replacement or repair of all those parts TELECO deems faulty. The warranty is applied for a 2-YEAR period starting from the date of product purchase; nevertheless, it shall only be deemed valid if the customer can produce a written document stating the date of purchase (invoice or receipt).

The TELECO warranty does not cover:

- a. Damage caused by improper installation and/or use and/or maintenance
- b. Damage resulting from product modifications that have not been authorised by Teleco
- c. Damage resulting from the use of spare parts that are not Teleco originals
- d. Damage resulting from repairs carried out by personnel who have not been authorised by Teleco
- e. Normal wear of parts
- f. Spare part shipping between the customer and the service centre
- g. Damage that may occur during transport:
transport-associated risks are always considered to be the customer's responsibility

Information

Congratulations on choosing Teleco HUB, the ideal interface with which to remote-control your camper or caravan accessories via a smartphone using a simple APP. This handbook has been drawn up to provide information on the technical specifications and how to install, use and maintain your Teleco HUB:

For additional information, please contact your local dealer or:

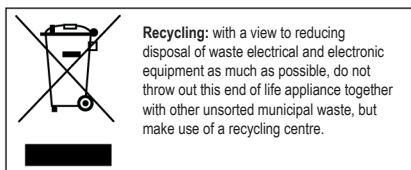
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48022 LUGO (RA), Italy

Web site: www.telecogroup.com
After-sales service: 899.899.856

TELECO s.p.a. declines all responsibility for any errors contained in this manual. All information contained herein is up to date at the time of printing and in line with the above-mentioned revisions. TELECO s.p.a. reserves the right to make any changes made necessary by the development of its products.

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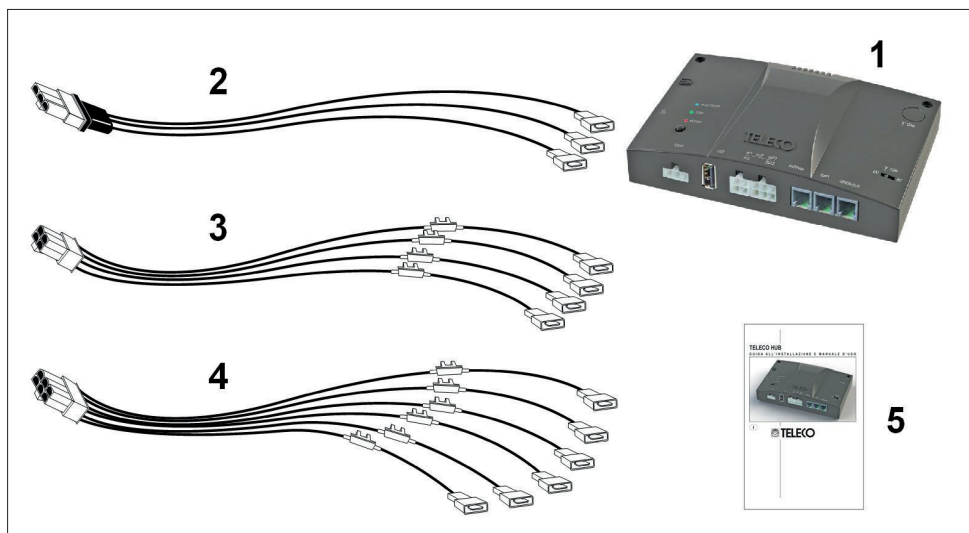
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List of supplied accessories

The Teleco HUB package contains the following accessories:

- 1 Teleco HUB control unit (hereinafter referred to as the HUB)
- 2 Power supply cable
- 3 Auxiliary inputs lead
- 4 Auxiliary outputs lead
- 5 Installation and use manual



Technical characteristics

- Power supply: 12 Volt (10-15 V DC)
- Max consumption: 300 mA
- SIM Card connector: Micro-SIM card
- Bluetooth-connectible phones: 4
- Auxiliary outputs: 2 clean 10A 250V AC / 30 V DC contacts
- Inputs: 2 digital channels (internal voltage 12 Volt)
- Dimensions: 147x97x35
- Weight: 200g

Indicators and control parts

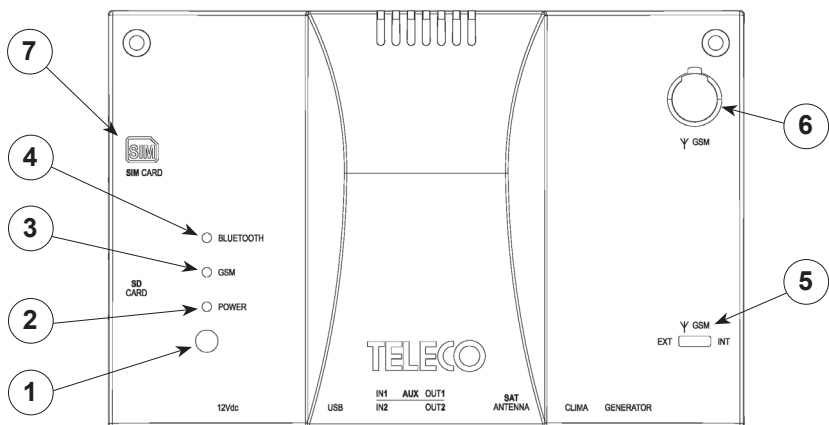


FIG 1

- 1 Key**
Starts and ends the pairing procedure needed to link the HUB to a mobile device (smartphone, tablet etc.) using Bluetooth technology
- 2 Red LED (POWER)**
Flashes during HUB start up, on when the HUB is ready to work
- 3 Green LED (GSM)**
On when GSM connection is possible (SMS ok, tracking ok)
Flashes when the GSM connection is partial (SMS ok, no tracking)
- 4 Blue LED (BLUETOOTH)**
Flashes briefly every 3 seconds when the HUB is able to connect via Bluetooth with one of the paired smartphones; on when a smartphone is connected
During the pairing procedure: flashes every second when the HUB is ready to pair, flashes rapidly when the paired smartphone list is full.
- 5 GSM EXT/INT**
Commutator to select the internal GSM (INT) or external (EXT) antenna
- 6 GSM**
Connector for GSM external antenna (optional, not included in the order)
- 7 SIM CARD**
Slot for insertion of GSM micro-SIM (optional, not included in the order)

Installation

■ Positioning

To identify the HUB position that gives the best GSM and Bluetooth reception proceed as follows:

1. Connect the HUB to the vehicle battery and carry out a Bluetooth pairing with a smartphone (see «Rapid configuration of the Bluetooth proximity connection»)
2. Check the GSM reception quality of the HUB by selecting «SMS» from the TelecoHUB App Menu and checking that GSM signal quality in the chosen installation position is good.
3. Check Bluetooth reception quality by moving around inside the vehicle with your smartphone and checking there are no interruptions in Bluetooth connection with the HUB

Make sure the Micro-SIM slot remains accessible.

■ GSM external antenna (optional)

The internal antenna of the HUB is usually sufficient to ensure good reception.

Should an external antenna be required, please contact your authorised Teleco partner/dealer as choosing the wrong antenna may worsen signal reception.

Should you decide to use an external GSM antenna proceed as follows:

1. Lift the plastic lid that protects the GSM connector (Fig. 1)
2. Connect the antenna to the GSM connector
3. Shift the GSM INT/EXT commutator to the "EXT" external position
4. Check GSM reception by using the TelecoHUB App

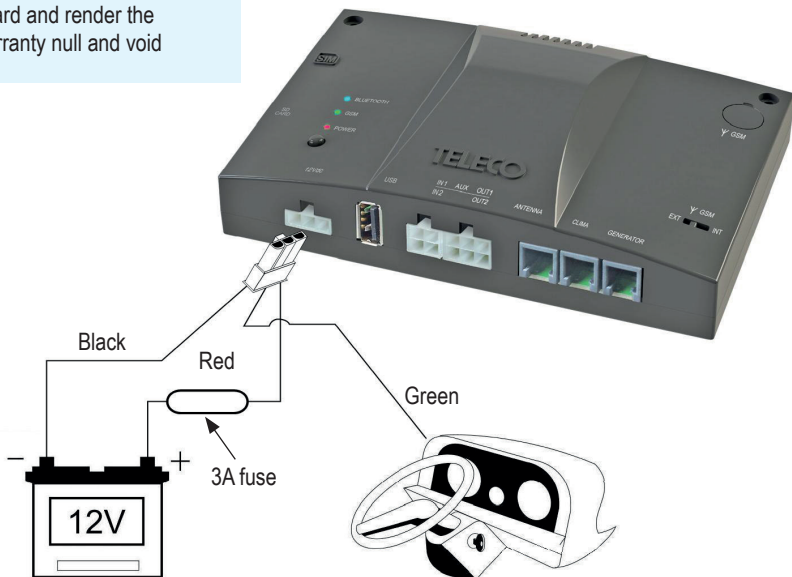
■ Connecting to the vehicle battery

- 1) Connect the BLACK wire of the power supply cable to the NEGATIVE POLE of the vehicle 12 Volt battery, and the RED wire to the POSITIVE POLE + (be careful not to invert the + and - poles) using 2 cables of a cross section of 1 mm². Protect the positive pole with a 3 A fuse near the battery terminal.
- 2) Connect the GREEN wire of the power supply cable to the consensus of the vehicle ignition console (in many cases such consensus is located on Pin 15 in the main terminal board) so that whenever the engine is started this cable receives a positive + 12 V DC voltage.

If this connection is not made the HUB will not be able to send you an alarm when the vehicle engine is started.

• Warning

The 3-way power connector (P) must be inserted in the POWER V DC socket. Inserting this connector in any other socket will irreparably damage the board and render the warranty null and void

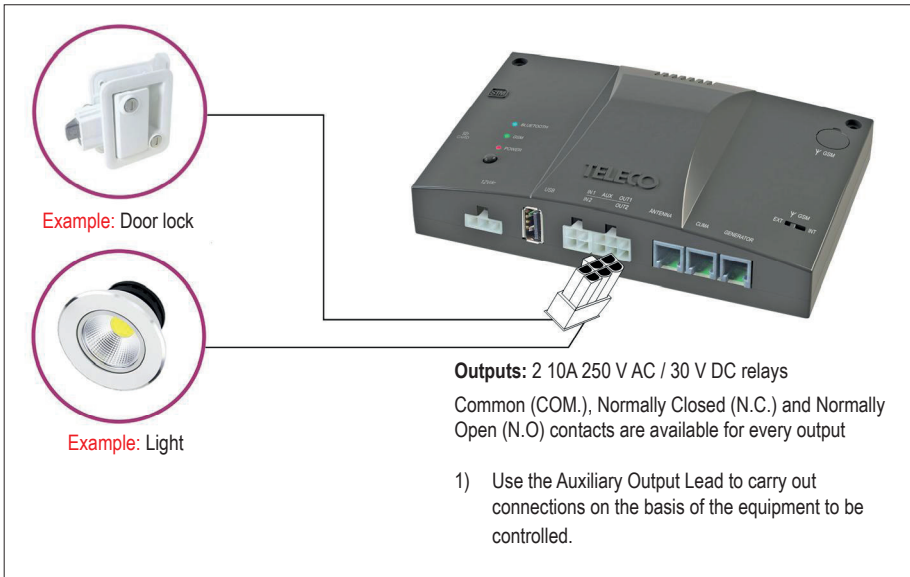
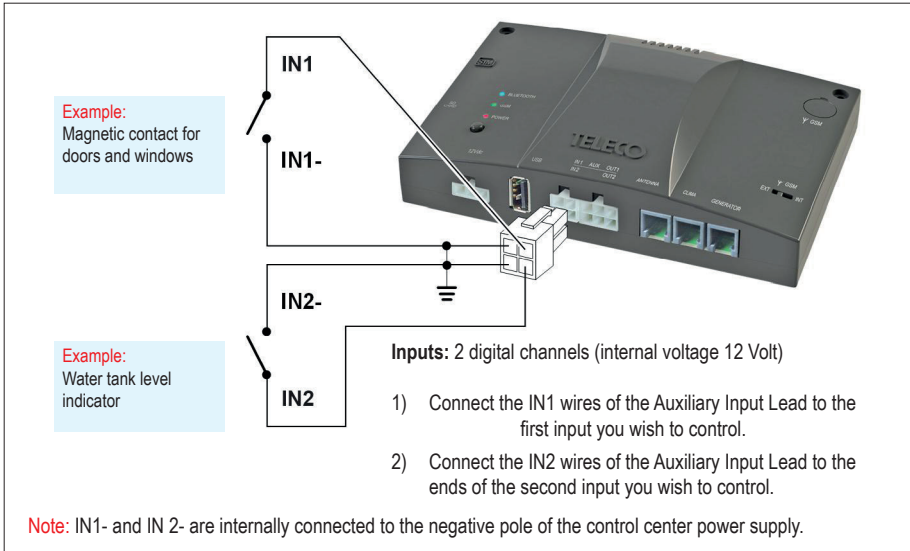


■ Connection of auxiliary inputs and outputs (optional)

The HUB places 2 inputs and 2 outputs at the user's disposal to control camper equipment/devices.

For example, the inputs could be used to monitor the water and waste water tanks (Tank full? Tank empty?), or to check if the door and the skylight/ventilation port are open or closed.

The outputs could be used to switch the lights on and off or to command unlocking of the camper.



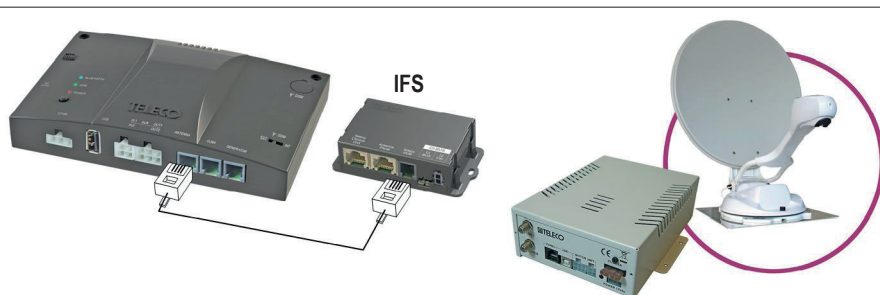


■ Connection of system-ready Teleco/Telair products (optional)

The HUB allows you to control - with a smartphone - satellite antennas, air conditioners and power generators that are ready for use with the Teleco HUB.

● Satellite antenna:

Using a HUB-Bus cable (not included in this order) connect the "SAT ANTENNA" connector of the HUB to the "Teleco HUB" connector of the IFS Antenna interface



Compatible satellite antenna models:

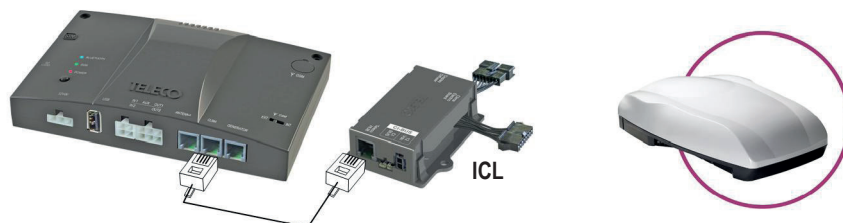
- All FlatSat systems starting from serial number 1401560001 (year of sale 2014)
- All InternetSat systems starting from serial number 1401B20001 (year of sale 2014)
- All TeleSat systems starting from serial number 1401A40001 (year of sale 2014)

Not compatible with Elegance and Komfort models.

Note: the antenna control units must be programmed with firmware in version 70 or later (U70, C70, T70 etc.). Connection with the HUB occurs via the IFS interface.

● Air conditioner:

Using a HUB-Bus cable (not included in this order) connect the "CLIMA" connector of the HUB to the "Teleco HUB" connector of the ICL Clima interface

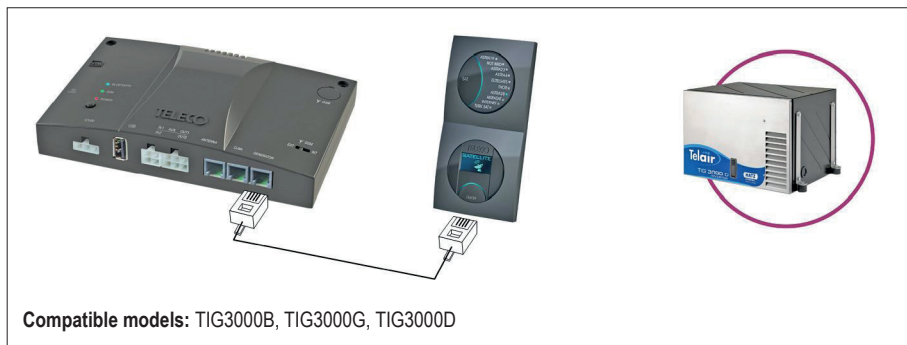


Compatible models: SILENT 5400H-7400H-8400H and DUALCLIMA 8400H-12400H

Connection with the HUB occurs via the ICL interface

- **Power generator:**

Using a HUB-Bus cable (Teleco code...: not included in this order) connect the “GENERATOR” connector of the HUB to the RJ11 connector at the rear of the panel of compatible generators



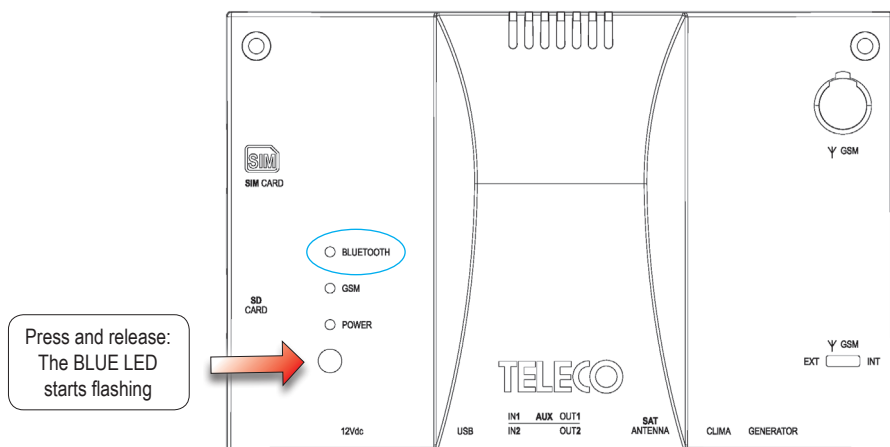
Note: All the products connected to the HUB must have the same earth reference.

Rapid HUB and smartphone configuration

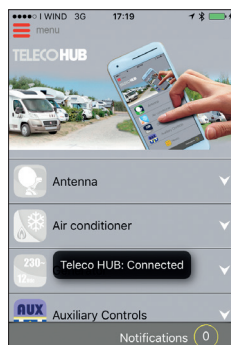
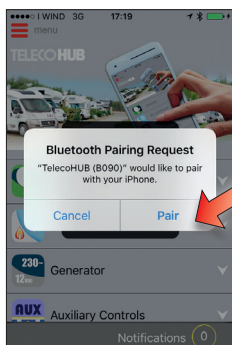
■ Rapid configuration of the Bluetooth proximity connection

To configure the HUB and your smartphone rapidly follow the instructions contained in the next two paragraphs.
For further details go to the chapter on “HUB and Smartphone detailed configuration”.

1. Install the TelecoHUB App on your smartphone
2. Activate Bluetooth on the smartphone
3. Press the HUB pairing key (Fig. 1) and release it: the blue LED starts flashing (1 second on and 1 second off)



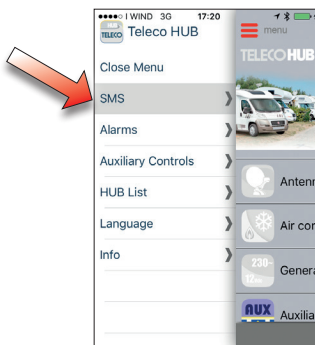
4. Remain near the HUB and start the TelecoHUB App on the smartphone; if requested, press the “Pair” key (if the App is already on, scroll the screen down to force reconnection)



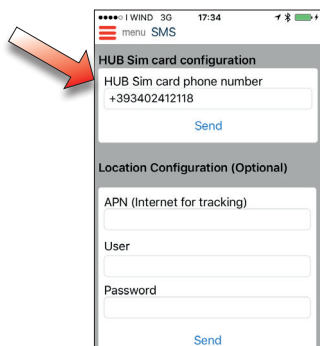
Now the smartphone is connected via Bluetooth to the HUB and can control it from nearby. On subsequent activations of the TelecoHUB App the smartphone will automatically connect to the HUB.
Repeat the configuration with all the smartphones that will be used to control the HUB via Bluetooth (maximum 4).

■ **Rapid configuration of the remote connection via GSM (SMS)**

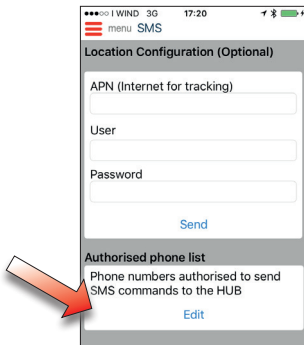
1. If you have not already done so, insert a Micro-SIM card (with its own phone number and sufficient credit) in the slot shown in Fig. 1 and power the HUB
2. Remain close to the HUB and open the TelecoHUB App on the smartphone enabled for nearby control (if the App is already open, scroll the screen down to force reconnection, see previous paragraph): the smartphone automatically connects to the HUB via Bluetooth
3. Press Menu  and select the «SMS» item



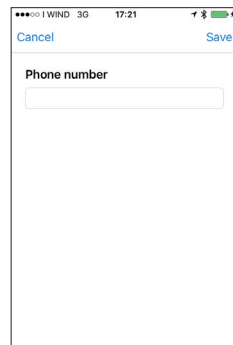
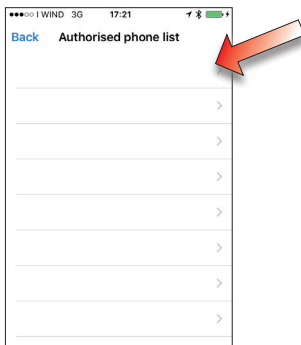
4. Go to the "HUB Sim configuration" section and key in the telephone number of the Micro-SIM card installed in the HUB and confirm by pressing "Send"



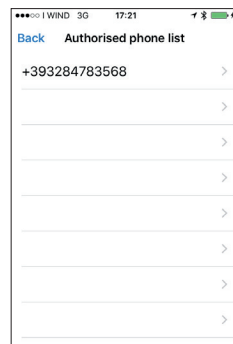
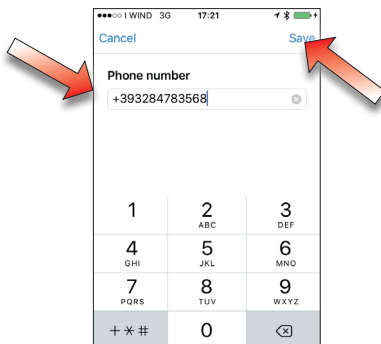
5. Scroll down and select “Modify” in the “Authorised phones list” section



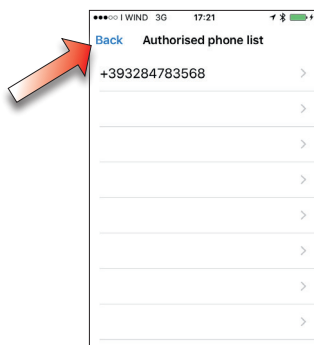
6. Identify a free slot and click on it



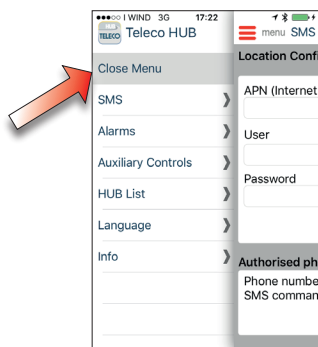
7. Key in the number of the smartphone to be enabled for remote control and confirm by pressing “Save”



8. Repeat steps 6 and 7 to enter all the phone numbers to be enabled for remote control (maximum 10 telephone numbers)
9. Press “Back” to exit the list



10. Press Menu  and select the «Close Menu» item



The HUB is ready to be controlled via GSM (SMS) by smartphones whose numbers have been entered on the “Authorised phones list” (points 6, 7 and 8).

HUB and Smartphone detailed configuration

The HUB has been developed to allow proximity (nearby) and remote control of your Camper or Caravan using mobile devices such as smartphones, tablets etc. Works via Bluetooth in the immediate vicinity (about 10 metres) and automatically goes to GSM (SMS) operation over greater distances. You can find the free "Teleco HUB" app in the Apple AppStore on the Google PlayStore. It can be installed on all the smartphones that will be used to control the HUB.

■ Bluetooth Connection

To ensure your privacy the HUB only communicates via Bluetooth with paired smartphones.

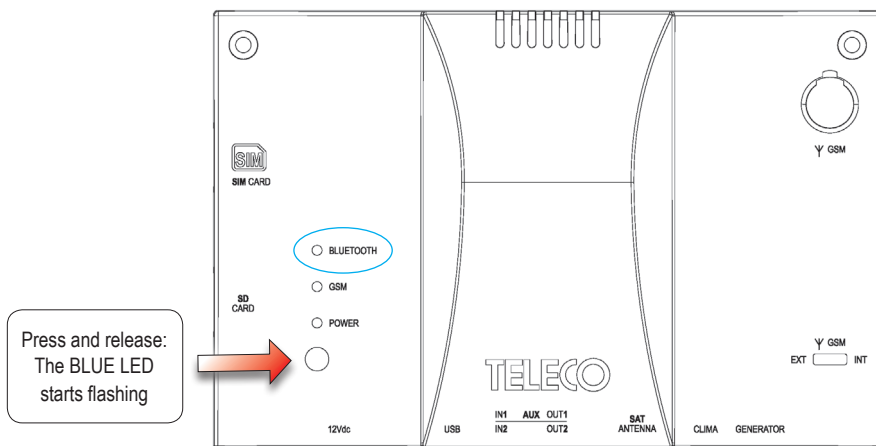
Paired smartphones connect to the HUB automatically when the TelecoHUB App is opened.

To force a connection attempt scroll the main App window downwards. Should connection fail to occur, check that the smartphone Bluetooth function is on: if necessary activate it as per the instructions for the smartphone.

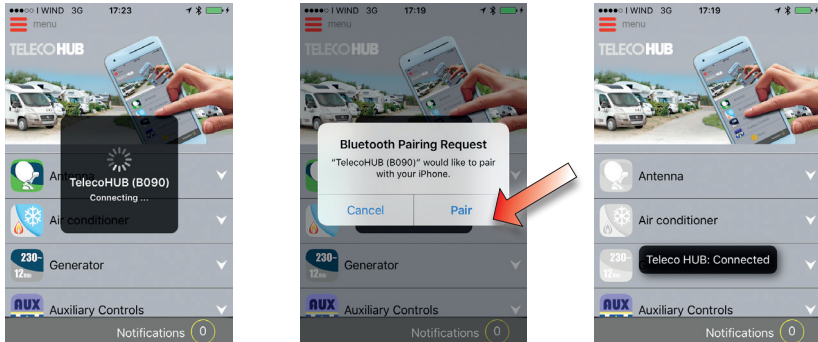
It is possible to connect one smartphone at a time. So if the blue LED is on (steady, not flashing) to indicate that a connection with a smartphone is already established, no other connection, pairing or deletion tasks may be performed until the current connection has been terminated.

● Pairing a smartphone for Bluetooth connection

To pair a smartphone press the HUB pairing key (Fig. 1) and release it: the blue LED starts flashing (1 second on and 1 second off).



Start the TelecoHUB App on the smartphone; if requested, press the “Pair” key (if the App is already on, scroll the screen down to force reconnection).



Once pairing has been completed, the smartphone connects to the HUB and «Bluetooth pairing» mode is automatically terminated.

Up to 4 smartphones can be paired; they can connect to the HUB one at a time.

If you try to pair a new smartphone when the list is full, the blue LED flashes rapidly for about 3 seconds, then the HUB returns to standby ready to connect with one of the paired smartphones.

Note: on the smartphone the HUB will be displayed with the name “TelecoHUB (XXXX)”, where XXXX is the 4-letter code on the label on the back of your HUB.

• Deleting the list of smartphones paired for Bluetooth connection

To delete the list of smartphones press the HUB pairing key and keep it pressed until the blue LED stops flashing and remains on.

Press and keep pressed:
The BLUE LED starts flashing



LED on (steady, not flashing)
Release when the BLUE LED is on (steady, not flashing)

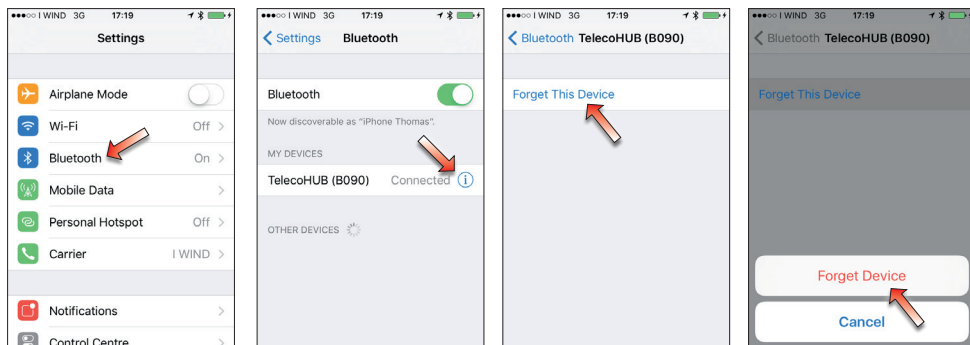


Note

on deletion of Apple iOS smartphones:

the Apple iOS operating system requires that deletion be effected on both the HUB and on the smartphone, otherwise it will not be possible to repeat its pairing. To delete the pairing on the smartphone go to the iOS "Bluetooth settings" and remove "TelecoHUB (XXXX)" from the "MY DEVICES" list (press ⓘ, and then "disassociate this device").

Consult, if necessary, the smartphone instructions.



This procedure does not regard Android smartphones: their pairing can be repeated immediately.

■ GSM connection

For GSM communication a Micro-SIM card with its own phone number and sufficient credit is needed. The Micro-SIM card is not included. Equipment is controlled via SMS (text) messaging.

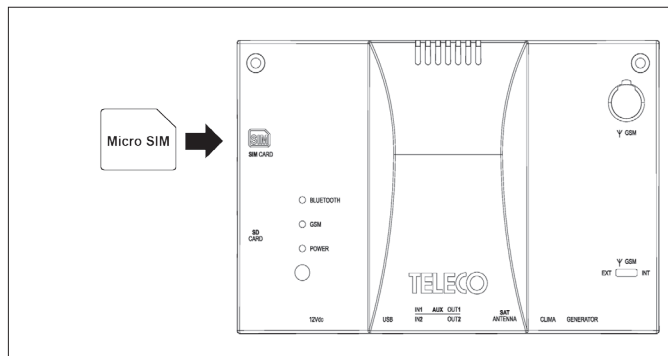
Warning: the TelecoHUB App automatically creates the messages with the commands to be sent (e.g. "Close Antenna Sat (50030)"): to ensure communication is completed successfully, send the message without modifying recipient or message text.

● Inserting and removing the Micro-SIM card

Insert the Micro-SIM card in the «SIM CARD» slot as illustrated in the figure below until it clicks into place.

Make sure you insert the card in the special guide with the contacts facing downwards. To remove the Micro-SIM card press it again.

Note: the HUB can also be used without a Micro-SIM; this limits usage to Bluetooth connection in the immediate vicinity (range about 10 metres).



• Configuring GSM connection

To configure GSM communication use a smartphone that has been Bluetooth paired with the HUB:

1. Remain close to the HUB and open the TelecoHUB App on the smartphone (if the App is already open, scroll the screen down to force reconnection): the smartphone automatically connects to the HUB via Bluetooth
2. Press Menu  and select the «SMS» item on the TelecoHUB App.



3. Go to the “HUB Sim configuration” section and enter the telephone number of the Micro-SIM card installed in the HUB and confirm by pressing “Send”



Where requested by the App, enter the PIN of the Micro-SIM installed in the HUB. If a PIN is entered incorrectly 3 times, the Micro-SIM is locked. To unlock the Micro-SIM card remove it from the HUB and unlock it in a mobile device using the PUK code. To receive help in unlocking the card, contact your mobile phone service provider.

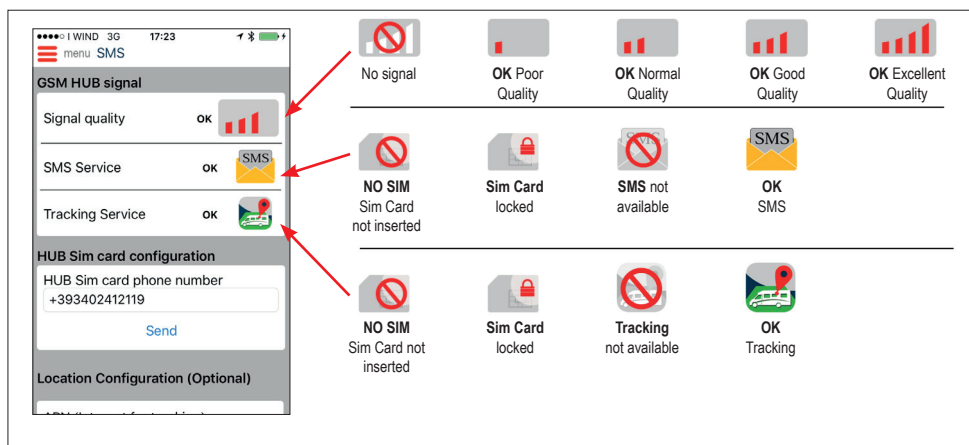
The tracking service requires that the Micro-SIM installed in the HUB be enabled for data traffic. Where requested by the provider of the Micro-SIM installed in the HUB, enter the data for data traffic configuration: APN, Username and Password.



To receive help in configuring the card's data traffic function, contact your mobile phone service provider.

If the Micro-SIM card is replaced, modify the telephone number in the TelecoHUB App «SMS» menu accordingly.

The "GSM HUB Signal" section of the App «SMS» menu provides information on GSM connection status and signal quality.

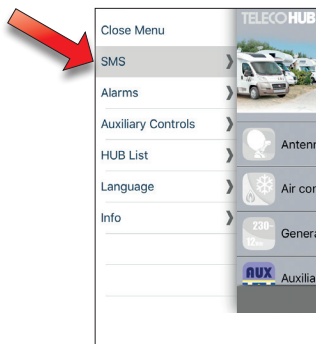


- **Configuring the numbers enabled for HUB control via GSM (SMS)**

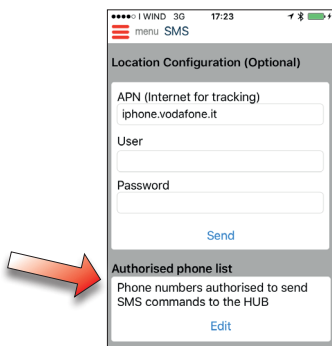
To ensure your privacy the HUB only accepts commands via GSM (SMS) from numbers contained in a list of 10 enabled telephone numbers.

To add a phone number to the list use a smartphone that has been Bluetooth paired with the HUB:

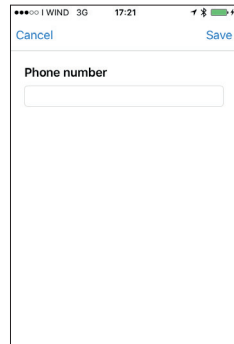
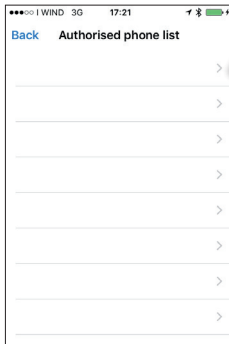
1. Remain close to the HUB and open the TelecoHUB App on the smartphone (if the App is already open, scroll the screen down to force reconnection); the smartphone automatically connects to the HUB via Bluetooth
2. Press Menu  and select the «SMS» item



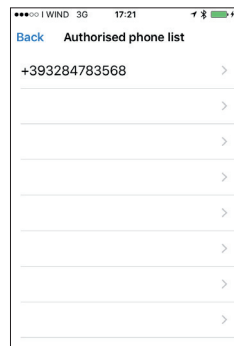
3. Scroll down and select “Modify” in the “Authorised phones list” section



4. Identify a free slot and click on it

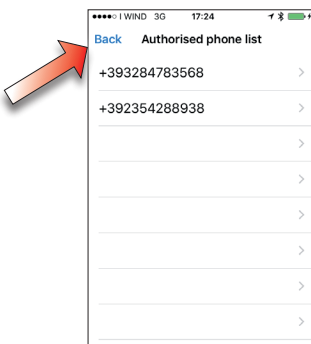


5. Key in the number of the smartphone to be enabled for remote control and confirm by pressing "Save"

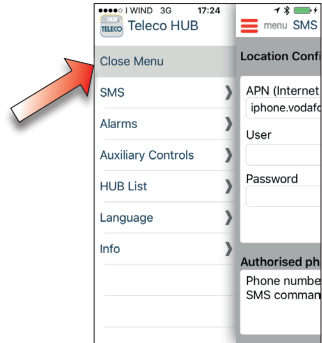
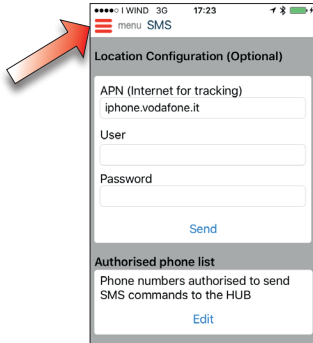


6. Repeat steps 4 and 5 to enter all the phone numbers to be enabled for remote control (maximum 10 telephone numbers)

7. Press "Back" to exit the list



8. Press Menu  menu and select the «Close Menu» item



The HUB is ready to be controlled via GSM (SMS) by smartphones whose numbers have been entered on the “Authorised phones list” list (steps 4, 5 and 6).

Note: use the same section of the “Authorised phones list” «SMS» menu to modify/delete phone numbers on the list.

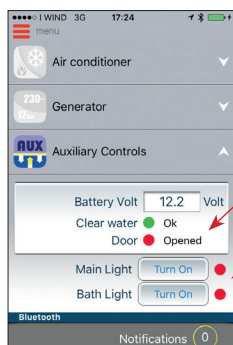
■ Auxiliary controls

The HUB places 2 inputs and 2 outputs at the user's disposal to control camper equipment/devices. On the basis of how the connections have been carried out you can, for example:

- check the water and waste water tank levels
(Tank full? Tank empty?)
- check if the door or skylight/ventilation port are open or closed.
- switch the lights on or off.
- control camper unlocking etc...

To read the status of the inputs and control the outputs use the “Auxiliary Controls” tab on the main page of the TelecoHUB App. The same tab also shows the vehicle battery charge.

In Bluetooth mode



Shows real-time status of inputs and battery

Press the keys to control the auxiliary outputs

In SMS mode



Prepares an SMS to send to the HUB to request status of inputs and battery

Prepares an SMS to send to the HUB to control the auxiliary outputs

The inputs can also be configured to send an alarm on contact opening or closing.

For example, the HUB can be configured to send an alarm when the camper door is opened (see “Alarms and Notifications” section of this manual).

• Configuring the Inputs

The inputs are assigned the generic name IN1 and IN2.

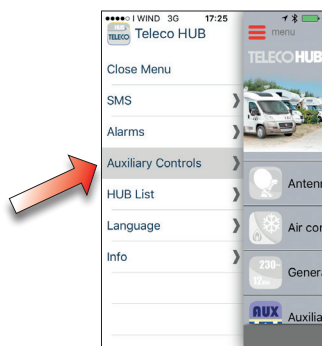
Using the «Auxiliary controls» menu of the TelecoHUB App it is possible to change the names of the function the inputs have been assigned to.

For example, if input IN1 is connected to the sensor that reads skylight status, its name can be changed to “Skylight”; also, the labels that describe its status can be changed by giving them the names “Open” and “Closed”.

It is also possible - via the same menu - to define if the input must be used as an alarm on opening or closing of the contact.

To configure the inputs use a smartphone that has been Bluetooth paired with the HUB:

1. Remain close to the HUB and open the TelecoHUB App on the smartphone (if the App is already open, scroll the screen down to force reconnection): the smartphone automatically connects to the HUB via Bluetooth
2. Press Menu  and select the «Auxiliary Controls» item

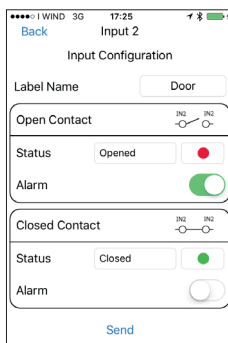
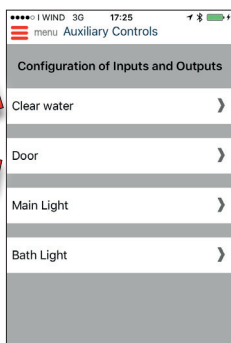


3. Press on the input you intend to configure, then carry out modifications and confirm by pressing “Send”

IN1



IN2



Warning! This page defines whether the input must be used as an alarm on opening or closing of the contact. The alarm will only be active when enabled on the alarms page (see “Alarms Configuration” section).

• Configuring the Outputs

The outputs are assigned the generic name OUT1 and OUT2.

Using the «Auxiliary controls» menu of the TelecoHUB App it is possible to change the names of the function the outputs have been assigned to.

For example, if output OUT1 is connected to the living area light the name labels can be changed to “Living Area Light”, as can the status (“On” and “Off”) and function (“Switch On” and “Switch Off”) labels.

To configure the outputs use a smartphone that has been Bluetooth paired with the HUB:

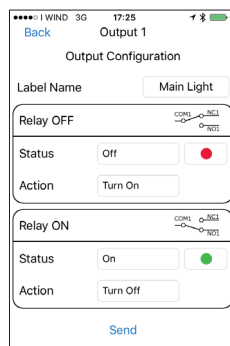
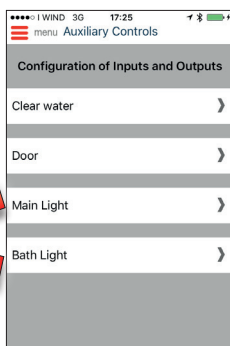
1. Remain close to the HUB and open the TelecoHUB App on the smartphone (if the App is already open, scroll the screen down to force reconnection): the smartphone automatically connects to the HUB via Bluetooth
2. Press Menu  and select the «Auxiliary Controls» item



3. Press on the output you intend to configure, then carry out modifications and confirm by pressing “Send”

OUT1

OUT2

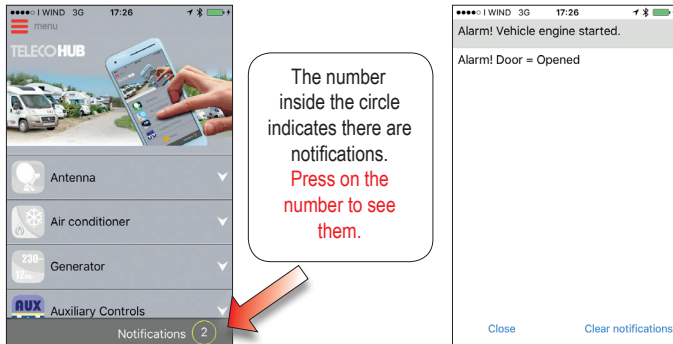


■ Alarms and Notifications

The HUB can be configured to send Alarms and Notifications. Configurable alarm conditions may include:

- Vehicle engine start
- Closing or Opening of inputs IN1 and IN2.

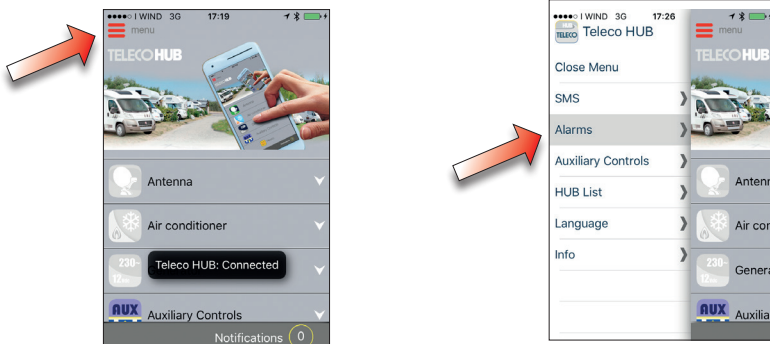
When an alarm condition occurs the HUB checks whether there is a smartphone currently connected via Bluetooth (blue LED on). If the smartphone is connected and the TelecoHUB App is open, the alarm is sent to the Notifications bar, otherwise the alarm is sent via SMS (text message) to all the phone numbers configured in the "Alarm phones list".



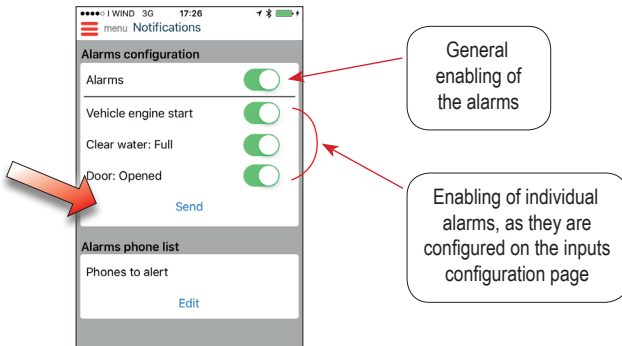
● Configuring the Alarms

To configure the alarms start the TelecoHUB App on a smartphone that has been Bluetooth paired with the HUB:

1. Remain close to the HUB and open the TelecoHUB App on the smartphone (if the App is already open, scroll the screen down to force reconnection): the smartphone automatically connects to the HUB via Bluetooth
2. Press Menu  and select the «Alarms» item



- Use the “Alarms Configuration” to activate/deactivate the alarms and confirm by pressing “Send”



Configuration is not yet complete because it is necessary to define the list of telephone numbers to which the alarm SMS messages must be sent (see following paragraph).

Note: it is possible to activate/deactivate alarms remotely via SMS message, but it is not possible to modify the list of phones to be warned.

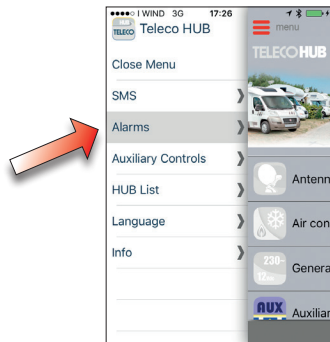
- **Configuration of the telephone numbers to which SMS alarm messages are to be sent**

The HUB sends SMS alarm messages to the numbers present in a list of 4 telephone numbers.

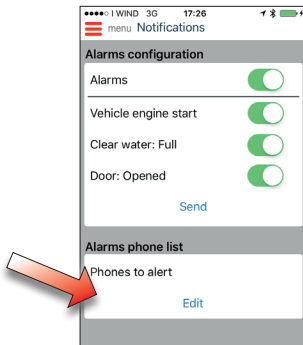
To add a phone number to the list use a smartphone that has been Bluetooth paired with the HUB:

- Remain close to the HUB and open the TelecoHUB App on the smartphone (if the App is already open, scroll the screen down to force reconnection): the smartphone automatically connects to the HUB via Bluetooth

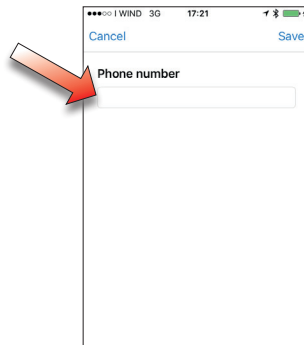
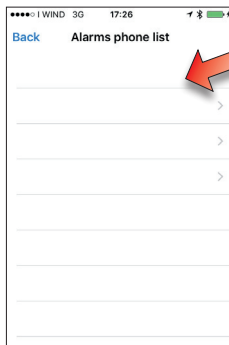
- Press Menu  and select the «Alarms» item



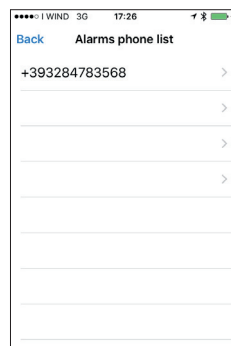
3. Scroll down and select "Modify" in the "Alarm phones list" section



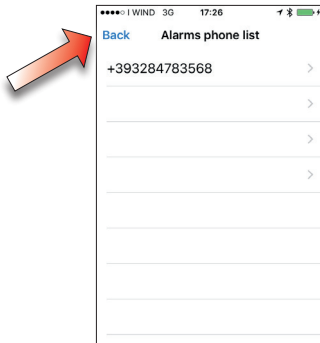
4. Identify a free slot and click on it



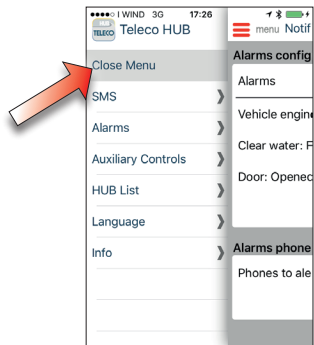
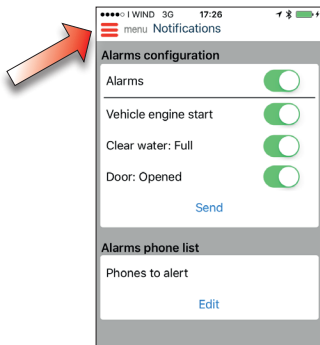
5. Key in the number of the smartphone to which SMS alarm messages are to be sent and confirm by pressing "Save"



6. Repeat steps 4 and 5 to enter all the phone numbers to which SMS alarm messages are to be sent (maximum 4 telephone numbers)
7. Press “Back” to exit the list



8. Press Menu and select the «Close Menu» item



■ Tracking

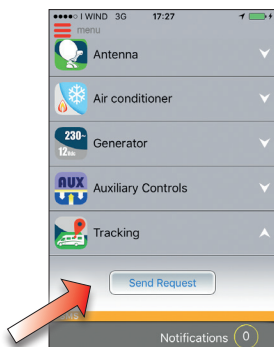
The HUB is equipped with a GSM tracking system that, in combination with the TelecoHUB App, lets you receive an SMS message with a link to display the area where your vehicle is currently located on Google Maps.

The advantage of using a GSM tracking system lies in the fact that - unlike GPS tracking systems - signal coverage is normally ensured inside buildings too (shelters, garages, etc.).

Tracking precision depends on GSM cell density where the vehicle is currently located; consequently, it varies from area to area.

Note: for vehicle tracking the Micro-SIM card installed in the HUB must allow Internet browsing. Each tracking request generates about 200 transmission bytes and 200 reception bytes of data traffic.

To receive an SMS with vehicle tracking open the Teleco HUB App “Tracking” tab and press “send Request”



Troubleshooting

- **Teleco HUB**

The Teleco HUB control unit is not ready to work (the red LED does not come on)

Check vehicle battery connections and check the battery is sufficiently charged

I am unable to control connected equipment items

Check that the Teleco HUB control unit is ready to work

Check that the devices are properly connected and ready to work

Restart the Teleco HUB control unit by disconnecting Bluetooth power for about 10 seconds

- **Bluetooth**

Communication link does not work

Make sure the smartphone has a Bluetooth LE (Bluetooth 4.1 or later) compatible peripheral

Make sure the smartphone's Bluetooth function is on

Make sure you are inside the Bluetooth range (about 10 metres) and that connection has been established

Force a connection attempt by scrolling the main Teleco HUB App window downwards.

Close the Teleco HUB App and reopen it

I can't pair a smartphone

It is possible to connect just one smartphone at a time. So if the blue LED is on (steady, not flashing) to indicate that a connection is already established, no pairing tasks may be performed until the connection has been terminated.

Has the list of paired smartphones been deleted? If the smartphone has the Apple iOS operating system, make sure that pairing has also been deleted from the smartphone. To delete the pairing from the smartphone go to the iOS Bluetooth settings and remove "TelecoHUB (XXXX)" from the "MY DEVICES" list (press  , and then "disassociate this device"). Consult, if necessary, the smartphone instructions

I can't delete the list of paired smartphones

It is possible to connect just one smartphone at a time. So if the blue LED is on (steady, not flashing) to indicate that a connection is already established, the list cannot be deleted until the connection has been terminated.

Range too limited

Assess whether the HUB is installed in a suitable position

- **GSM**

No GSM connection (the green LED does not come on)

Check that the Micro-SIM card is inserted properly in the TelecoHUB control unit SIM CARD slot

Check that the Micro-SIM card is working (e.g. the SIM card may be locked by the provider)

Check the GSM INT/EXT commutator

Check Micro-SIM card status and GSM signal using the «SMS» menu on the TelecoHUB App

Poor GSM reception

Check network coverage in your current location

Check the GSM INT/EXT commutator

Assess whether the HUB is installed in a suitable position

The HUB does not receive commands sent via SMS message

Check that the SMS is sent to the phone number of the Micro-SIM installed in the HUB

Check that your smartphone number is in the "Authorised phones list" (Teleco HUB App «SMS» menu)

SMS forwarding may be delayed owing to mobile phone operator problems or poor network coverage

Do not use "WebSMS" systems to send SMS messages.

The HUB does not send SMS confirmation messages to my smartphone

Check the Micro-SIM installed in the HUB is working properly and that it has sufficient credit

The HUB does not send SMS alarm messages to my smartphone

Check the Micro-SIM installed in the HUB is working properly and that it has sufficient credit

Check that the control unit is configured to send alarms (Teleco HUB App «Alarms» menu)

Check that your smartphone number is in the "Alarm phones list" (Teleco HUB App «Alarms» menu)

Check the HUB is not connected via Bluetooth to any smartphone (blue LED on steady, not flashing); if it is, the alarm will be shown directly in the Teleco HUB App Notifications Bar on the connected smartphone

The HUB is unable to determine vehicle location

The tracking service can only be used if there is GPRS coverage (green LED on, steady not flashing).

The tracking service can only be used if the Micro-SIM card installed in the HUB is enabled for data traffic. Some mobile service providers request that parameters be entered to configure data traffic: APN, Username and Password. Check with your mobile service provider and use the Teleco HUB App «SMS» menu to enter the parameters supplied by your provider.

- **FAQ**

Can I control my automatic satellite antenna with the Teleco HUB?

The HUB is compatible with the following satellite antenna models:

- All FlatSat systems starting from serial number 1401560001 (year of sale 2014)
- All InternetSat systems starting from serial number 1401B20001 (year of sale 2014)
- All TeleSat systems starting from serial number 1401A40001 (year of sale 2014)

Not compatible with Elegance and Komfort models.

Connection with the HUB occurs via the IFS interface.

Note: the antenna control units must be programmed with firmware in version 70 or later (U70, C70, T70, etc.).

Can I control my air conditioner with the Teleco HUB?

The HUB can control the following Telair air conditioner models:

SILENT 5400H-7400H-8400H and DUALCLIMA 8400H-12400H

Connection with the HUB occurs via the ICL interface

Can I control my power generator with the Teleco HUB?

The HUB can control the following Telair generator models:

TIG3000B, TIG3000G, TIG3000D

Connection with the HUB occurs directly via the generator panel.

WHAT THE LEDs MEAN

RED LED (power)	
On steadily	The HUB is working
Alternate flashing	The HUB is starting up
Off	The Teleco HUB control unit is not ready to work: Check vehicle battery connections and check the battery is sufficiently charged
GREEN LED (GSM)	
On steadily	The HUB can communicate via SMS and can perform Tracking
Alternate flashing	GSM network ok, GPRS network absent. The HUB can communicate via SMS but cannot perform Tracking: Check that the Micro-SIM card installed in the HUB is enabled for data traffic. Some mobile service providers request that parameters be entered to configure data traffic: APN, Username and Password. Check with your mobile service provider and use the Teleco HUB App «SMS» menu to enter the parameters supplied by your provider Check GPRS network coverage in your current location
Off	No GSM connection: Check that the Micro-SIM card is inserted properly in the TelecoHUB control unit SIM CARD slot Check that the Micro-SIM card is working (e.g. the SIM card may be locked by the provider) Check the GSM INT/EXT commutator Check Micro-SIM card status and GSM signal using the «SMS» menu on the Teleco HUB App
BLUE LED (Bluetooth)	
On steadily	One of the paired smartphones is connected to the HUB
Brief flashing every 3 seconds	The HUB is ready to connect with one of the paired smartphones, start the TelecoHUB App to connect
Alternate flashing 1 second ON and 1 second OFF	The HUB is ready to execute pairing with a new smartphone, start the TelecoHUB App on the smartphone to be paired and accept the pairing request
Fast flashing for 3 seconds	Trying to pair a smartphone, but the list is full. To delete the list follow the "Delete the list of smartphones paired for Bluetooth connection" instructions



CONFORMITY CERTIFICATE

The manufacturer Teleco Spa

Via Majorana nr. 49, 48022 Lugo (RA)

Declares under its own responsibility that the following products:

TELECO HUB

which are the subject of this certificate, conform to the following norms:

EN 60065: 2002 - EN 55013: 2001 + A1: 2003 - EN 61000 - 3 - 2: 2000 + A2: 2005

EN 61000 - 3 - 3: 1995 + A1: 2001 + A2: 2005 - EN 55020: 2002 + A2: 2005

according to the terms of the European directive 2006/95/EC

Low Voltage (modified by 93/68/CEE) and 2004/108/CEE of Electromagnetic
Compatibility (modified by 92/31/CEE e 93/68/CEE) of the European Parliament.

EN 301489-1 V1.9.2, EN 301489-7 V1.3.1 EN 301489-17 V2.2.1

EN 301511 V12.0.0 EN 300328V1.9.1

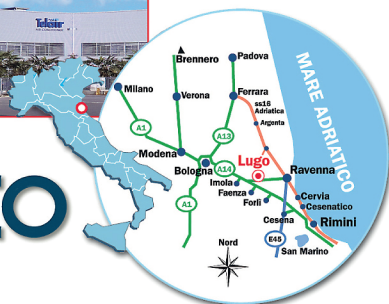
Lugo 06 / 01 / 2017

THE PRESIDENT

Ing. Raul Fabbri



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