Manual de usuario ES

innova
renewing energies

2.0 VERTICAL

10 - 12 DC Inverter

En primer lugar, queremos agradecerle que haya elegido uno de nuestros productos.

Estamos seguros de que satisfará sus necesidades porque representa la tecnología de vanguardia en lo que a aires acondicionados de hogar se refiere.

Siguiendo las sugerencias de este manual, podrá instalar su equipo sin problemas, lo que le ofrecerá unas temperaturas óptimas con costes mínimos.

Innova S.R.L.

Este manual, código N420037A - Rev. 01 - (10/18)
consta de 28 páginas.

Conforme a:

Este producto cumple con las siguientes directivas europeas:

- Baja tensión 2014/35/EU
- Compatibilidad electromagnética 2014/30/EU
- Restricciones de uso de sustancias peligrosas en equipos eléctricos y electrónicos 2011/65/CE (RoHS2)
- Residuos de aparatos eléctricos y electrónicos 2012/19/CE (RAEE).
- Indicación del consumo de energía en las etiquetas de los productos relacionados con la energía 2010/30 / UE
- Directiva ErP 2009/125 / CE y reglamento 2012 / 20EC

Leyenda

Los pictogramas del próximo capítulo proporcionan la información necesaria para el uso correcto y seguro del dispositivo de una manera rápida y sin posibilidad de error.

Pictogramas

U Usuario
- Se refiere a las páginas que contienen información para el usuario.

I Instalador
- Se refiere a las páginas que contienen información para el instalador.

S Servicio
- Se refiere a las páginas que contienen información para el Servicio de Asistencia Técnica.

Seguridad

⚠ Warning
- Indica aquellas acciones que necesitan precaución y una preparación adecuada.

⛔ Prohibición
- Se refiere a acciones prohibidas.

Índice

ES

MANUAL DE USUARIO

1.1 Ad

⚠ Los objetos u otros obstáculos (muebles, cortinas, plantas, hojas, persianas, etc.) no deben obstruir el flujo de aire ni desde las rejillas internas ni externas.

⚠ No se recomienda colocar recipientes encima del aparato, especialmente si contienen líquido. Esto podría provocar un cortocircuito, dañar el aparato y / o exponer al usuario al riesgo de electrocución.

⚠ No se apoye contra el acondicionador o se siente sobre él ya que esto dañaría el aparato.

⚠ En caso de fuga de agua, apague el aparato y desconecte la fuente de alimentación eléctrica. A continuación, llame al servicio técnico más cercano.

⚠ En modo calefacción, el equipo elimina periódicamente el hielo que se pueda formar en la batería externa. En esta situación, la máquina sigue funcionando, pero no proporciona aire caliente. Esta fase puede durar entre 3 y 10 minutos.

⚠ El equipo no debe instalarse en habitaciones donde haya gases explosivos o donde pueda haber condiciones de humedad y temperatura que excedan los niveles máximos que aparecen manual de instalación.

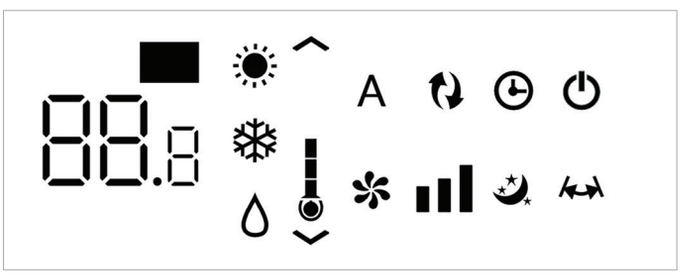
⚠ Limpie el filtro de aire regularmente.

1.2 Cómo utilizar el dispositivo con la pantalla táctil y el control remoto

1 Botón correspondiente al control remoto.
2 Botón correspondiente a la pantalla táctil.

BOTÓN/ DISPLAY:

- Punto de ajuste
- Subir
- Bajar
- Botón de on/off
- Botón bienestar (modo económico)
- Botón solo frío
- Botón solo deshumidificación
- Botón solo ventilación
- Botón solo calor (1)
- Botón solo calor (2)
- Botón bienestar noche
- Botón de dirección del flujo de aire
- Botón de control de velocidad del ventilador
- Botón de temporizador (1)
- Botón de temporizador (2)
- Sensor de brillo
- Termómetro digital; rojo en invierno, azul en verano
- No uso



Normalmente, la pantalla se muestra en estado operativo (vea "descripción de las operaciones"), también cualquier alarma (vea "mostrar alarmas").

Además, es posible seleccionar las diversas funciones presionando los iconos.

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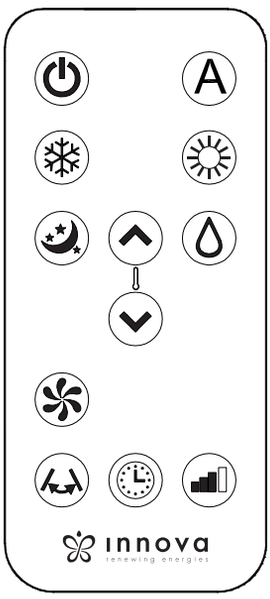

Es posible seleccionar modos distintos presionando los botones (ver sección Descripción de operaciones)

⚠ El mando a distancia incluido se ha diseñado de forma funcional y resistente, pero debe ser tratado con cuidado.

Evitar:
- Dejarlo expuesto a la lluvia, líquidos o dejarlo caer en agua.
- Golpearlo o dejarlo caer sobre superficies duras
- Dejarlo bajo el sol
- Poner obstáculos entre el mando y el equipo durante su uso.

Adicionalmente:
- Si hay otros equipos que usen mandos a distancia (TV, radios…) pueden existir interferencias.
- Lámparas electrónicas o fluorescentes pueden provocar interferencias en la comunicación entre el equipo y la máquina
- Retire las pilas del mando si no lo va a usar en una temporada larga.

Cambio de pilas

Sólo deben usar pilas de litio CR2012 3V (incluidas). Las pilas usadas deben retirarse y desecharse en los puntos de recogida de pilas según las normas de las autoridades locales para este tipo de residuos.

Para introducir las pilas abra la tapa en la parte baja del mando. Situar la pila según la polaridad y cierre la tapa después.

1.3 Descripción de las operaciones

Puesta en marcha y funcionamiento general

Para manejar el equipo con el mando a distancia o la pantalla táctil (display) el equipo debe estar conectado a la corriente y con el interruptor principal en posición On (el lugar puede señalarlo el técnico instalador).
Una vez realizadas estas operaciones se puede manejar el equipo presionando durante 3 segundos los símbolos en la pantalla táctil o mediante el mando a distancia. Para que el equipo reciba órdenes del mando, la parte superior del mando debe apuntar a la unidad interna del equipo.
La recepción de la orden se confirma con un sonido y se muestra en la pantalla. La distancia máxima para que el mando funcione correctamente es de 8 metros.

Botón	Operativa
⚠ Los botones del mando y de la pantalla realizan las mismas funciones	
	Cuando se enciende el equipo, los tres dígitos del display mostrarán el punto de ajuste
 	• Es posible ajustar ese punto entre 16 y 31ºC, el equipo llevará la temperatura ambiente a la seleccionada. ⚠ Si la temperatura se selecciona muy alta o muy baja, además de ser insalubre, es un desperdicio de energía.

Botón	Operativa
	**Poner en marcha el equipo (on/off)** Es posible encender y apagar (modo stand-by) presionando este botón. El sistema de control del equipo está equipado con memoria, por lo que los ajustes no se perderán si el equpo se apaga o si se corta la corriente. Este botón se usa para activar o desactivar el equipo por periodos de tiempo cortos. ⚠ En caso de largos periodos de inactividad el equipo debe desconectarse del enchufe principal o del enchufe.
	**Botón bienestar (modo automático económico)** Al seleccionar este modo el equipo se ajustará para conseguir un ambiente de confort. El acondicionador selecciona automáticamente la temperatura del aire (frío o calor) y la velocidad del ventilador en función de la temperatura de la habitación.
	**Modo sólo frío** • En este modo el equipo deshumidifica y enfría la habitación
	• Seleccionar temperatura deseada entre 16 y 31ºC y, si la temperatura seleccionada es inferior que la de la habitación, el compresor se pone en marcha después de tres minutos (máximo) y el aparato comienza a dispensar aire frío, manteniendo la ventilación activa incluso si se ha alcanzado la temperatura seleccionada.
	Modo sólo deshumidificación En este modo, el aparato deshumidifica la habitación. La selección de este modo es útil durante días lluviosos, cuando la temperatura es agradable, pero el exceso de humedad causa incomodidad. Este modo ignora ambos ajustes de temperatura y velocidad de ventilación. Este último siempre se establece en un mínimo. Es normal que el aparato funcione intermitentemente
	**Modo sólo ventilación** Al seleccionar esta función, el compresor nunca se activa y el aparato no afecta la temperatura ambiente o la humedad. Es posible elegir la velocidad del ventilador
	**Modo solo calefacción** • En este modo, el dispositivo calienta la habitación. ⚠ En el modo calefacción, el aparato descongela periódicamente la bobina del evaporador. Durante esta fase, el acondicionador no dispensa aire caliente.
	• Es posible configurar la temperatura deseada entre 16 y 31 ° C y, si dicha temperatura es más alta que la temperatura ambiente, el compresor se pone en marcha después de tres minutos (máximo) y el aparato comienza a dispensar aire caliente.
	**Botón de bienestar nocturno *** Mientras el aparato está encendido en el modo de enfriamiento o calefacción seleccionado, es posible elegir diferentes funciones presionando el botón para maximizar la reducción de ruido, el ahorro de energía y la regulación del bienestar nocturno. En este modo, la ventilación se establece en la velocidad mínima. En el modo frío, la temperatura se incrementa en 1°C después de 1 hora y en otro grado después de 2 horas. A partir de ahí la temperatura ya no cambia y, seis horas después, el dispositivo se pone en modo stand-by. En el modo calefacción, la temperatura se reduce en 1°C después de 1 hora y en otro grado después de 2 horas. A partir de la segunda hora la temperatura ya no cambia y, seis horas después, el dispositivo se pone en modo stand-by.

* Esta función no está disponible solo para deshumidificación, solo ventilación y modos automáticos económicos y puede cambiar de modo en cualquier momento (idealmente una vez que esté despierto) al presionar el botón nuevamente.
Si el temporizador también se ha configurado, el dispositivo se apagará a la hora establecida.

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Botón	Operativa
	**Control de velocidad del ventilador (modelos 10HP y 12HP)** Al presionar este botón varias veces, la velocidad cambiará de acuerdo con la siguiente secuencia: mínimo, medio, máximo y automático Cuanto más alta sea la velocidad, mejor funcionará el dispositivo, pero será menos silencioso. Seleccionando el modo Automático (señalado con tres barras de velocidad que se mueven hacia arriba y hacia abajo en la pantalla), el microprocesador integrado ajusta automáticamente la velocidad, para que se mantenga la mayor diferencia entre la temperatura detectada y la temperatura conjunto. La velocidad disminuirá automáticamente a medida que la temperatura ambiente se acerque a la temperatura seleccionada. Esto no es posible en modo solo deshumidificación o en el modo bienestar nocturno donde el esquipo solo puede funcionar a velocidad baja.
	**Configurar el temporizador** • El dispositivo le permite al usuario programar cuándo encenderlo y apagarlo, según sea necesario.
 	• Con el acondicionador encendido es posible programar cuándo se apaga presionando el botón del temporizador, seguido por el número de horas (de 1 a 24), después de lo cual la unidad se pondrá en espera. • Cuando la unidad de aire acondicionado está apagada, es posible programar cuándo se enciende presionando el botón del temporizador, seguido de la cantidad de horas (de 1 a 24) después de las que se encenderá.
	• Después presionar el botón para confirmar.
	**Bloqueo de teclas de pantalla táctil** • El bloqueo de teclas se activa manteniendo presionado el símbolo del temporizador en la pantalla táctil durante tres segundos. El usuario no puede realizar ninguna acción. El símbolo de espera parpadea cada segundo. • Para desactivar el bloqueo, mantenga el símbolo del temporizador en la pantalla táctil presionado tres segundos ⚠ ¡El bloqueo permanece activo en caso de una falla de energía y también si se usa el control remoto!

1.4 Setting cool only or heat only modes

It is possible to deactivate the heating or the cooling modes following a simple procedure.
Keep the A key on the touch-screen display pressed for 5 seconds until HC (heating and cooling) appears on the display.
Press the A key for 1 second to switch to the CO (cooling only) mode.
Press the A key again to switch back to HO (heating only) mode.
Wait for 3 seconds without touching anything to memorise the setting and return to normal operations.

1.5 Brightness regulation

The display brightness sensor can be disabled (leaving the maximum brightness at all times) by pressing and holding the night button ( ) for 10 seconds. "ds" (disabled) or "En" (enabled) will appear on the display.

1.6 Touch-screen display key lock

The key lock is activated by keeping the Timer symbol on the touch-screen display pressed for three seconds.
The user cannot perform any actions.
The stand-by symbol flashes every second.

To deactivate the lock, keep the Timer symbol on the touch screen pressed for three seconds once again.
The lock remains active also for the next operations performed via remote control and in the event of a power failure.

1.7 Hotel function

Press and hold the air exchange key ( ) for 10 seconds to enable the function ("En" displayed); the dehumidification and Auto functions are disabled (leaving active only ventilation, heating and cooling) and the settable set range is reduced from 22 to 28 in cooling mode and from 16 to 24 in heating mode).

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1.8 Suggestions for power saving

- Always keep the filters clean (see maintenance and cleaning chapter).
- Keep the doors and windows of the rooms to be air conditioned closed
  Do not let direct sunlight to enter the room (use curtains or lower the blinds or close the shutters)
- Do not block the air flow paths (input and output) of the unit; this, as well as causing a non-optimal performance of the unit, will jeopardise the correct operation of the same and may cause irreparable damage to the units.

1.9 Diagnosis of problems

For the User it is very important to distinguish any inconveniences or abnormal operation of the unit compared to its normal operation. Also, the most common problems can be easily solved by means of simple operations performed by the User (See paragraph: Troubleshooting), while for some alarms signalled on the display, it is necessary to contact Customer Service.

⚠ We also remind you that any attempt to repair the unit on part of unauthorised technicians will void the warranty immediately.

Operating aspects that should not be interpreted as problems

- The compressor will not restart before a certain time has passed (about three minutes from the previous stop). It is not possible to stop and restart the compressor without waiting at least three minutes. This is provided for in the operating logic of the unit, so as to protect the compressor from frequent activations.
- During operation in heating mode, the warm air is delivered a few minutes after the activation of the compressor. If the fan started at the same time as the compressor, in the first minutes of operation the air delivered would be too cold (which may disturb the occupants of the room) since the unit is not yet ready.

Open CP contact

If the presence contact is not closed, the appliance will not start and the **CP**alarm appears on the display.

Evacuation of condensate water in the event of an emergency

Should any anomaly occur in the condensation water system, the maximum level float blocks the conditioner and the **OF** code appears on the display.
During cooling and dehumidification, electronics keeps the water distribution system active with the battery - together with the fan - to disperse excess water in the container.
If the problem persists, please contact the assistance service.
During heating, condensation should drain freely through the specific pipe. In the event of an alarm, check that the condensation pipe is not bent or obstructed, thus preventing the water from flowing out.

Using the unit if the remote control is not available

If the remote control has been lost, the batteries are exhausted or it no longer works, the unit can be operated by using the keys on the touch screen display on the machine.

Troubleshooting

In the even of a malfunction, please refer to the following table. If, after performing the suggested checks, the problem is not solved, please contact the authorised technical assistance.

Fault	Possible causes	Solution
The appliance doesn't switch on	No power supply	Check there is power supply (by turning a light on, for example).
		Check that the thermal-magnetic circuit breaker used exclusively to protect the appliance has not been tripped (if it has, reset it). If the problem repeats immediately, please call the Service Centre and avoid trying to make the appliance work.
	Remote control batteries have run out	Check that the appliance can be turned on using the touch-screen display and substitute the batteries.
The appliance does not cool/heat adequately.	The temperature set is too high or too low.	Check and adjust the temperature, if necessary.
	The air filter is clogged	Check the air filter and clean it if necessary
	Check that there are no other obstacles to the air flow both inside and outside.	Remove anything that might block the air flow.
	The heating and cooling load has increased (for example, a door or a window has been left open or an appliance has been installed in the room which generates a lot of heat).	Try to reduce the heating and cooling load of the room following instructions below: • Cover large windows exposed to sunlight with curtains or with external maskings (blinds, porches, reflecting films, etc.); • The air conditioned room must remain closed for as long as possible; • Avoid turning on halogen lamps or other high energy consumption appliances such as small ovens, steam irons, hot plates etc.).

Display alarms

An alarm code appears on the display in the event of faults. Some of the functions, however, remain active (see FUNCTIONING column).

Alarm	Cause	Operation
E1	Faulty room temperature RT sensor	It is still possible to activate Cooling, Dehumidification and Heating modes. It only monitors the antifreeze function of the internal coil.
E2	Faulty internal coil IPT sensor	It is still possible to activate Cooling, Dehumidification and Heating modes.
E3	Faulty outside temperature OT sensor	It is still possible to activate Cooling, Dehumidification and Heating modes.
E4	Faulty external coil OPT sensor	It is still possible to activate Cooling, Dehumidification and Heating modes. Defrosting is performed at fixed times.
E5	Faulty internal fan motor	None of the modes can be activated.
E6	Faulty external fan motor	None of the modes can be activated.
E7	Lack of communication with the display *	None of the modes can be activated.
E8	Compressor discharge probe failure	None of the modes can be activated.
CP	Open CP contact	The appliance only works if the contact is closed. Check that the clamps are connected.
OF	Maximum level float intervention	During cooling and dehumidification, electronics switches the compressor off and keeps the water distribution system active with the battery - together with the fan - to disperse excess water. During heating, condensation should drain freely through the specific pipe. In the event of an alarm, check that the condensation pipe is not bent or obstructed, thus preventing the water from flowing out.

* for models 10 and 12 HP DC Inverter: lack of communication between the main, power, driver or display boards

The only way to solve the problem is to disconnect and reconnect the appliance. If the alarm still appears, please contact the authorised technical assistance.

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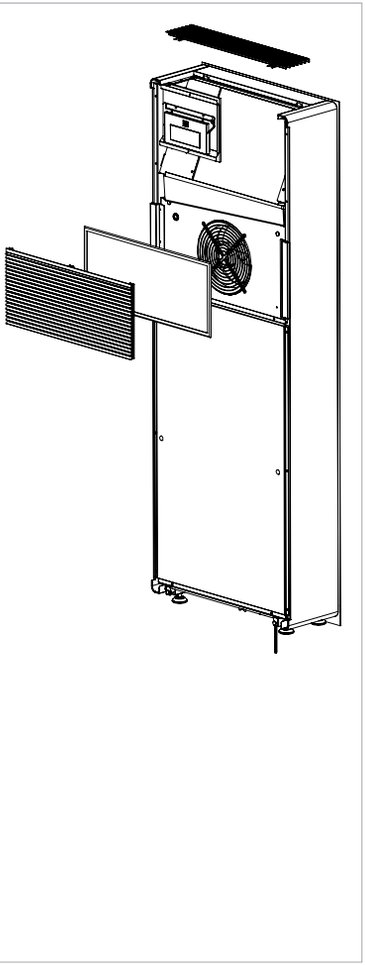
1.10 Technical specifications

Please read data plate to obtain the technical data listed below.

- Power supply voltage
- Maximum absorbed power
- Maximum absorbed current
- Amount of refrigerant gas
- Casing protection rating

	U.M.	10 HP DC Inverter	12 HP DC Inverter
Technical specifications			
Cooling power (1)	kW	2.04	2.35
Power in max cooling mod. Dual Power	kW	2.60	3.11
Power in min cooling mod. Dual Power	kW	0.81	0.92
Heating power (2)	kW	2.10	2.36
Heating power (3)	kW	0.98	1.11
Additional power electrical resistance	kW	/	/
Power in max heating mod. Dual Power	kW	2.64	3.05
Power in min heating mod. Dual Power	kW	0.68	0.79
Power absorbed when cooling (1)	W	750	855
Power absorbed when heating (2)	W	675	750
Dehumidification capacity	L/h	0.8	0.9
Power supply voltage	V-F-Hz	230-1-50	230-1-50
EER	W/W	2.72	2.75
COP	W/W	3.10	3.15
Energy efficiency class when cooling		A	A
Energy efficiency class when heating		A	A
Internal-external ventilation speed	No.	3	3
Internal/external air flow at max speed	m³/h	380/460	400/480
Internal/external air flow at medium speed	m³/h	310/380	320/390
Internal/external air flow at min speed	m³/h	260/330	270/340
Dimensions (WxHxD)	mm	500x1398x185	500x1398x185
Weight including packaging	kg	53.0	53.0
Sound pressure level (min-max) (4)	dB(A)	26/39	27/41
Unit sound power level inside (min-max) (5)	dB(A)	44/57	45/58
Wall holes diameter	mm	162	162
Wall holes distance	mm	293	293
Refrigerant gas		R410A	R410A



* with Dual Power function activated during heating

Reference conditions

		Room T	External T
(1)	Cooling mode tests (EN 14511)	DB 27°C - WB 19°C	DB 35°C - WB 24°C
(2)	Heating mode tests (EN 14511)	DB 20°C - WB 15°C	DB 7°C - WB 6°C
(3)	Heating mode tests	DB 20°C - WB 15°C	DB -7°C - WB -8°C
(4)	Internal side sound pressure measured in semi-anechoic chamber at a distance of 2 m.		
(5)	Internal side sound pressure measured in accordance with regulation EN 12012		

Operating limits

	Internal ambient temp.	External ambient temp.
Maximum operating temperature in cooling mode	DB 32°C	DB 43°C
Minimum operating temperature in cooling mode	DB 18°C	DB -5°C
Maximum operating temperatures in heating mode	DB 25°C	DB 18°C
Minimum operating temperatures in heating mode	DB 5°C	DB -10°C

1.11 Periodic Maintenance

The air conditioner you have bought has been designed to keep maintenance operations to a minimum, in fact, they only include the following cleaning operations:

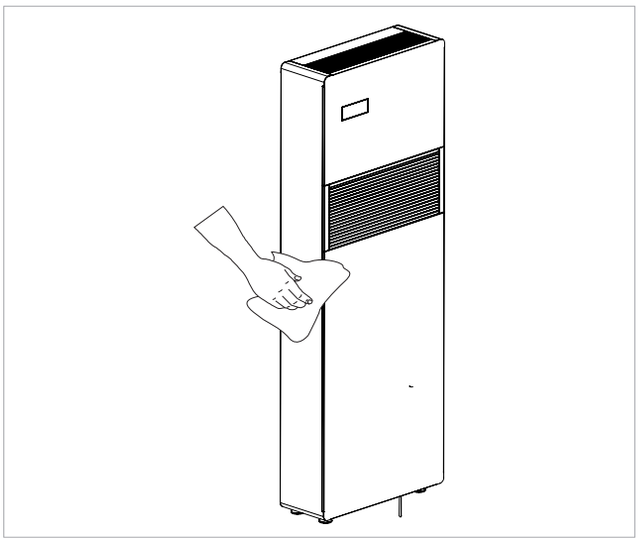
External cleaning

⚠ Disconnect the unit from the power supply before each cleaning and maintenance intervention by setting the main power supply switch to off.

⚠ Wait for the components to cool down in order to avoid any burns.

⚠ Do not use abrasive sponges or abrasive or corrosive detergents as you might damage the painted surfaces.

When necessary, clean the external surfaces with a soft damp cloth.



Cleaning the filters

The air conditioner you have bought has been designed to keep maintenance operations to a minimum, in fact, they only include the following cleaning operations:

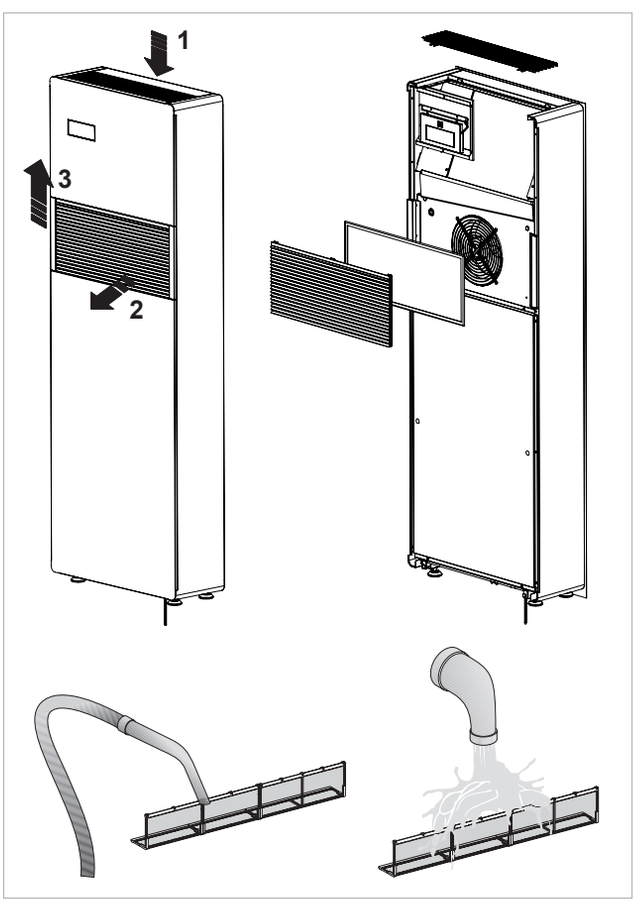
- Clean the air filter after a period of continuous use and according to the concentration of impurities in the air, or when you wish to start-up the appliance after a period of inactivity.
  The filter is located in the top part of the appliance.

To extract the filters:

- open the grid and remove it;
- extract the filters by lifting them;
- remove the dust from the filter with a vacuum cleaner or by washing it in running water without using detergents or solvents and leave to dry;
- put the filters back on top of the batteries, taking care to position them correctly;
- put the grid back.

⚠ After filter cleaning check if the panel is properly mounted.

⛔ It is forbidden to use the device without its mesh filter.



INNOVAPP OPERATION

InnovApp TwoPointZero

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2.1 Minimum system requirements

The INNOVA TwoPointZero App lets you manage the main parameters of your air conditioner using a smartphone and tablet or with a specific desktop version conveniently from home or when you are out. Using our App is very simple. Just switch on the air conditioner display, set up the connection with your smartphone and begin managing the air conditioner directly from your device.

Follow the step by step guide all the way to the end.

To download and install the app, there are some operating system version requirements for your smartphone:

- for Android smartphones, the minimum version is 4.1.1
- for Apple smartphones, the operating system must be IOS 8.0 or higher.

2.2 Downloading and configuring the APP

1. From your smartphone, connect to the Apple Store or Google Play.
2. Search for InnovApp TwoPointZero
3. Download the App onto your smartphone, following the installation wizard to install it.
4. Open the App

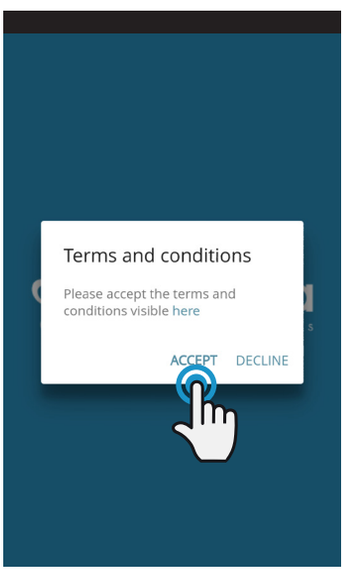


Figure 2-1

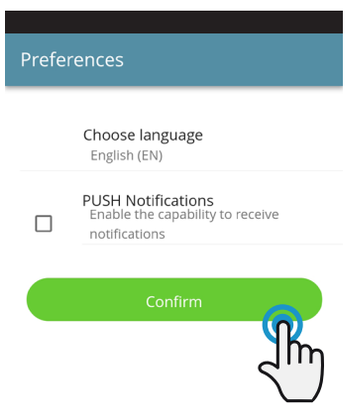


Figure 2-2

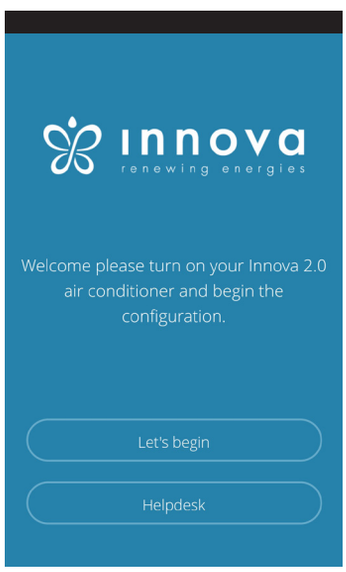


Figure 2-3

At the first launch, a pop-up appears for acceptance or refusal of the terms and conditions of use, which can be consulted by tapping on the word “here”, therefore accessing the INNOVA website. (Figure 2-1)

Tap “Let’s get started” to begin using InnovApp TwoPointZero.

Select the language and the PUSH notification management method.
Tick the “PUSH notifications” preference to receive alarms connected to the air conditioner’s operation on your smartphone even when the App is closed. (Figure 2-2)

Note: These settings can also be changed later by selecting the “Preferences” menu item.

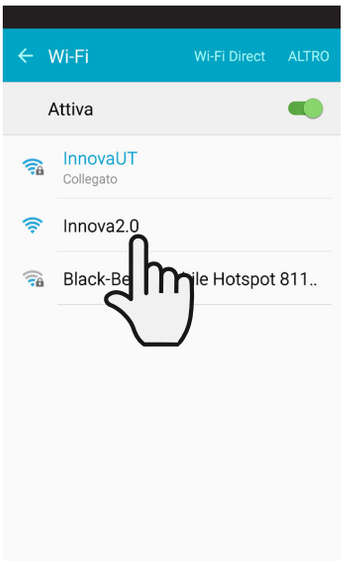


Figure 2-4

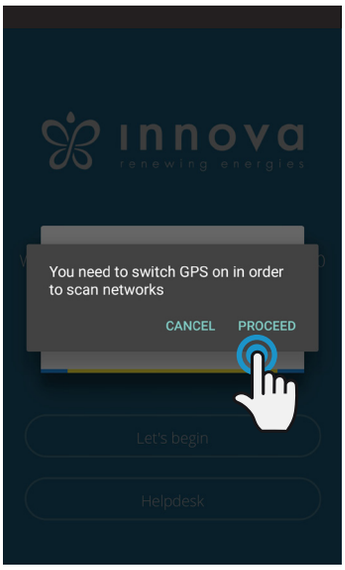


Figure 2-5

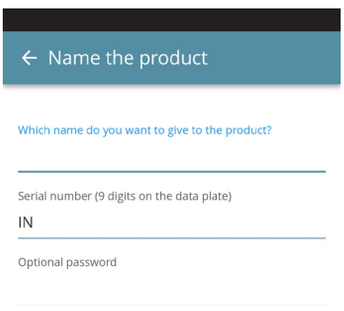


Figure 2-6

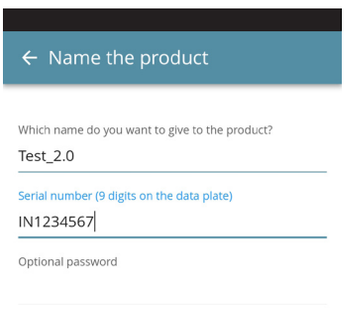


Figure 2-7

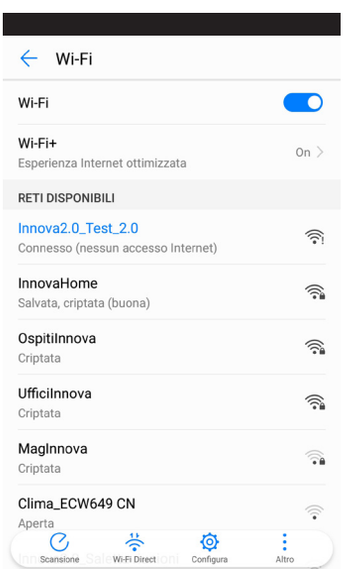


Figure 2-8

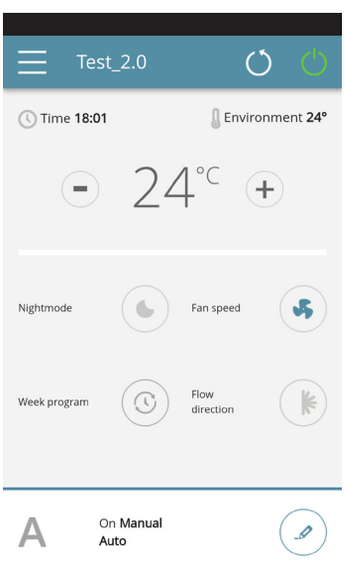


Figure 2-9

After switching on the display of your air conditioner, go to your telephone's WiFi settings:

1. ensure that you have activated WiFi
1. check the available WiFi connections
1. find the Innova 2.0 network
1. connect to it.

Note: with Android devices, this procedure is automatic. With iOS devices, you must enter the WiFi settings of your device and select the "Innova2.0" network.

Note: If there are several air conditioners to configure, switch on one at a time in order to prevent errors.

Note: If the App asks you to be connected to the position, to accept for facilitating the search of the conditioner. (Figure 2-5)

The product screen appears (Figure 2-6) where you can assign a name and indicate the unit's serial number, made up of 9 alphanumeric characters on the air conditioner's data plate (see section 1.11 on page 11).

A password can be set for the Innova 2.0 network in order to protect against management of your product by unauthorised users.

Note: For iOS devices, after entering the name of the product, the WiFi network name also changes automatically.
For iOS devices, once the name has been edited, you must therefore go back to your telephone's WiFi settings and connect to the renamed network "Innova2.0" followed by _ and the name that you have just established, for example "Innova2.0_Test_2.0"). (Figure 2-8)

Note: The device name can also be changed later by accessing the menu item "My Products" and tapping on the second icon (pencil symbol).

When one of the configured products is selected, the general air conditioner control screen appears, through which it can be controlled and managed. (Figure 2-9)

Note: From this moment on, your smartphone becomes the remote control that you use to control the air conditioner over the local network, but not over the Internet.
In order to do this, you must complete another step: connect to your home WiFi, accessing your smartphone's settings and then select the "Remote Control" menu item.

2.3 App features

2.4 General control screen

ES

GENERAL CONTROL SCREEN
of the air conditioner

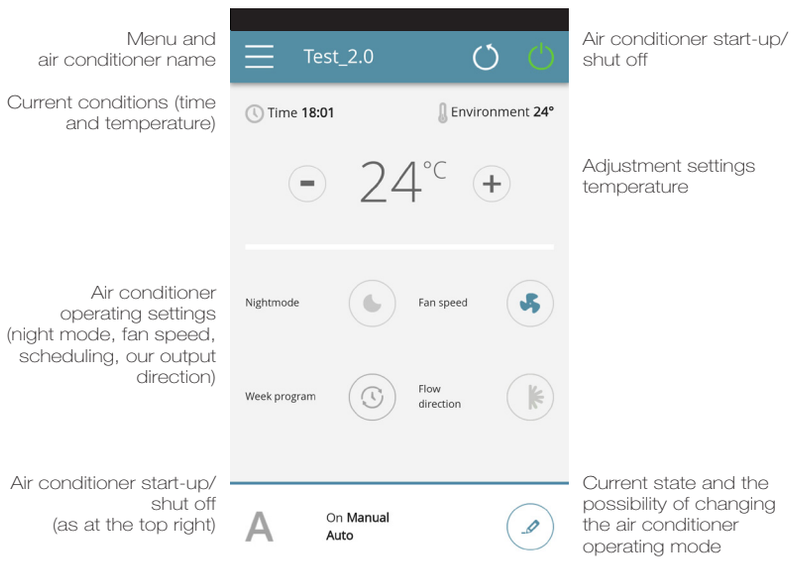


Figure 2-10

2.5 Menu

MENU
menu items

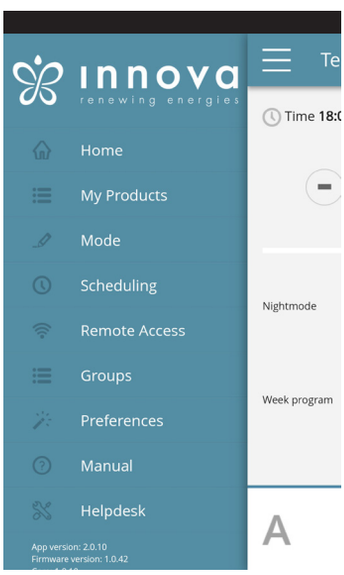


Figure 2-11

HOME
general control screen
(Figure 2-10)

MY PRODUCTS
list of the air conditioners and groups of air conditioners configured in the App

MODE
list of possible air conditioner management modes (manual, automatic, night, scheduled,...)

SCHEDULING
section dedicated to the weekly scheduling of the air conditioner.
Note: this is possible only if remote control has been configured

REMOTE ACCESS
visible only when the device is configured in standalone mode and used to move to the cloud

ADVANCED
visible only when the device is configured in cloud mode and allows DHCP / IP configuration of the network

GROUPS
list of groups of several air conditioners (e.g. 1st floor, 2nd floor,...).

PREFERENCES
language and PUSH notifications

MANUAL
link to the INNOVA website where you can find the necessary documentation
www.innovaenergie.com/en/documents-products-airconditioners-innova/manuals/

HELPDESK
to ask for support

2.6 My Products

MY PRODUCTS

list of the air conditioners and groups configured in the App

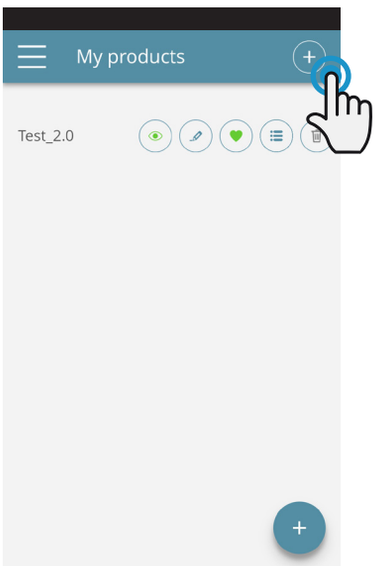


Figure 2-12

Figure 2-13

By selecting the "My Products" item, you can see the air conditioners on the network. They can be edited and/or scheduled as desired.

New devices can be added, searching for, installing and configuring them tapping on the **+** symbol in the top right corner and/or at the bottom right.
This will open the screen as illustrated in Figure 2-13.

When you select one of the configurated products, appears the general air condition control screen, through which it can be controlled and managed.

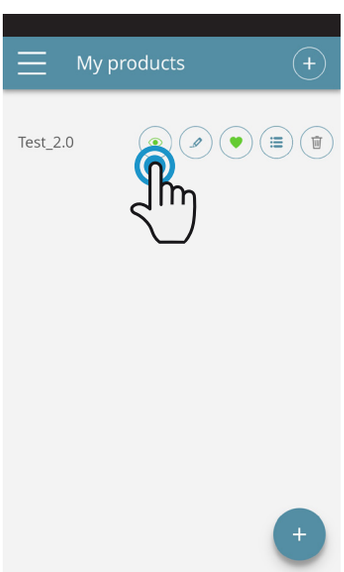


Figure 2-14

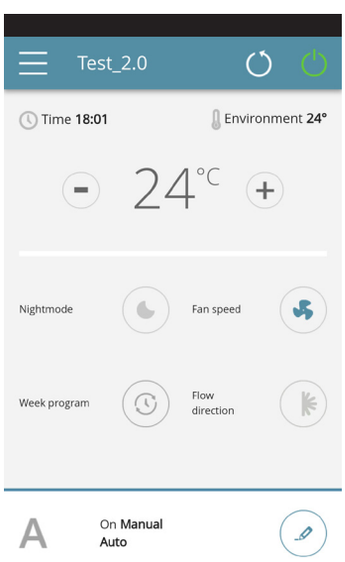


Figure 2-15

View the general control screen of the device (if configured as standalone it will automatically connect to your network)

Change the device name (only if connected to the WiFi network of the same)

Set your device as a favorite (the default device will be displayed when the app starts)

List of devices

Delete the device from the list of configured devices

ES

2.7 Mode

MODE
list of possible air conditioner management modes

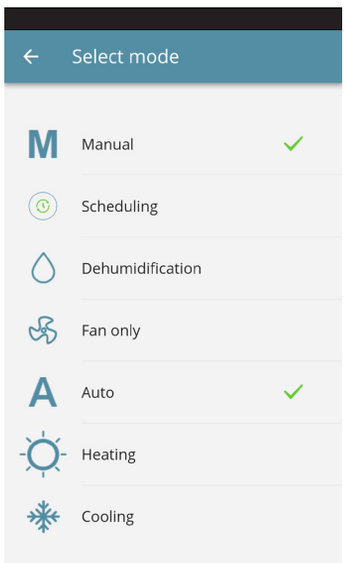


Figure 2-16

The air conditioner operating mode can be changed in several ways:

- selecting "Mode" in the general menu

- clicking on the change button at the bottom right of the air conditioner general screen (see section 2.4 on page 15).

This provides access to the screen illustrated in Figure 2-16.

2.8 Scheduling

SCHEDULING
section dedicated to the weekly scheduling of the air conditioner

Note: this option is possible only if remote control has been configured (see section 2.9 on page 19 to enable remote control).

By selecting the "Scheduling" item, you access the air conditioner calendar scheduling feature. (Figure 2-17).

By clicking "edit" on a day of the week, you can add and define one or more start-up and shut-down periods for the air conditioner during that day, clicking on the "+" symbol. (Figurae2-18).

Note: Schedule several start-up/shut-down periods with a minimum duration of half an hour on the same day.

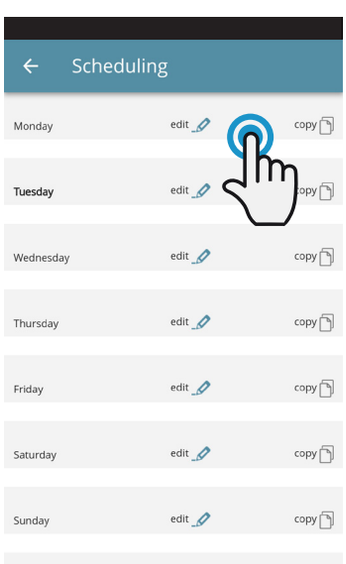


Figure 2-17

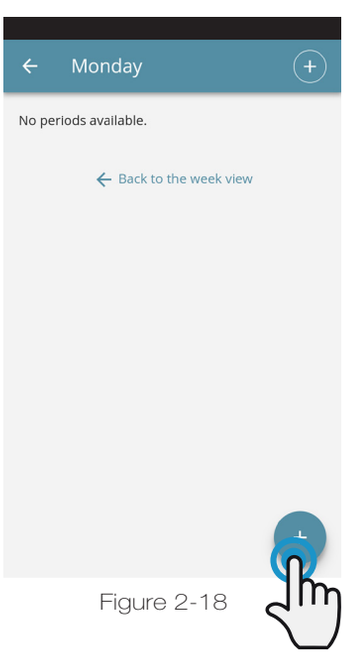


Figure 2-18

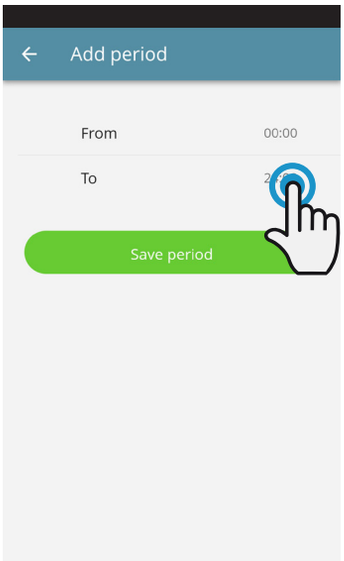


Figure 2-19

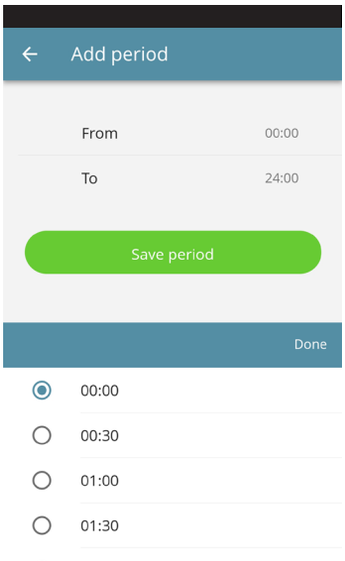


Figure 2-20

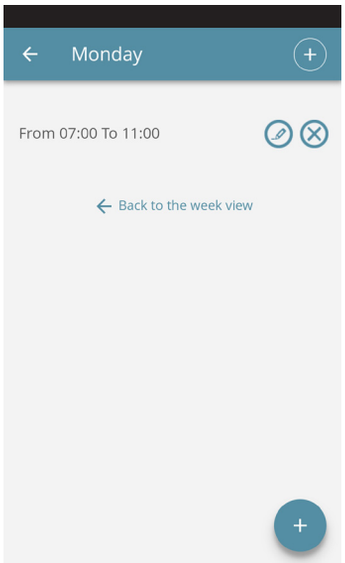


Figure 2-21

To change the switching on or off period, click on one of the two times (Figure 2-19).

Once scheduling of a day has been confirmed, you will be returned to the screen with the list of the days of the week. (Figure 2-22)

If you want to apply the same schedule that you have just confirmed for other days, simply click "copy" and select the days where you want to apply this schedule (as illustrated in the sequence of example figures shown below).

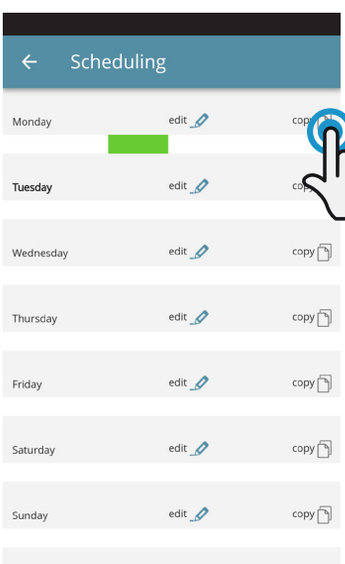


Figure 2-22

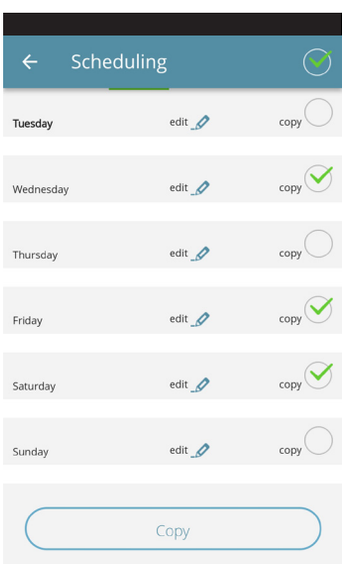


Figure 2-23

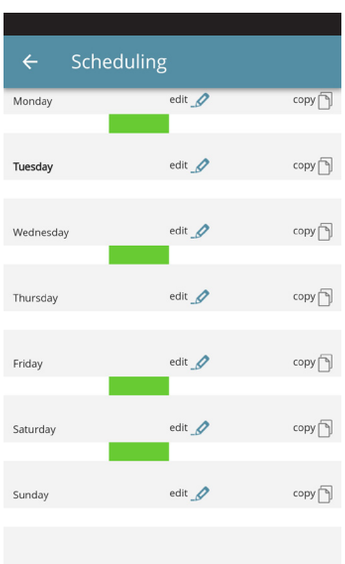


Figure 2-24

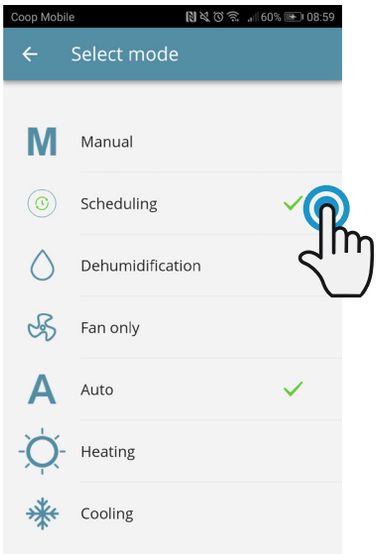


Figure 2-25

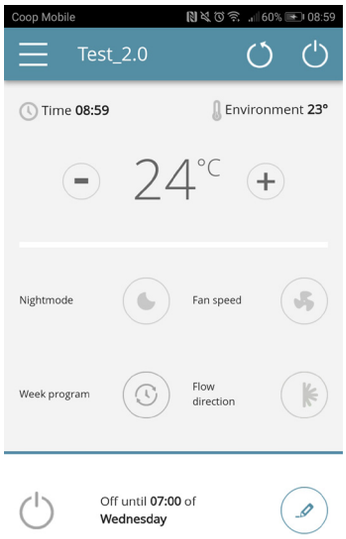


Figure 2-26

After completing scheduling, select the “Mode“ item in the general menu, then “Programming“. This activates the weekly program you just created.

Returning to the air conditioner's main screen (Figure 2-26), on the lower part, there are the indication of the scheduling.
If you was in the scheduled shut-down time, the time of the first air conditioner restart will be showed in the lower part.

To deactivate scheduling and return to manual mode:

- select "Mode" in the general menu and then "Manual".

- clicking on the edit icon at the bottom right of the air conditioner general screen.

Note: If the settings are changed on the air conditioner display, scheduling is disabled and manual mode is resumed.

If the air conditioner is in a place that is open to the public, where it cannot be monitored, the display screen lock can be enabled in order to prevent unauthorised people from changing the settings.

Simply press and hold the Timer symbol on the air conditioner display for 10".
To go back to editing the air conditioner settings from the display, press the timer icon again for 10".
.

2.9 Remote access

REMOTE ACCESS
manage your air conditioner even away from home

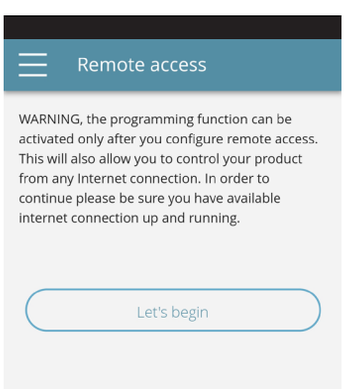


Figure 2-27

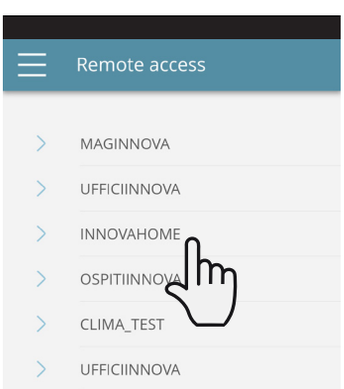


Figure 2-28

Once you have selected the menu item "Remote Access", a list of the available WiFi connections will appear.

Note: the air conditioner can connect only with 2.4GHz networks.

Select the preferred network for Internet access.

Then enter the WiFi network password and confirm it.

Note: the password can contain only alphanumeric characters from "A" to "Z" (uppercase and lowercase), from "0" to "9", "-", "_", ".".
Special characters are not permitted.

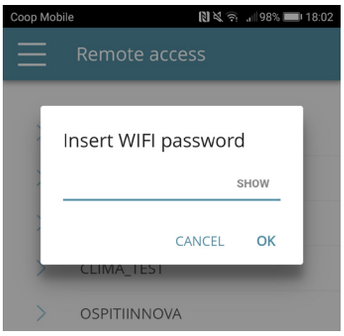


Figure 2-29

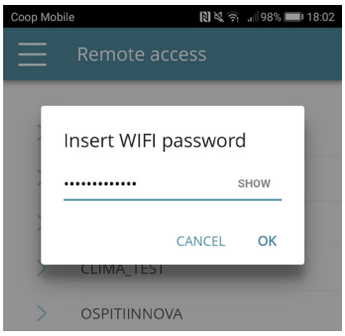


Figure 2-30

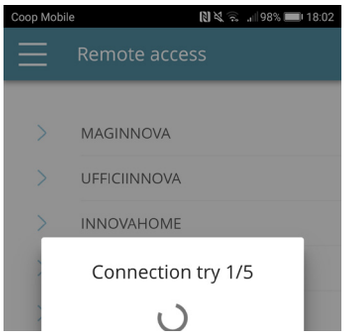


Figure 2-31

The App connects the air conditioner to the domestic network and the main screen to manage the appliance will appear again on the smartphone/tablet.
At this point, the smartphone/tablet is connected to the selected network.

From this moment, your 2.0 air conditioner is connected to a server over the Internet and can be managed from anywhere in the world over your telephone's WiFi or data connection.

Note: In the event that the procedure is not successful, the smartphone/tablet will automatically reconnect to the local network of the 2.0.
Therefore, repeat the procedure, rechecking the password entered and the name of the network.

Note: When the device is displayed in the cloud it may happen that the display of "Temp" is the name for the device.
In this specific case the device failed to restart,
the communication works correctly but the name is incorrect. To solve, it is necessary to rewind the air conditioner (removing and returning power).

Wifi network features

- working internet connection
- static public IPs are not required
- no incoming configurations are required on the ROUTER (NAT or other specific rules) - working dns service
- functioning DHCP service or alternatively the following information:
  - local ip address to be assigned to the subnet mask card
  - gateway
  - dns
- if the router or other entities in the customer's network have ACLs at the MAC-address level, the MAC-address of the card must be enabled if the client wants to control some features locally (noe change, advanced settings change, pc control) WIFI network must allow communication between devices connected to the same wifi (= Wifi Isolation must not be enabled)

Technical requirements for the proper functioning of the cloud connection TCP port 80, 443, 19009, 18321, 18009 output

2.10 Groups

GROUPS
list of groups of several air conditioners

If you have several air conditioners, you can combine them in groups to simplify scheduling and management of them. (For example, the air conditioners in a hotel could be grouped by floor).

First of all, select "Groups" in the menu and create a new group by clicking on "+". (Figure 2-32)

Then give a "Title" to the group and save using the icon at the top right. (Figures 2-33 e 2-34)

The group has been created but it has still not been associated with any air conditioners.

Returning to the "Groups" screen, the new group will appear and it can be edited or deleted using the adjacent icons.

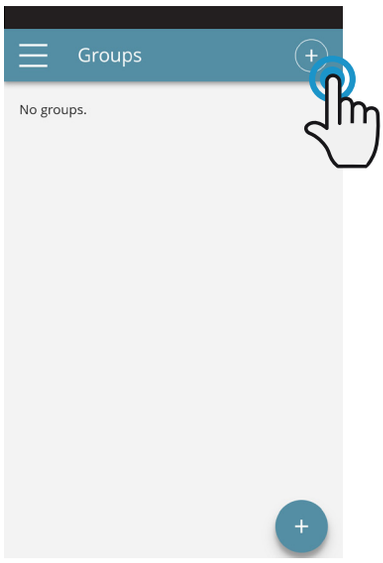
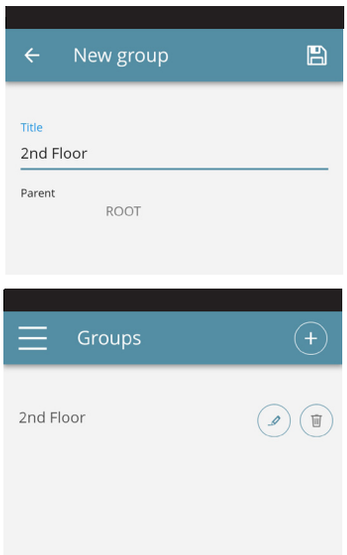


Figure 2-32



Figures 2-33 e 2-34

To associate an air conditioner to a group, select “My Devices “ item from the menu.
The section contains the list of all the configured air conditioners and groups.

Click on the eye beside the group name and then on the "+" symbol and select the air conditioners to associate. Lastly, save using the icon at the top right.

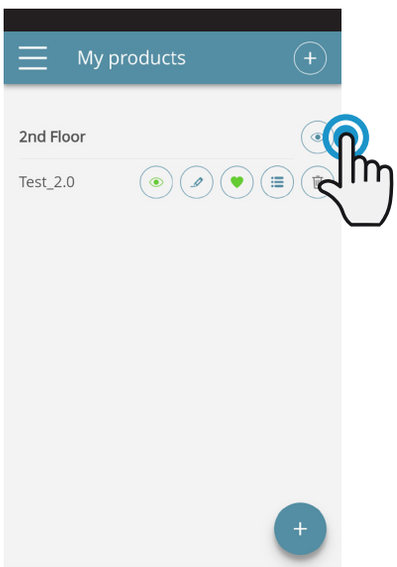


Figure 2-35

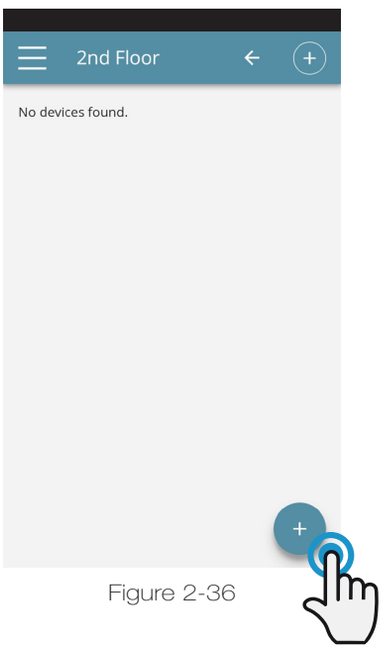


Figure 2-36

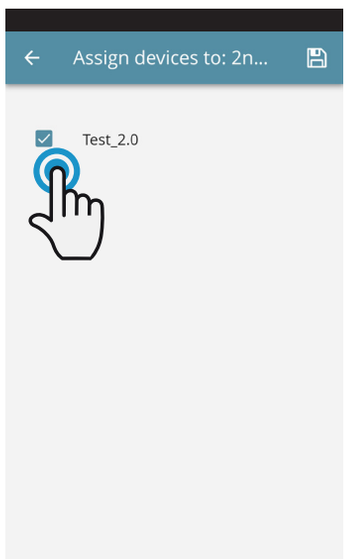


Figure 2-37

You can also associate an air conditioner with the group through the air conditioner itself.
Select the penultimate icon on the row of the air conditioner (icon list with three rows) and click "Assign groups" (Figure 2-39). Assign the air conditioner to one of the groups shown on the list.

When, on the other hand, you click "Sent settings", the settings of that air conditioner are applied to the group that will be selected.

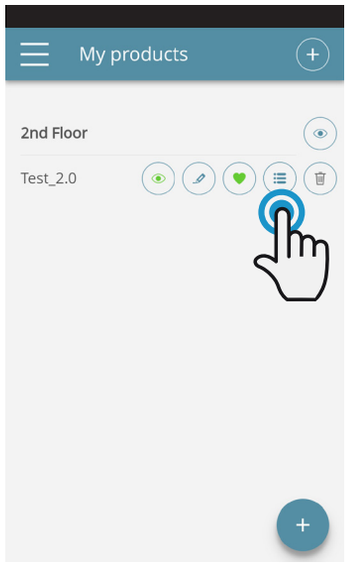


Figure 2-38

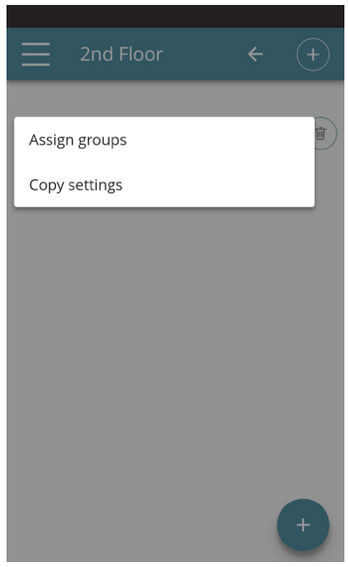


Figure 2-39

2.11 Preferences

PREFERENCES

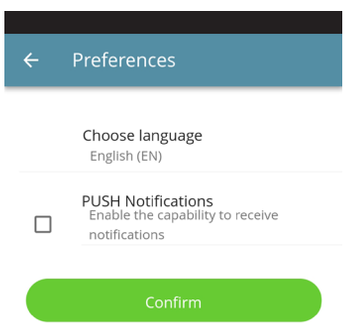


Figure 2-40

In the "Preferences" section which can be selected on the menu, the App language and the PUSH notification settings can be changed.

To receive notifications on the air conditioner's operation directly on your smartphone even when you are not using the App, tick the "PUSH Notifications" option.

2.12 Control with several devices

CONTROL WITH SEVERAL DEVICES

The same air conditioner can be managed with several devices (smartphone/tablet/PC).

After configuration with the first device, the machine can be controlled with another smartphone/tablet following the procedure described below.

First of all, you must connect to the Wi-Fi network where the 2.0 you want to control is also connected.

Install the "InnovApp TwoPointZero" app on the new smartphone/tablet and proceed as illustrated in figures 2-1, 2-2 and 2-3 on page 13.

t this point, the telephone alerts that you are not connected to the right WiFi network and to connect to the "Innova2.0": ignore the warning, clicking on the "**devices**" button right below the loading bar (Figura 2-41).

If you are connected to the WiFi network where your 2.0 is also connected, the telephone automatically scans all the "2.0" units connected to the network (Figura 2-42).

Once the device has been found, the general control screen opens automatically, from which you can control the air conditioner with the second telephone/tablet as well.

Note: If the search does not automatically find the air conditioner, press "**+**".

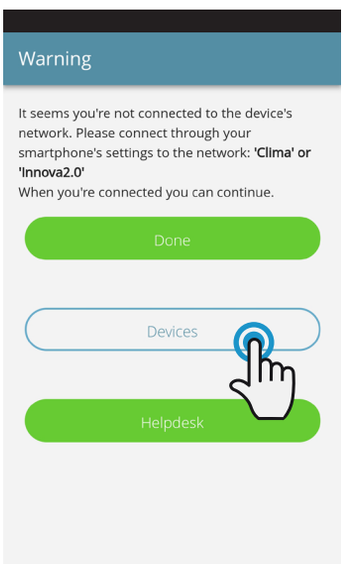


Figure 2-41

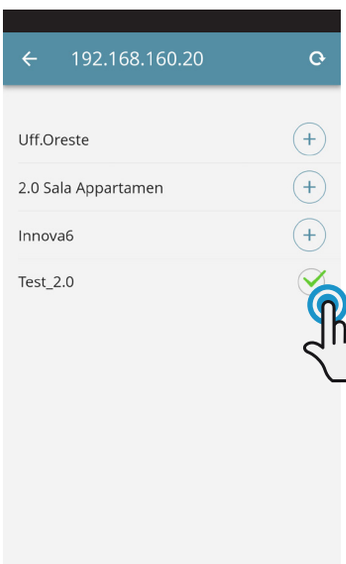


Figure 2-42

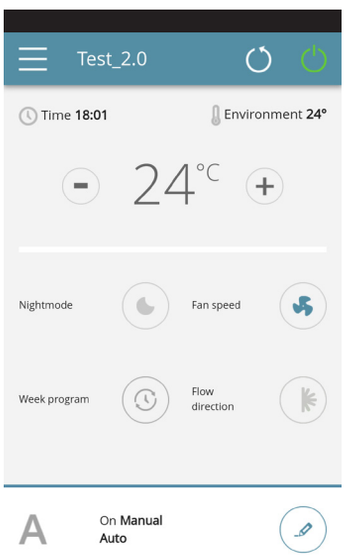


Figure 2-43

ON, OFF and RESET OF THE WIFI NETWORK

With the "reset" function, you can resume the configuration from the start in a few simple steps:

- Press and hold in the button ⏻ on the air conditioner display for 10 seconds. When the word "**On**" appears on the display, release the button.
- If you do not touch anything for another 10", the 2.0 WiFi is active and remains visible and usable with the last configured name.
- To reset the air conditioner and return its WiFi network to the original configuration (named "Innova2.0"), press the button ⏻ again. The abbreviation "**rSt**" will appear. Wait 10" so that the operation will complete successfully. At this point, new WiFi configuration of the 2.0 is required, starting from the indications in Figure 2-4.
- By holding the button in again, the 2.0 WiFi status switches to "**OFF**" mode: the WiFi transmitter will therefore be off and no longer visible from smartphone/tablet.

2.13 Management on desktop

You can also manage the air conditioner from your computer, configuring a specific desktop version of the App.

- Access the “Software” page of the INNOVA website:

www.innovaenergie.com > documents > software

MAC

- Download the zipped folder **“TwoPointZero InnovAPP desktop version - MAC”** and open it;
- double click on the file run.sh to open a command window:
  - type **cd**
  - drag the folder “**TwoPointZero InnovAPP desktop version - MAC**” into the command window (Figure 2-10) and press Enter
  - type **sh run.sh** and press Enter (Figure 2-11)
- The browser window will open with the first screen of the App for the desktop version. (Figure 2-12)
- You can begin with the configuration as explained in section 2.2 for the mobile version.
-

WINDOWS

- Download the zipped folder “**TwoPointZero InnovAPP desktop version - WINDOWS**” and open it;
- double click on the file **run.bat** and the browser screen will open (Figure 2-12) and one of CMD.

Note:
Minimum requirements:
- Chrome: 67
- Firefox: 60
- Opéra: 53
- Safari: not supported
- IE: not supported
- Edge: not supported

(Safari, IE et Edge do not partially or totally support RTCPeerConnection)

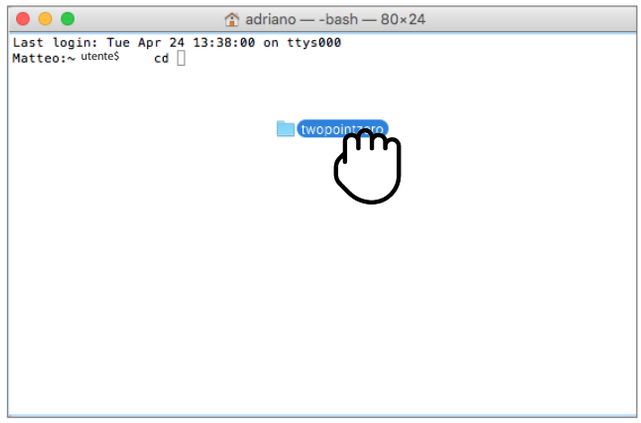


Figure 2-44

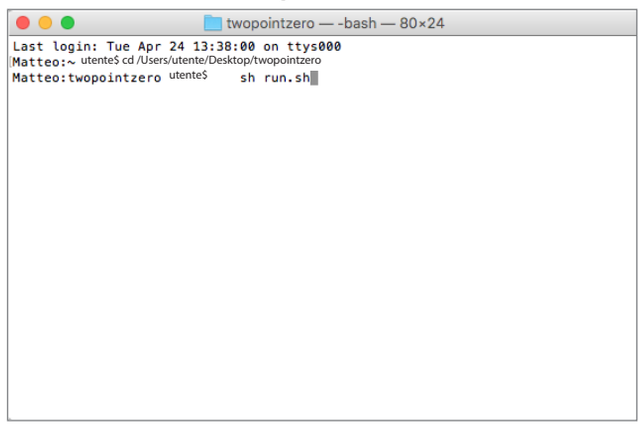


Figure 2-45

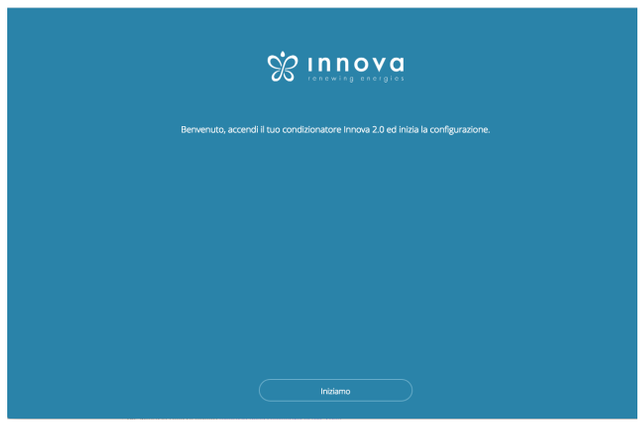


Figure 2-46

Note: As the first step of configuration, you will be asked to verify the connection to the air conditioner WiFi network. Therefore, go into the computer WiFi settings and select the corresponding network. If it was not already renamed during installation on smartphone, the WiFi will be called **Innova2.0**. After which, click **Done**.

Note: In order to make InnovApp TwoPointZero work on your desktop, you must have Java installed on the PC.

Note: See also paragraph “Control with several devices”

ES

2.14 Troubleshooting

Effect	Causa	Solution
The air conditioner cannot be configured on the iOS smartphone	iOS smartphones do not automatically identify the WiFi network which was renamed during configuration of the App.	Go to the telephone's settings and select the 2.0 unit's WiFi network with the name assigned to it during configuration of the App.
Remote configuration is unsuccessful	The WiFi network may be weak.	Check the signal power
The air conditioner's WiFi cannot be found	The WiFi transmitter may be switched off OR the air conditioner may already be configured in "Remote control"	Ensure that there is power to the device
Several air conditioners in the house cannot be configured	During configuration, two or more air conditioners are on	Configure one air conditioner at a time: therefore, switch on one at a time, keeping all the others off, and start the configuration.
The air conditioner cannot be controlled through the App	The problem is connected to the version of the air conditioner.	The version that allows control of the air conditioner through the App is 1.0.36. Check your version by accessing the app menu: one of the menu items must be "firmware: 1.0.36". In the case of a previous version, contact INNOVA service.
During configuration of the remote control, the WiFi network does not work	The password contains special characters	Enter a new password using only the permitted alphanumeric characters: from "A" to "Z" (uppercase and lowercase), from "0" to "9", "-", "_", ".". Special characters are not permitted.
The air conditioner scheduling section cannot be accessed	Scheduling of the 2.o is possible only after remote control has been configured.	Ensure that you have configured remote control, accessing the dedicated section from the App menu. Otherwise, configure it as explained on page 15.
Immediately after carrying out remote configuration, the name of the air conditioner is "TEMP"	This is a synchronisation problem between the air conditioner, the server and the smartphone.	Wait a few minutes.Otherwise, shut down and restart the air conditioner.
MQTT Server Problem	The server is in maintenance	Wait
Faults on the display: errors E7, E6 and other alarms		See page 10

EN

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