

The background of the cover is a complex, abstract design. It features several interlocking gears of different sizes, rendered in shades of gray. Overlaid on these gears are numerous thin, curved lines that sweep across the page, creating a sense of motion and technology. The overall color palette is monochromatic, consisting of various tones of gray.

WiFi Module MH-WiFi KIT Installation Manual

2017

The logo for 'Termal' features the word in a bold, black, sans-serif font. Above the letters 'e' and 'r' are three horizontal red lines. To the left of the word, there is a graphic element consisting of several vertical blue lines of varying heights, resembling a stylized bar chart or a signal waveform.

Termal

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GENERAL INFORMATION

MH-WiFi KIT module is compatible with all Mitsubishi Heavy Industries residential air conditioners where you can install the SC-BIKN-E accessory.

Thanks to the MH-WiFi KIT module you can control your Mitsubishi Heavy Industries' air conditioner locally or remotely (via Internet) by your mobile phone. Each module can control only one air conditioner (i.e. one Indoor Unit).

Both for local and remote control, a WiFi router is required, and in the case of remote control an internet connection is required.

WARNING: this product only works with mobile phones with iOS (iPhone) and Android operating systems.

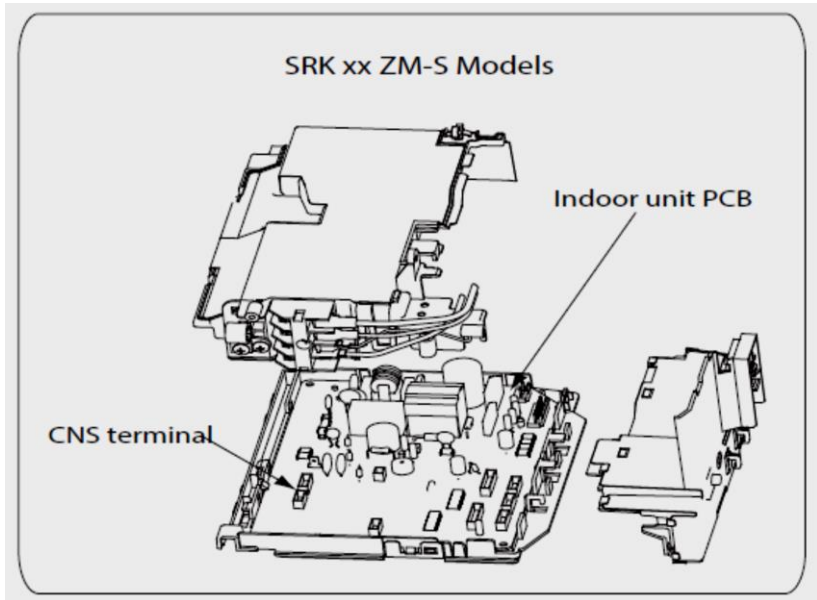
INSTALLATION

The WiFi module looks like in the figure below.



Disconnect the air conditioner from the power supply.

Connect the WiFi module to the CNS connector of the Indoor Unit's PCB. The Figure below shows the installation example to a SRK ** ZM-S model:



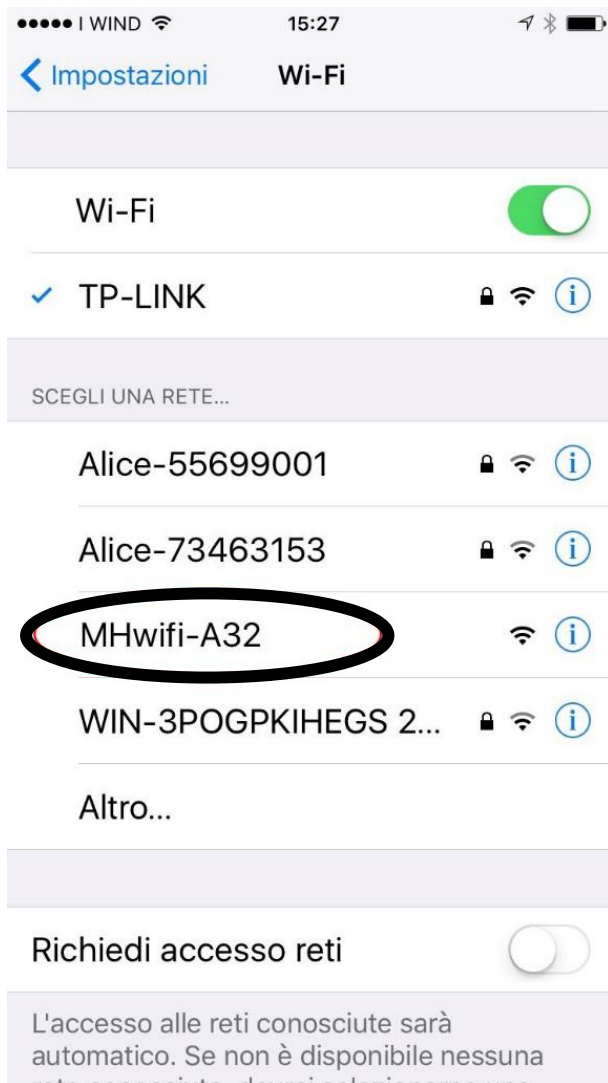
Connect your phone to your home WiFi router, connect to iTunes (for iOS) or Play Store (for Android) and download and install the MH-WiFi App.

INSTRUCTIONS FOR LOCAL CONTROL

1. _WiFi module connection to home router

Reconnect the air conditioner to the power supply and wait for the WiFi module to start up in about 30 seconds. The module is set up to create its own WiFi network that will appear on the phone under the name MHwifi-***, where *** are letters or figures that change for each module.

Then search with your phone the MHwifi-*** network created by the module and connect.

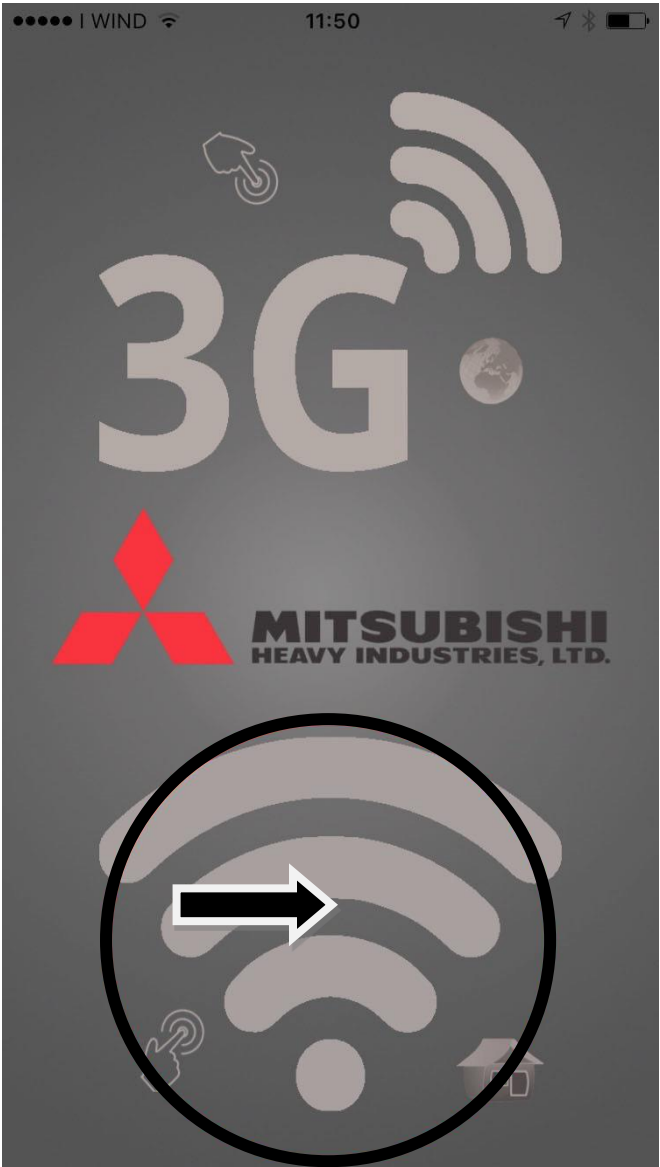


Select the network created by the WiFi module (MHwifi-A32 in the example above).

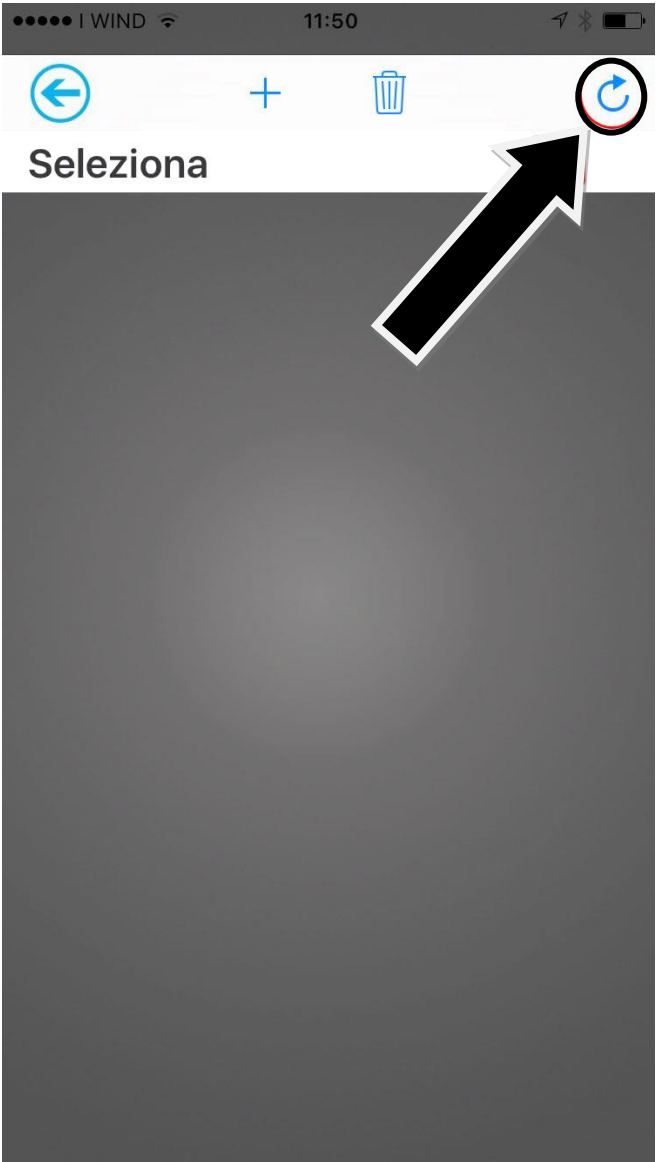
When connected, the phone will show the following screen:



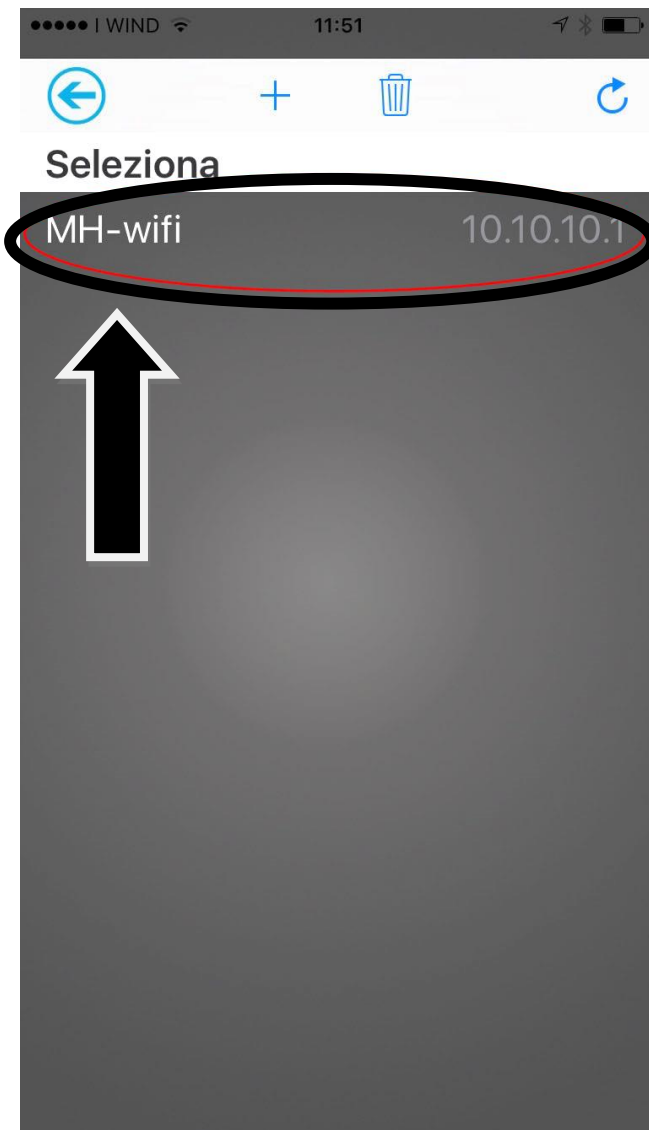
Open the MH-WiFi App previously downloaded and select the local control (bottom icon)



Press the Update button to search the MH-WiFi module through the App.

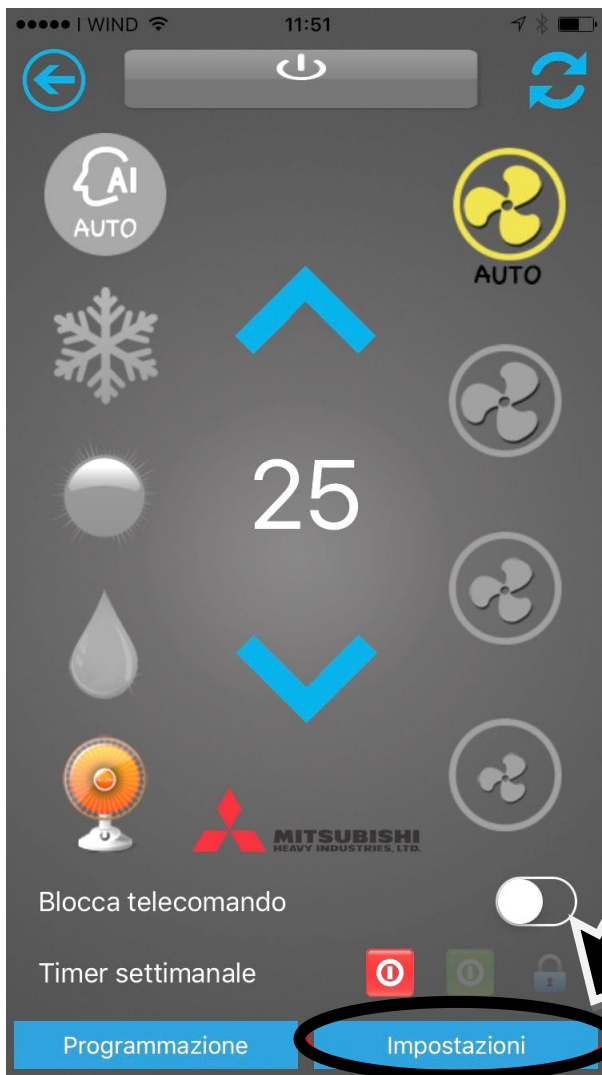


After a few seconds, the module will appear with its default IP address 10.10.10.1 (which will be replaced by the address assigned by the home router, at the end of the procedure).

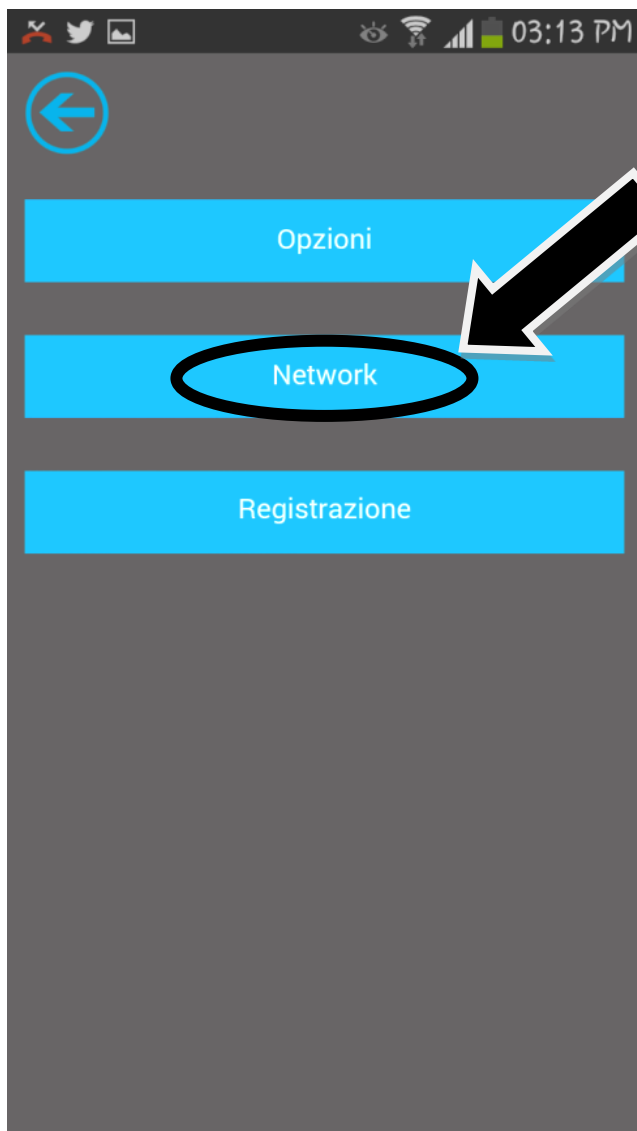


Select it, and the air conditioner's control screen will automatically open.

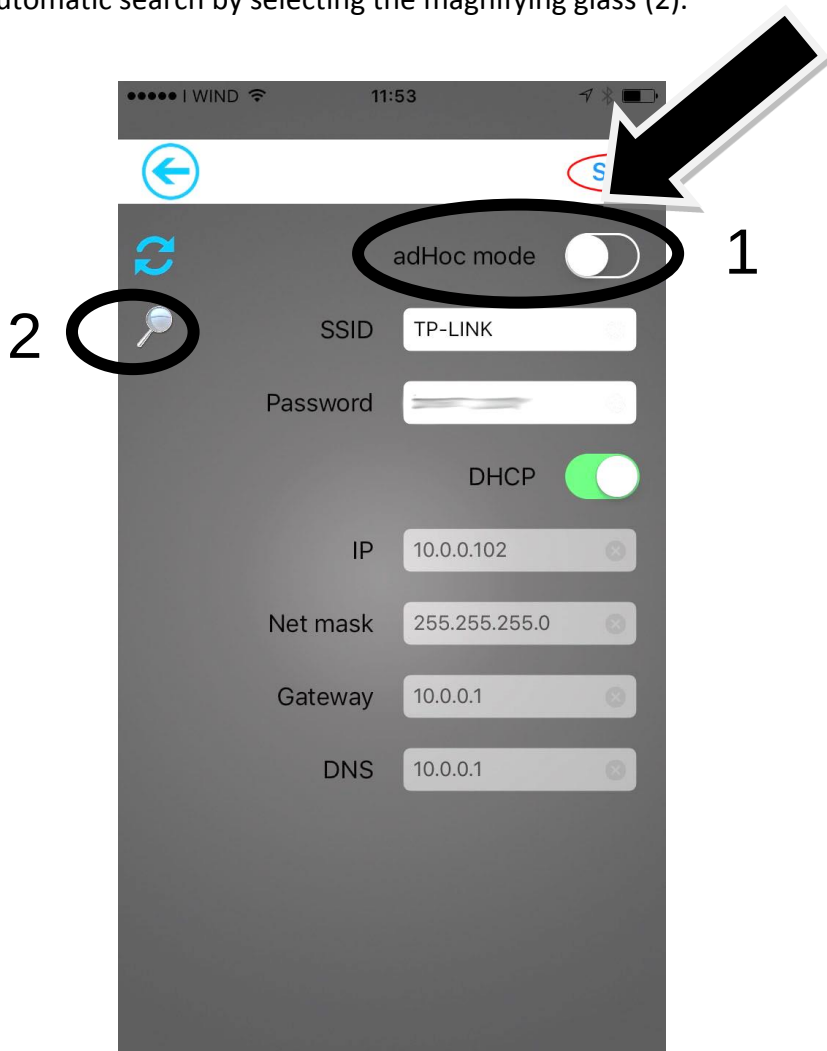
At this point, select “Impostazioni” (“Settings”) button.



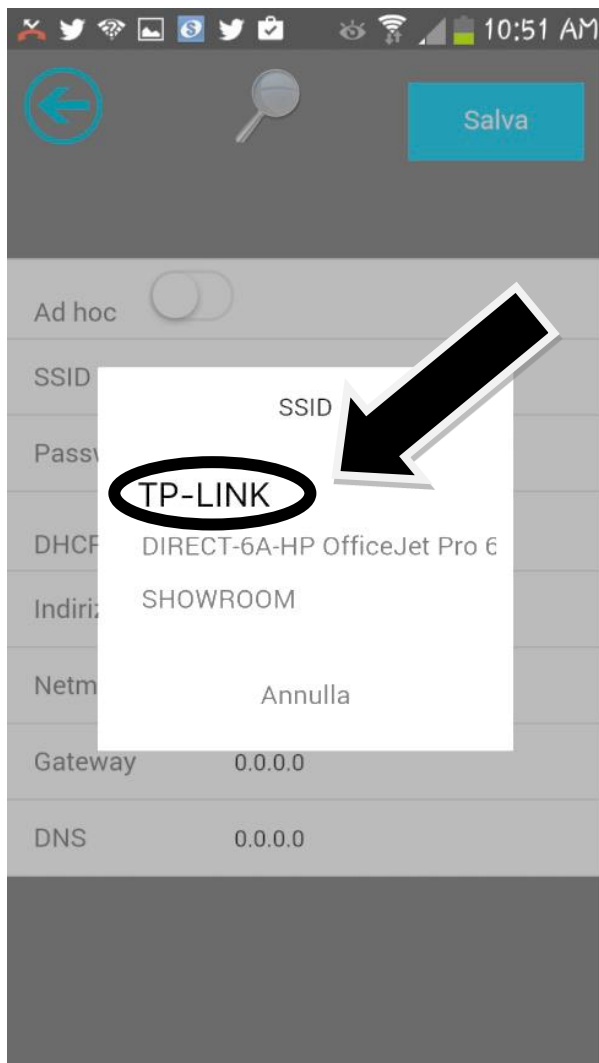
In the next screen, select “Network” button.



A page will open where you will need to enter the connection parameters for your home network. First of all (1), disable the “ad Hoc mode” command (move the cursor to the left) then enter the parameters. The easiest way to correctly insert the parameters is to do the automatic search by selecting the magnifying glass (2).

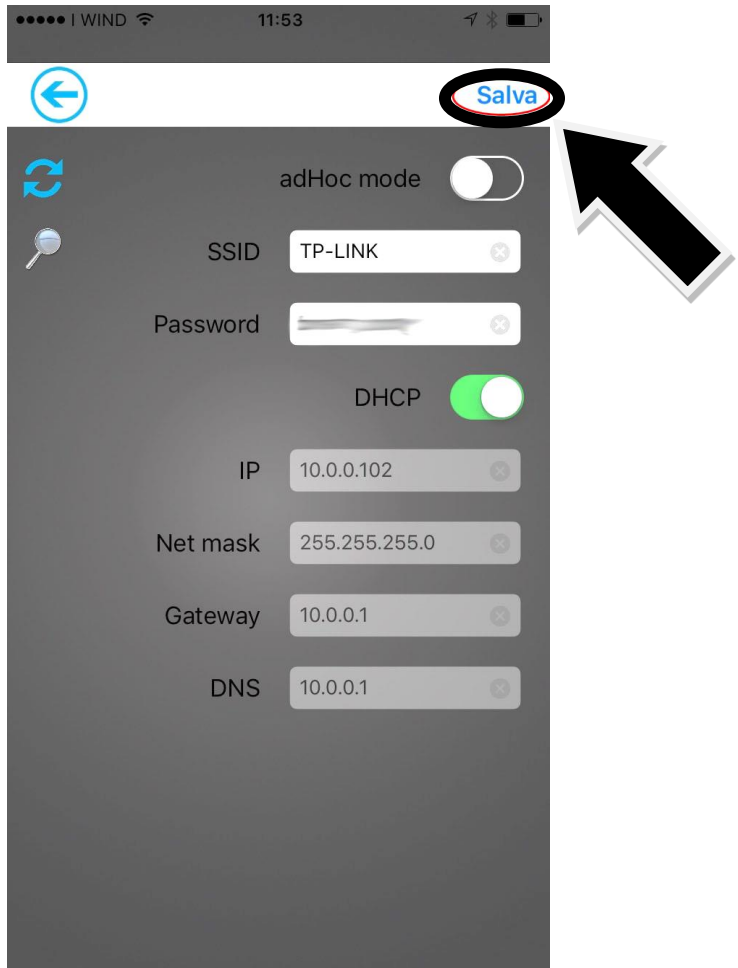


A window with the available SSID networks will open, where you will have to select your network (TP-LINK in the example below). After doing so, if the window does not close automatically, press the “Annulla” (“Cancel”) button.



Finally enter the password and press the “Salva” (“Save”) button to send the data to the WiFi module.

WARNING: if the network name or password contains more than 16 characters or there are blanks, they will not be accepted by the program. So you will need to change them.



You will then return to the update screen.

If the data is sent successfully, the WiFi module will be able to connect to your router that will assign a new IP address. So if you press the Update button, the WiFi module will appear with the same name but with different IP address (e.g., 10.0.0.106).



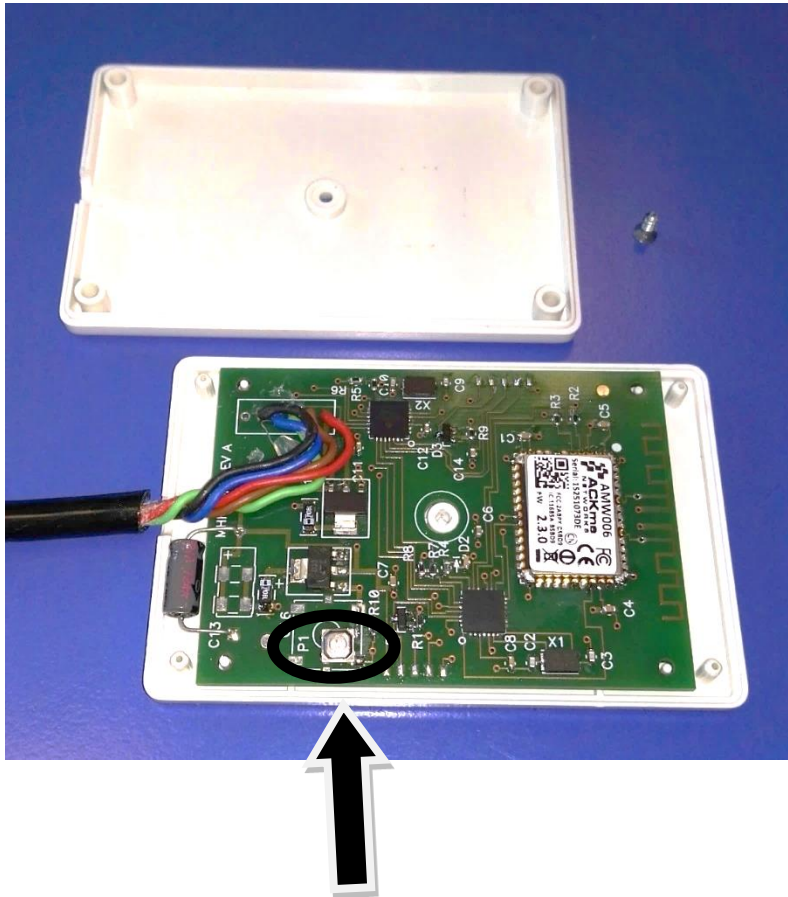
If a waiting message is displayed for more than 30 seconds, close the App, check that you are connected to your home WiFi network, restart the App and finally press the Update button again.

After updating, by selecting the module you will be able to locally control the air conditioner through the App.

If there are other WiFi modules in your flat (as in a multisplit system), you will need to perform the configuration procedure for each module.

2. _WiFi module reset

If after the initialization the WiFi module did not create its own network, press the RESET button inside the module until the LED stops to blink quickly and then release the button. The reset time is about one minute.

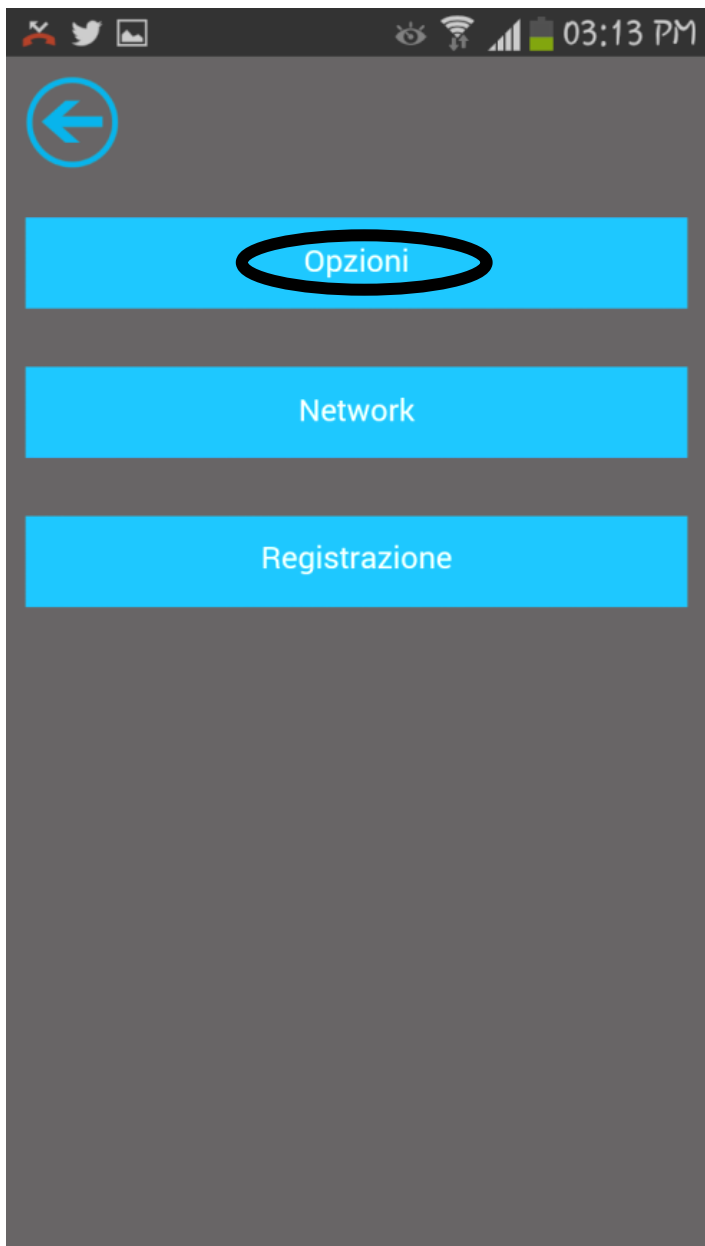


INSTRUCTIONS FOR REMOTE CONTROL

1. Enabling Internet control

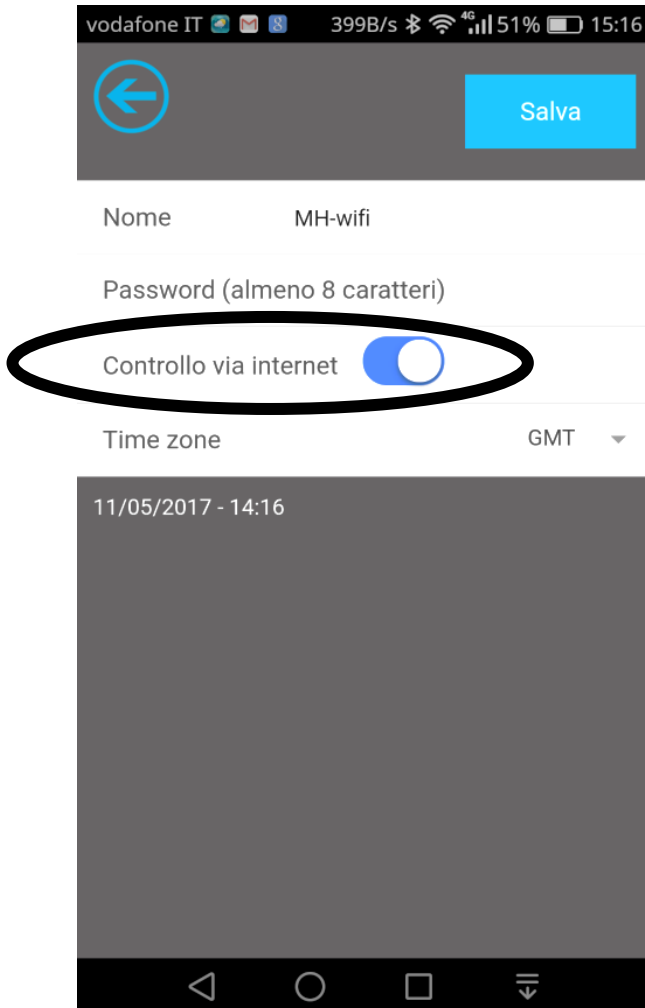
From the App's main screen, select the "Impostazioni" ("Settings") button and then the "Opzioni" ("Options") button.



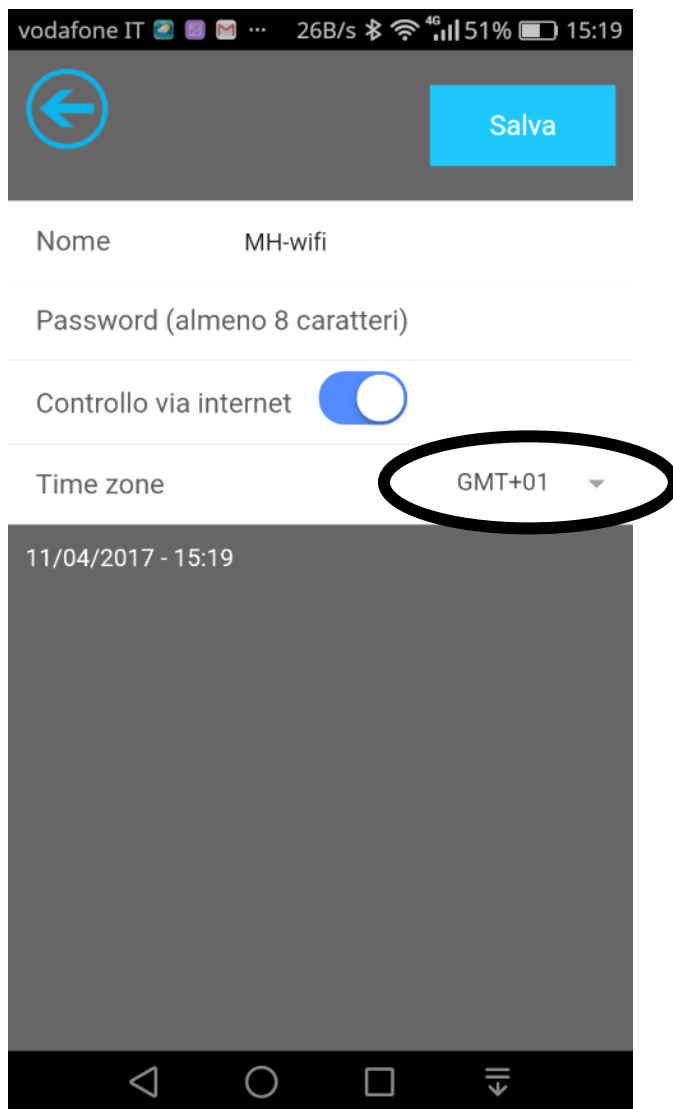


From here you can enter a name to identify the air conditioner (useful if the APP controls more than one air conditioner), and also a password (optional).

Enable the command for “Controllo via internet” (“Internet control”), by moving the cursor to the right.....



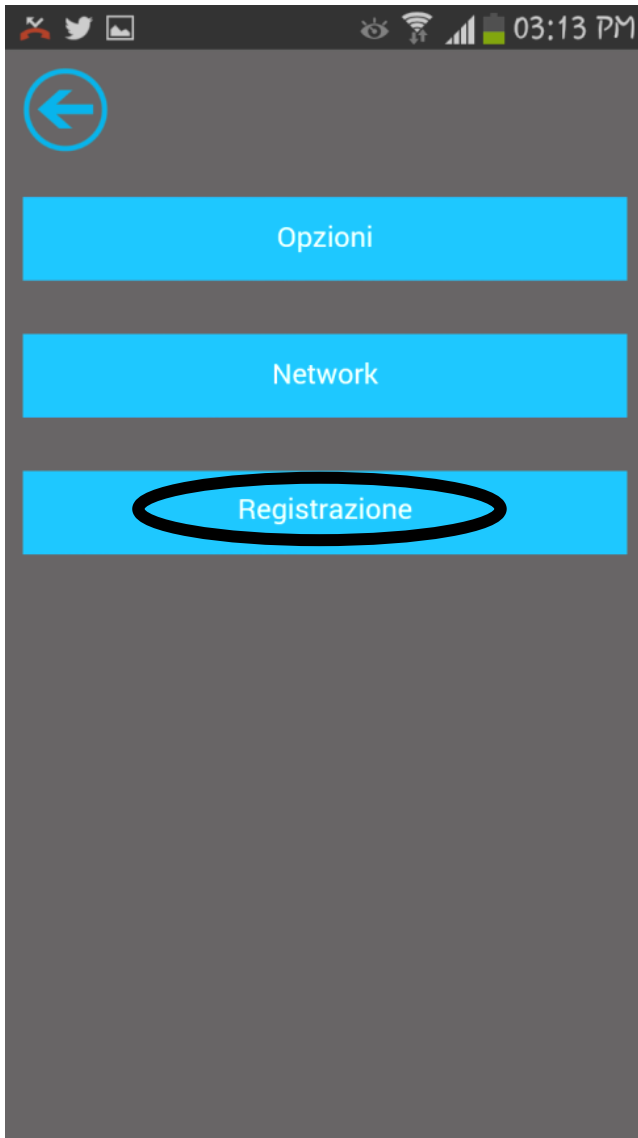
.....and set the correct Time zone according to your position (GMT+1 for Central Europe).

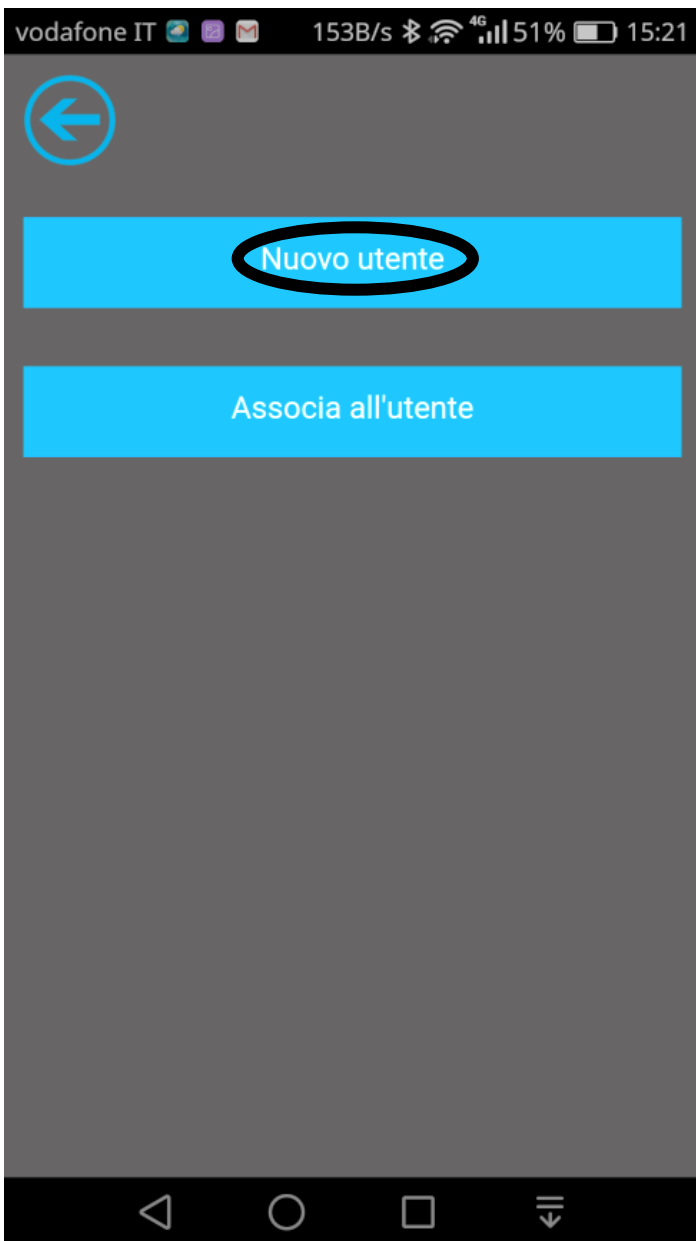


In the end, save the settings and go back to the previous screen.

2. _Registration to the Internet service

Press the “Registrazione” (“Register”) button and then the “Nuovo utente” (“New user”) button.





Create your account by filling out all the fields with the asterisk (mandatory) and then submit the data to the server by pressing the “invia” (“send”) button.

vodafone IT 0K/s 4G 51% 15:28

← Invia

Nome utente *

Password (almeno 8 caratteri) *

Conferma password *

Email *

Nome

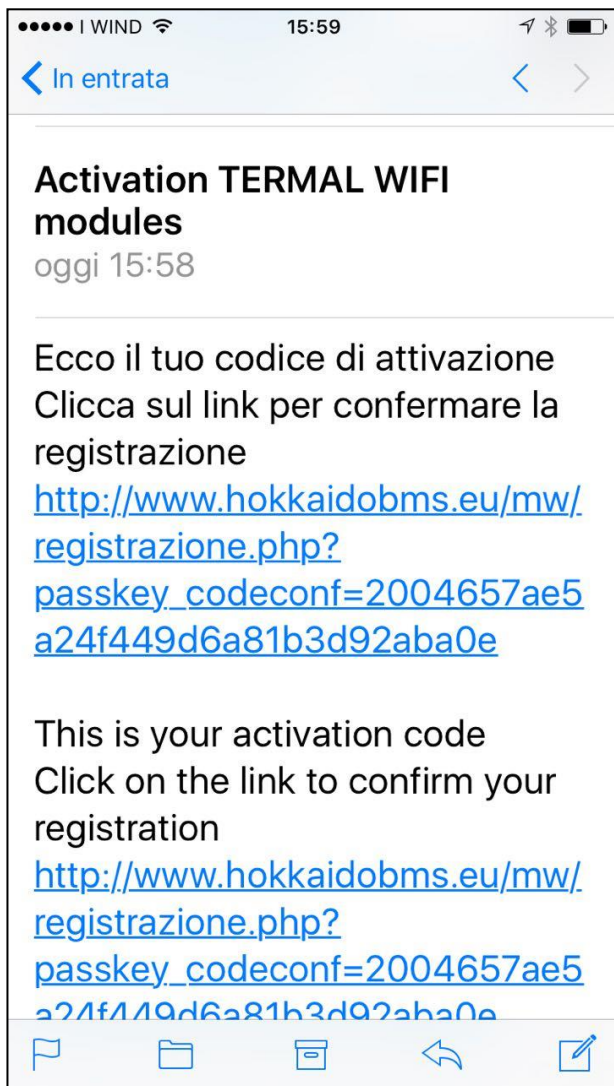
Cognome

Indirizzo

Telefono

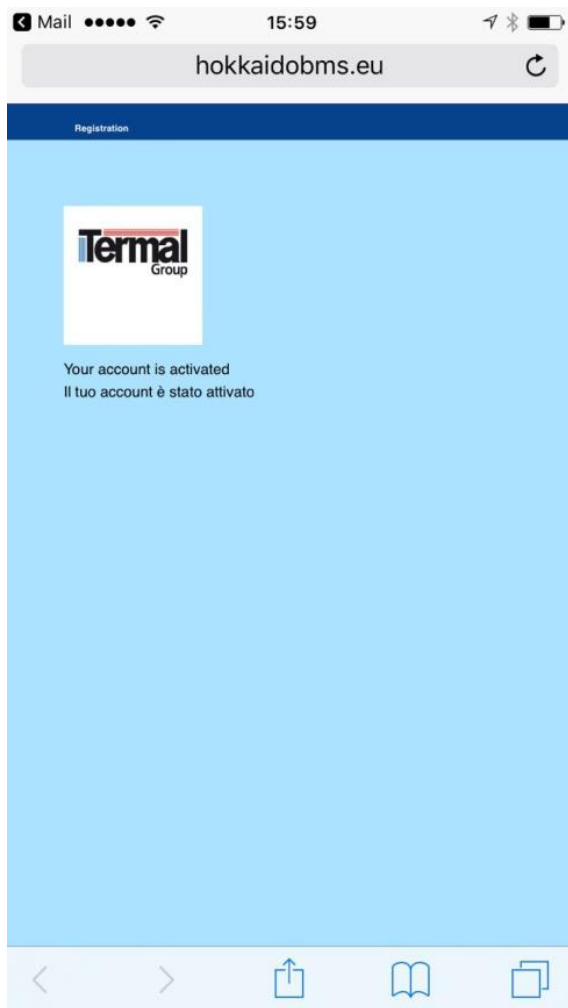
Privacy * ☐ Leggi

Check your incoming mail at the e-mail address you entered in the registration card. If the registration is successful, you will receive your activation code within a few seconds from the site
www.hokkaidobms.eu

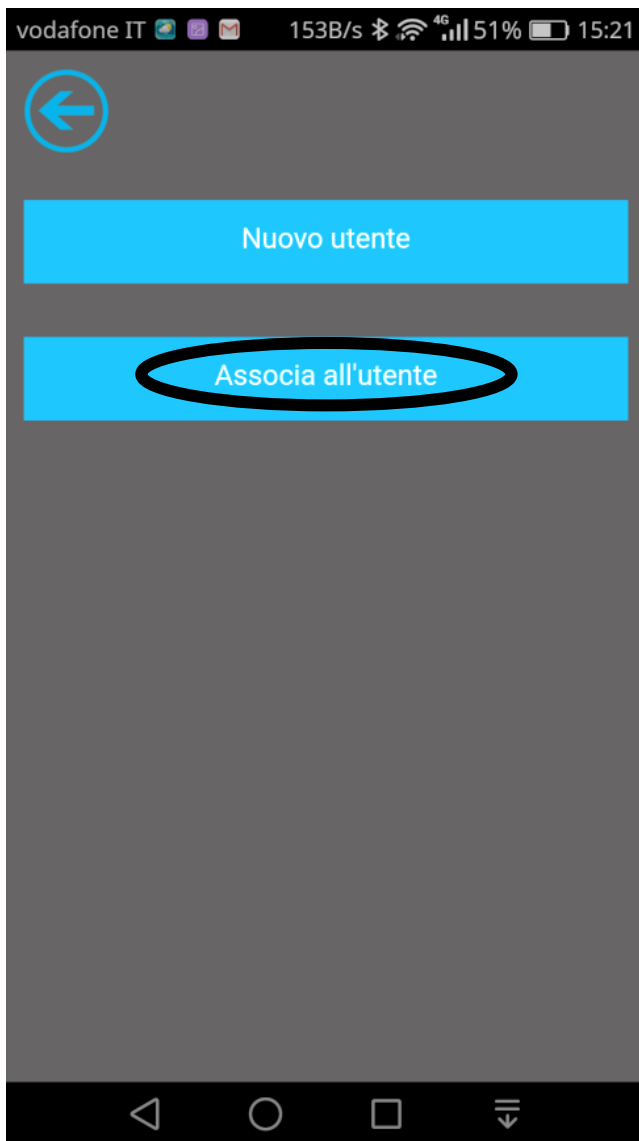


If you do not receive the e-mail, check the junk mail folder (SPAM). In case of no reception, repeat the registration using another e-mail address.

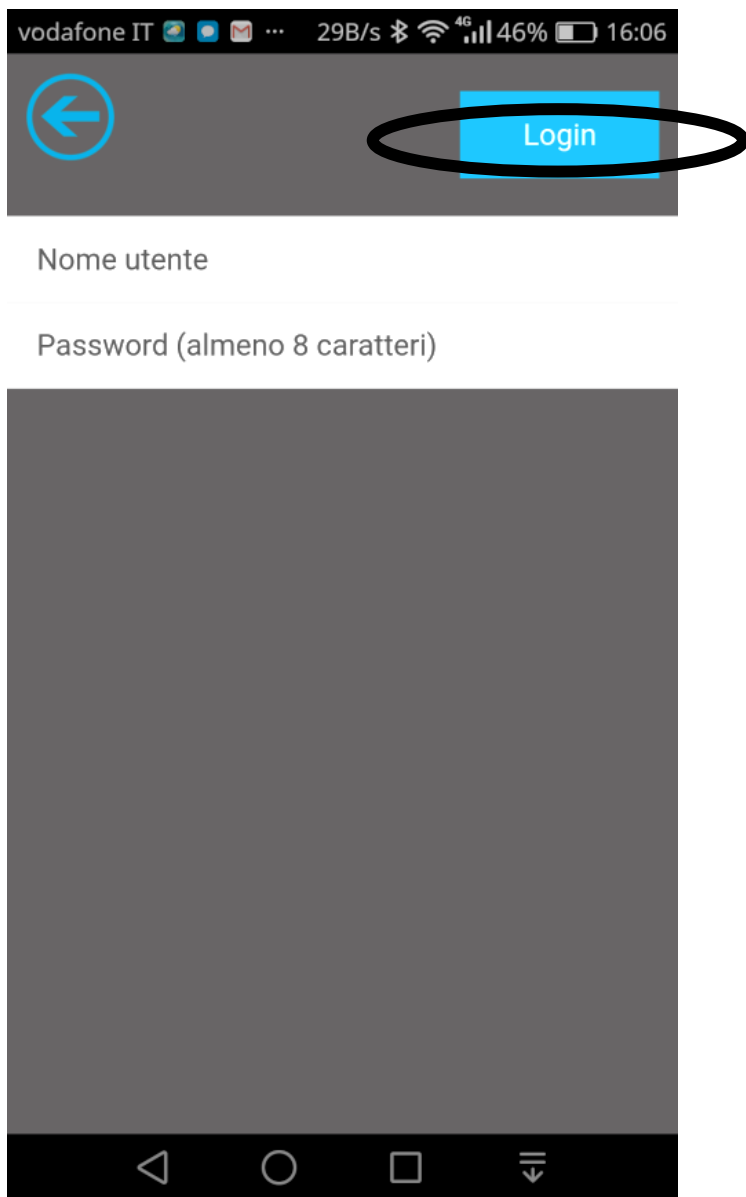
Click on the link to confirm your account registration and wait for the server to confirm.



Go back to the previous screen and select the “Associa all’utente” (“Connect to the user”) button to enable the account just created for the WiFi module’s internet control.



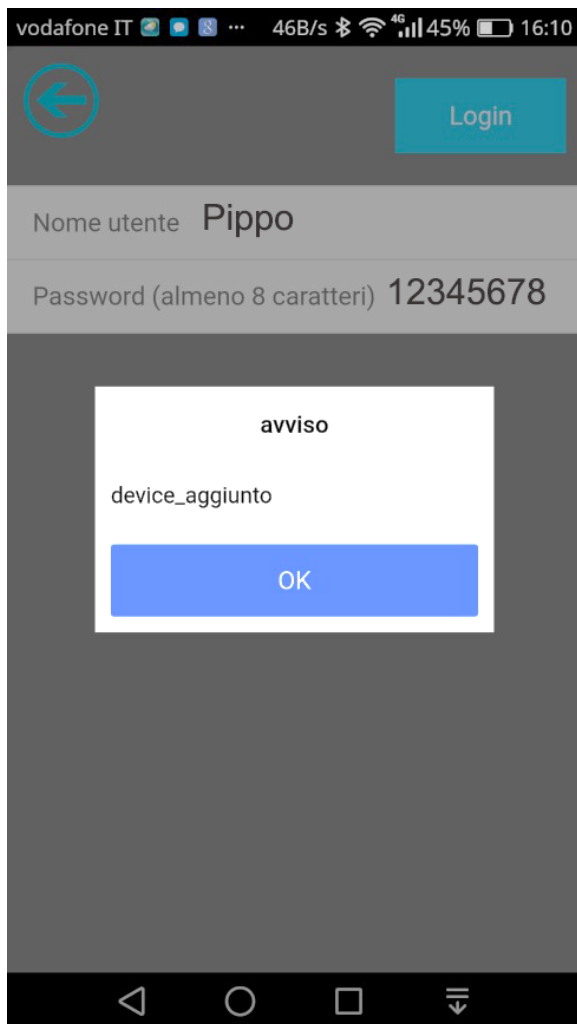
Enter the login credentials and press “Login”



A screenshot of a mobile application's login screen. The status bar at the top shows 'vodafone IT', signal strength, 4G, 29B/s, 46% battery, and the time 16:06. The app interface has a dark grey header with a blue circular back arrow on the left and a blue 'Login' button on the right, which is circled in black. Below the header are two text input fields: 'Nome utente' and 'Password (almeno 8 caratteri)'. The main content area is a large, empty dark grey rectangle. The bottom of the screen features a black Android navigation bar with back, home, and recents icons.

You will receive the notice that the account has been added, and from that moment you will be able to control the air conditioner remotely.

The same air conditioner can be controlled by more than one phone where the App is installed, but everyone will need to log in with the same account.



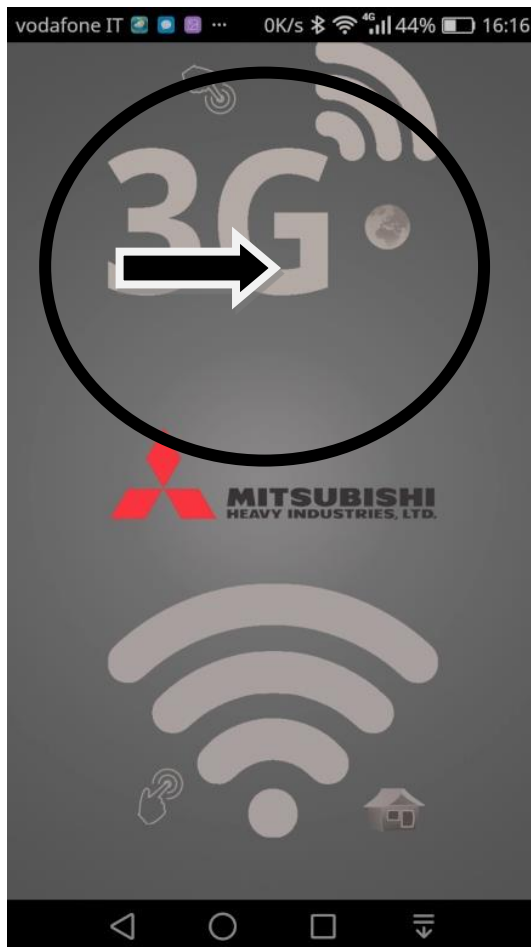
IMPORTANT: remote control settings (via server) require an implementation time of up to 10 minutes. It is possible to send up to 15 settings even at different times, e.g., ON/OFF, OPERATING MODE, FAN SPEED, TEMPERATURE etc... which will be sent all together to the air conditioner within 10 minutes.

3. _Internet control

Remote control (via internet) is only possible if a data connection (3G, 4G, etc...) is active in the phone.

To perform a test connection, proceed as follows.

Launch the APP and in the start screen select the remote connection (3G icon above).



Login in by entering the data used for registration and you will be redirected to the list of air conditioners controlled by that account.



Nuovo utente

Nome utente

Password (almeno 8 caratteri)

Login

Password dimenticata



Selezione

Ufficio MDV

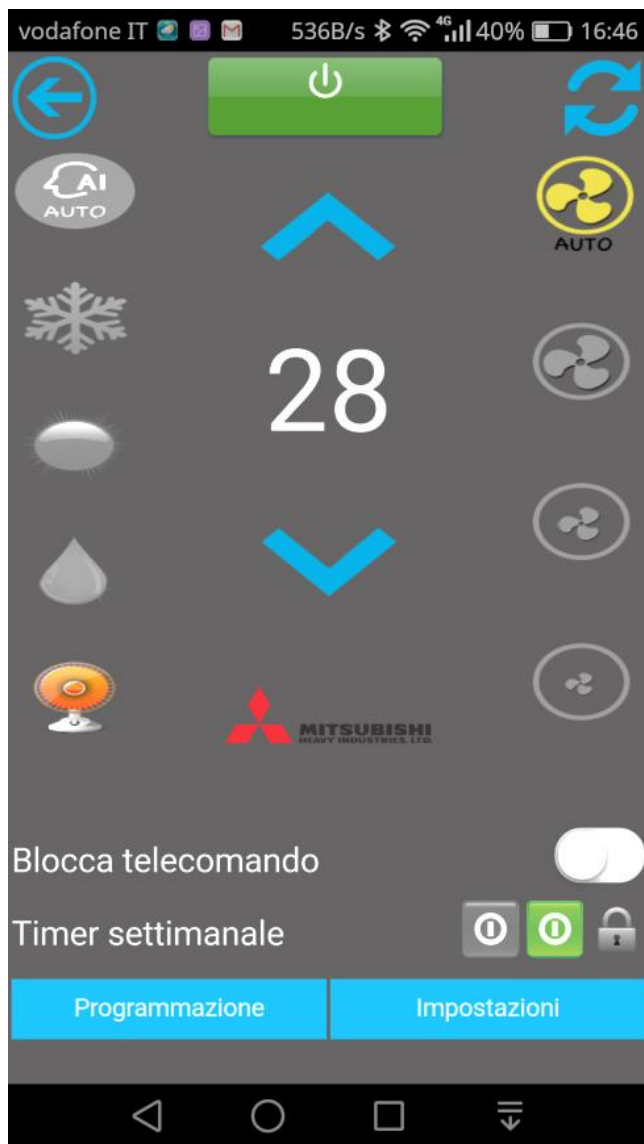
10.0.0.106

MH-wifi

10.10.10.1

Select what you want to control...(e.g., MDV Office)

..... and the control screen will appear.

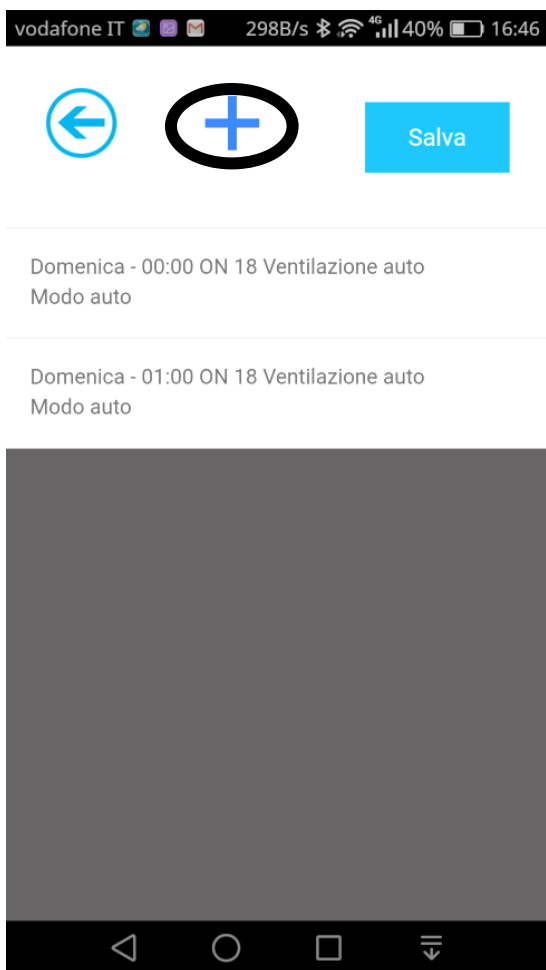


INSTRUCTIONS FOR WEEKLY TIMER

1. Timer scheduling

Press the “Programmazione” (“Scheduling”) button in the control screen.

In the next screen, press “+” to add a new scheduling



...and set day (gg), hour (hh), minutes (mm), command type (ON/OFF, temp etc...), then press “Salva” (“Save”).

vodafone IT 137B/s 4G 39% 16:48



Salva

gg

Domenica

hh

00

mm

00

ON



temp

17

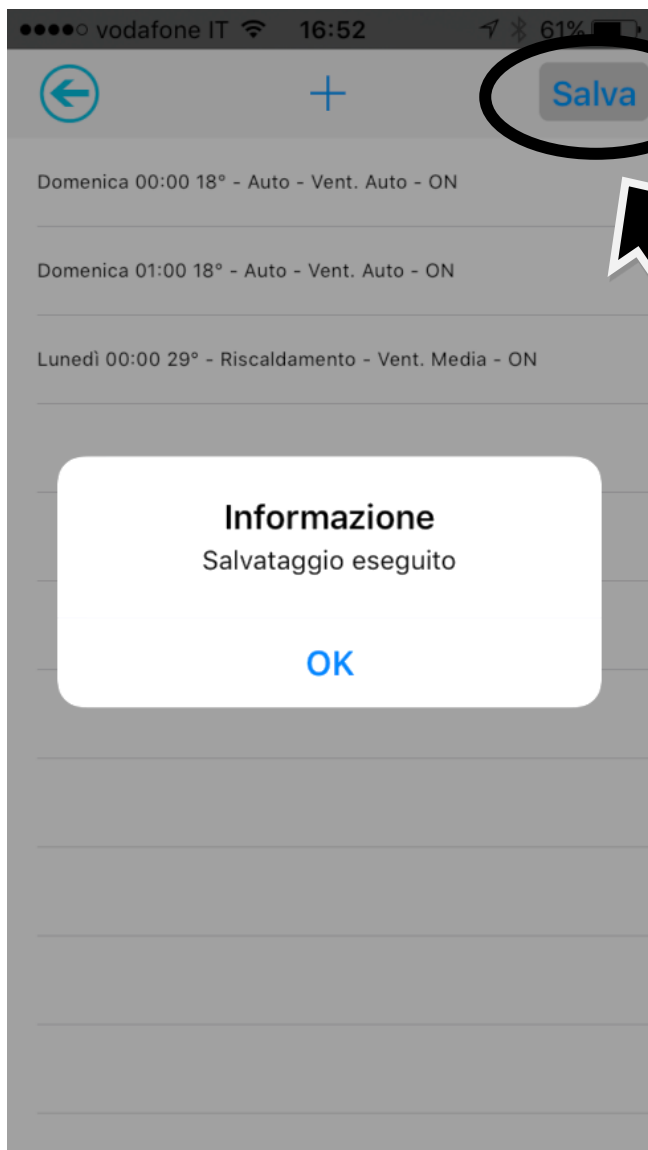
Ventilazione

Vent. Auto

Modo

Auto

In the next screen, press again “Salva” to confirm the scheduling. A window will confirm the saved setting (“Salvataggio eseguito”).



2. _Enabling/Disabling/Lock of schedulings

To DISABLE the schedulings previously set, press the RED icon related to “Timer settimanale” (“Weekly Timer”).



To ENABLE the schedulings previously set, press the GREEN icon related to “Timer settimanale” (“Weekly Timer”).



To prevent the editing of previously set schedulings, press the LOCK icon.

For example, select LOCK if you want commands sent locally or remotely to have no effect when a TIMER scheduling is active.



3. Remote controller's Lock/Unlock

Enable the command "Blocca telecomando" ("Remote controller's Lock") by moving the cursor to the right, if you want to temporarily prevent the remote controller from working.



Due to on-going technological development of the products by the manufacturer, we reserve the right to vary the technical specifications at any time without notice.

A causa della continua evoluzione tecnologica dei prodotti, ci riserviamo il diritto di variare le specifiche tecniche in qualsiasi momento e senza darne preavviso.

Avec le souci d'améliorer sa production, le constructeur se réserve le droit de modifier les spécifications techniques des produits sans préavis.

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