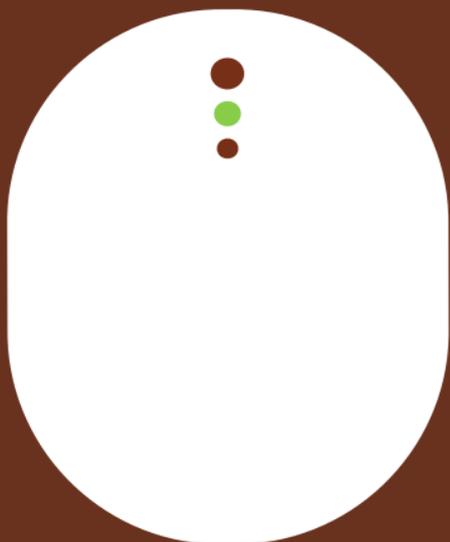


AirPatrol

lite



User manual

What AirPatrol Lite does?

AirPatrol Lite is an air conditioner (A/C) controller you operate with a mobile phone. It is compatible with all major manufacturers' air conditioners and all mobile phones (see AirPatrol.eu for the complete list).

The easiest way to use AirPatrol Lite is with a Smartphone, using the AirPatrol app downloadable from the Google Play (for Android phones), Windows Store (for Windows Phone 8) or App Store (for iPhone). It can also be controlled with regular mobile phone text messages (SMS). AirPatrol Lite allows you to have long distance control over the mode of the A/C, room temperature and fan speed settings.

Indicator light

The controller has 1 LED indicator and 1 button for easy setup. It has also 2 infrared LEDs that transmit your commands to the air conditioner.

LED

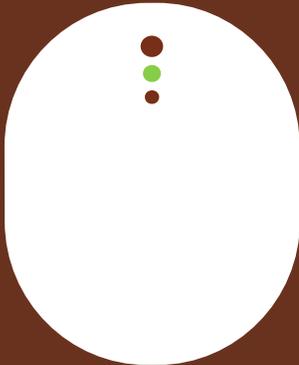
ON Controller busy

OFF Controller switched OFF (no power)

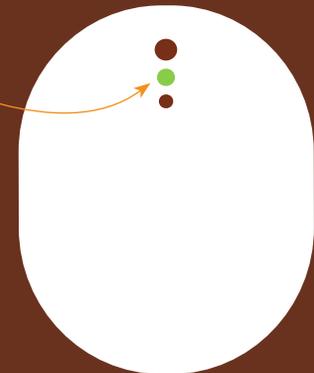
1 Blink (3s interval) normal status

3 Blinks (3s interval) no network

Blinking (500ms interval) DataCall session is active



LED

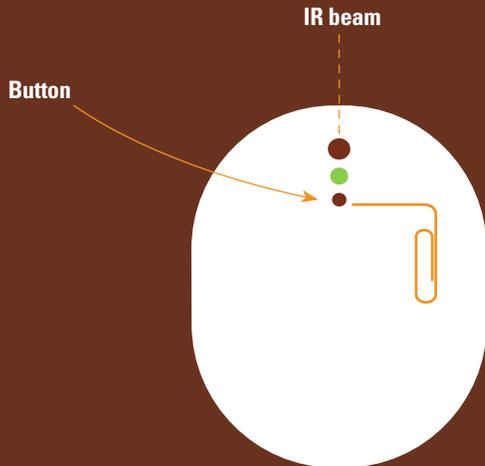


Button

Use a straightened paper clip or something similar to push the recessed button.

Short push turns the air conditioner ON/OFF. Use the TEST button to confirm that the IR beam from the controller reaches the air conditioner.

Long push (3s) resets the controller, clears settings.

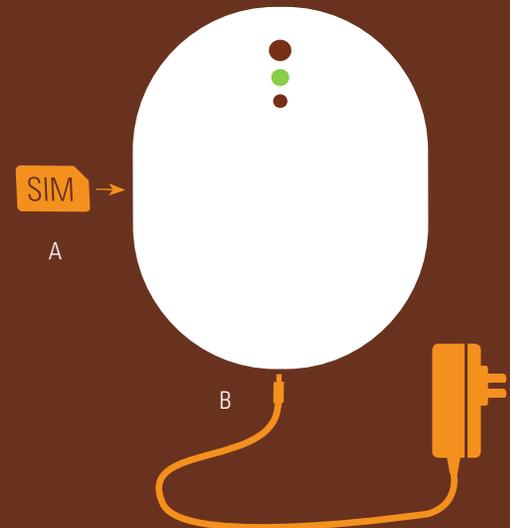


SIM card

NB! Make sure you disable the PIN code of the SIM card you use in AirPatrol Lite.

NB! Make sure the SIM card you use in AirPatrol Lite can access 2G network. AirPatrol Lite is not compatible with SIM cards that use only 3G network.

A) Make sure that you have previously disabled the SIM card PIN code. Insert SIM card as shown into AirPatrol Lite.
B) Plug the adapter into the socket under the AirPatrol Lite.



Installing AirPatrol Lite

AirPatrol Lite should be mounted on the wall to the right of your air conditioner's indoor unit (see fig. 1), with its IR transmitter pointing down. This way the IR beam is reflected from the floor and reaches the air conditioner's sensor most efficiently.

Other mounting configurations are possible too as long as IR transmission from the controller to the pump works.

NB! Thick carpets and dark floors can distort the IR beam. Make sure the IR beam reaches the pump's sensor by using the controller's Test function.

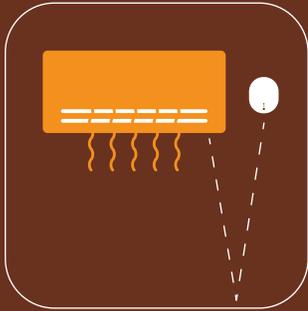


Fig. 1

On the right side of the indoor unit

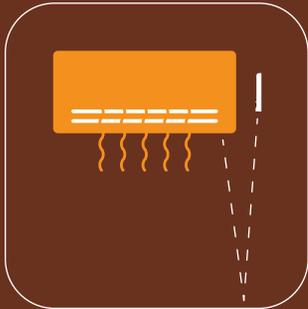


Fig. 2

Attached to the right side of the indoor unit

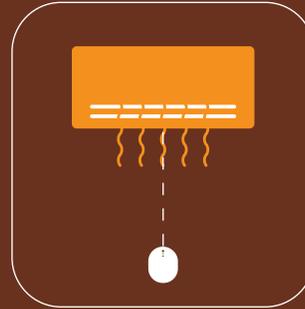


Fig. 3

Beneath the indoor unit

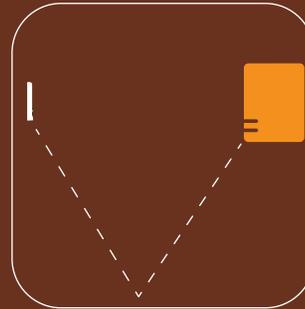


Fig. 4

On the wall, opposite to the indoor unit

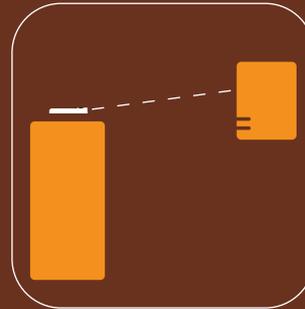


Fig. 5

On a ledge, opposite to the indoor unit

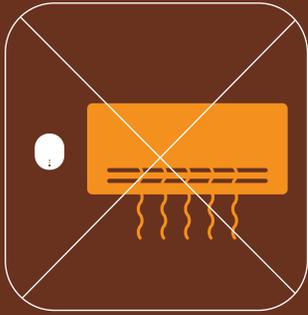
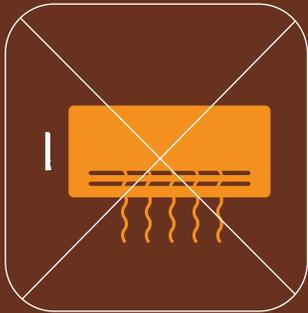


Fig. 6, 7

Do not place AirPatrol Lite on the left side of the indoor unit!

Indoor unit's internal condenser might block AirPatrol Lite's signal.



Testing AirPatrol Lite

To see if AirPatrol Lite can send commands to your air conditioner, turn off the pump and press the controller's button shortly. When the connection is established, AirPatrol Lite turns the pump on with its last settings and you can proceed using the controller.

Turning air conditioner ON/OFF

SMS Command **ON** turns air conditioner on.
SMS Command **OFF** turns air conditioner off.



turns air conditioner on



turns air conditioner off

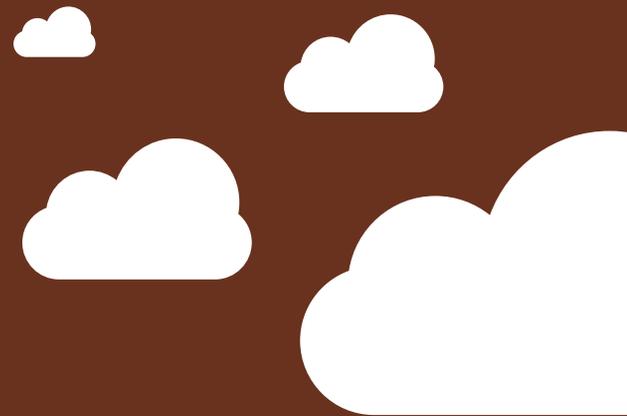
Commands

The range of air conditioner temperature values AirPatrol Lite controls is 16-30 °C (default +20 °C) and the fan speeds are MIN, NORM, MAX (default is NORM).

After selecting a mode (AUTO, DRY, COOL, HEAT, T8, T10) air conditioner is turned on with 20 °C default temperature and normal fan speed.

The pump can be assigned different temperature and fan speed values with AirPatrol Lite.

For example, the SMS: "COOL 19 MAX" orders the pump to cool until 19 °C and fan at maximum speed. When you change an air conditioner function AirPatrol Lite always responds with an SMS that reports its STATUS.



AUTO

DRY

COOL

HEAT



16

18

...

28

30



MIN

NORM

MAX

T8; T9; T10

Combine the pump mode, room temperature and fan speed values for a home atmosphere you like the best.



Advanced setup
For the brave!

Air conditioner model setup

The pump can be chosen on 3 levels of precision:

1. The precise name of the pump: the manufacturer and the model. This is recommended for the most efficient operation.

2. Pump manufacturer.

If you only choose the pump manufacturer, functions T8/T9/T10 will not be checked and the command will be sent even if the pump does not have T8/T9/T10 mode. If the exact pump model is not listed on our webpage or in this manual, AirPatrol Lite may or may not work with the air conditioner, for which the AirPatrol Lite manufacturer will not be held responsible.

3. All pump models.

If you choose All pump models (SMS: "950"), then all supported brands IR commands will be sent to the pump, and AirPatrol Lite can be used without choosing the pump more precisely.

Setup SMS command you send	Air conditioner model and series	T8/T10*
950	All pump models	T8/T10
951	Fujitsu	T10
953	Panasonic	T8
954	Mitsubishi Electric	T10
955	Bosch	T10
956	IVT	T10
957	Mitsubishi Heavy	
958	LG	T9
95A	Electrolux	
95B	Midea	T8
95C	Daikin	T10
95D	Hitachi	

Setup SMS command you send	Air conditioner model and series	T8/T10*
95E	Samsung	
95F	Sharp	T10
95G	General	T10
95H	Fuji	T10
95J	Altech	T8

Report messages

You can send report requests to AirPatrol Lite about your air conditioner status, controller status and the setup of the controller. Report messages are sent only to the sender of the request.

SMS command you send	SMS command function	Response SMS example
STATUS	Pump status request	Pump: ON; Mode: HEAT; Fan: MAX; Temp: 21C;
VERSION	Controller status request	Ver:1.01bxx; Device:name; Pump:ON/OFF; GSM:sq,cell; Life:mm.dd;
SETUP	Setup request	Device:name;

Pump "STATUS" report explanation

Pump "STATUS" report SMS Format	Response SMS example
Pump: ON/OFF	Pump ON/OFF
Mode: AUTO/DRY/COOL/HEAT/T8/T10	Pump mode
Fan: AUTO/MIN/NORM/MAX	Fan speed
Temp: xxC	Pump temperature

Controller “VERSION” report explanation

SMS format	Explanation
Ver: version number	AirPatrol Lite firmware version
Pump: ON/OFF	Pump status: ON/OFF
GSM: sq, cell	GSM signal strength (0-31,99) and GSM area info (1-local network, 5-roaming)
Life: mm.dd	Controller run time: months, days

Error messages

“Error command: text”

SMS will be sent if there was an error in your command.

For example, an SMS “cool19max” receives the response “Error command: cool19max”. Note that AirPatrol Lite will only return your incorrect command without suggesting a correct one (the error in the example is the absence of spaces between commands).

“Error pump command: text”

SMS means the operation T8/T9/T10 is not available for the specified pump.

When AirPatrol Lite fails to send an SMS it will retry after 1 minute.

AirPatrol Lite command sheets

Air conditioner ON/OFF

Command SMS	Air conditioner function
ON	Pump ON
OFF	Pump OFF

Commands

Command SMS	Air conditioner function
AUTO	AUTO (+20 °C, fan: NORM)
DRY	DRY (+20 °C, fan: NORM)
COOL	COOL (+20 °C, fan: NORM)
HEAT	HEAT (+20 °C, fan: NORM)
T8	T8 mode
T9	T9 mode
T10	T10 mode

For more information please visit www.AirPatrol.Lite.eu For support please contact us support@AirPatrol.Lite.eu

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