

IntesisBox WiFi series for AC integration into Home Automation Systems



1. GENERAL OVERVIEW

INTESISBOX WIFI AIR CONDITIONING GATEWAYS WITH OPEN IP PROTOCOL

The new range of IntesisBox WiFi gateways allows an easy Air Conditioner integration in any kind of control and monitoring system using a simple IP Protocol.

New WiFi gateways family is specifically designed for Home Automation manufacturers or integrators interested in offering a control solution for the Air Conditioning system, allowing them to create a simple driver for their Home Hubs controllers.



1. GENERAL OVERVIEW

WIFI GATEWAYS TYPES

Universal WiFi device offers compatibility with thousands of models of Air Conditioners, it only requires an Indoor Unit that has an IR receiver working with a standard Wireless Remote Controller.

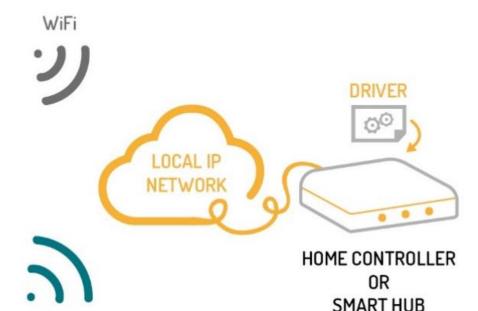
Specific WiFi devices use the proprietary communication protocol of each AC Manufacturer allowing real bidirectional communication with the AC system, offering also advanced parameters like error signals, error codes, power consumption, etc.

DIAGRAM EXAMPLE

UNIVERSAL

SPECIFIC

WiFi



INTEGRATE WITH...







And many more...



1. GENERAL OVERVIEW

COMPATIBILITY

ALL THE CONTROL YOU NEED	UNIVERSAL	SPECIFIC
On/Off	~	~
Mode	~	~
Set point	~	~
Room temperature	~	~
Fan speed	~	~
Vanes	~	~
Limitation of temperature	~	~
Signal error	×	~
Error code	×	~
Others	×	~





2. COMPATIBILITY

- UNIVERSAL IS-IR-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox IS-IR-xxx-1 AC Compatibility.pdf?v=1480526256
- MITSUBISHI ELECTRIC ME-AC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox_ME-AC-xxx-1 AC Compatibility.pdf?v=1487086947
- DAIKIN DK-AC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox DK-AC-xxx-1 AC Compatibility.pdf?v=1488798637
- DAIKIN DK-RC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox DK-RC-xxx-1 AC Compatibility.pdf?v=1487266419
- TOSHIBA TO-RC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox TO-RC-xxx-1 Compatibility.pdf?v=1487857392
- MITSUBISHI HEAVY INDUSTRIES MH-RC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox_MH-RC-xxx-1 AC Compatibility.pdf?v=1486564944
- PANASONIC PA-AC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox PA-AC-xxx-1 AC Compatibility.pdf?v=1479986154
- PANASONIC PA-RC2-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox_PA-RC2-xxx-1 Panasonic Compatibility.pdf?v=1486565034
- LG LG-RC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox_LG-RC-xxx-1_AC_Compatibility.pdf?v=1488890318
- FUJITSU FJ-RC-WMP-1: https://www.intesisbox.com/intesis/support/compatibilities/IntesisBox FJ-RC-xxx-1 AC Compatibility.pdf?v=1486724648

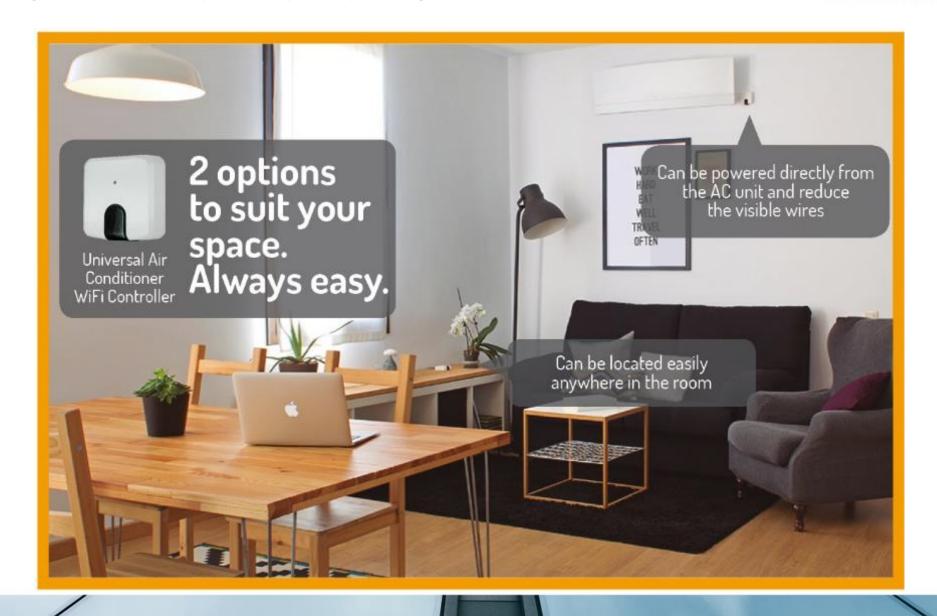


3. BENEFITS

- The cable installation between the Air Conditioner & the Home Controller is not required.
- Thanks to the open IP protocol, easy integration with multi brand home controllers by creating new drivers.
- Full control through the Home Automation system which is the responsible of more than 50% of your electricity bill.
- Possibility to auto-discover the WiFi devices installed in the network.
- Firmware upgrades with new functionalities.
- WiFi configuration allows Dynamic or Static IPs.

4. INSTALLATION - UNIVERSAL

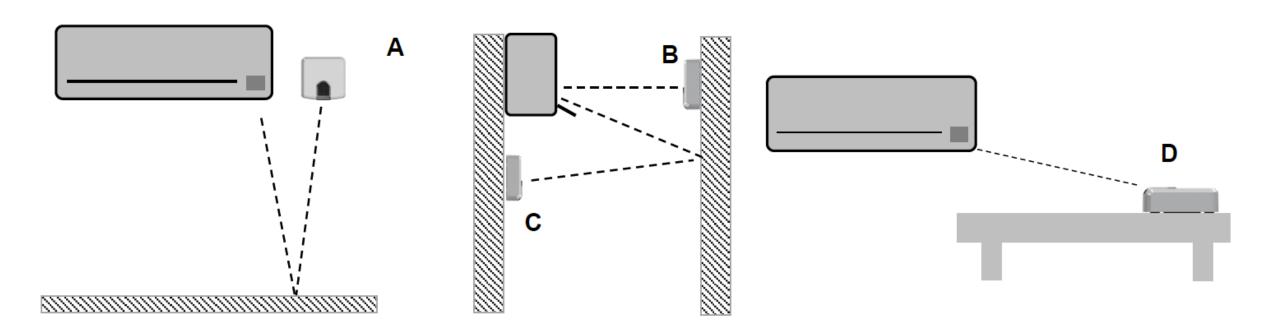






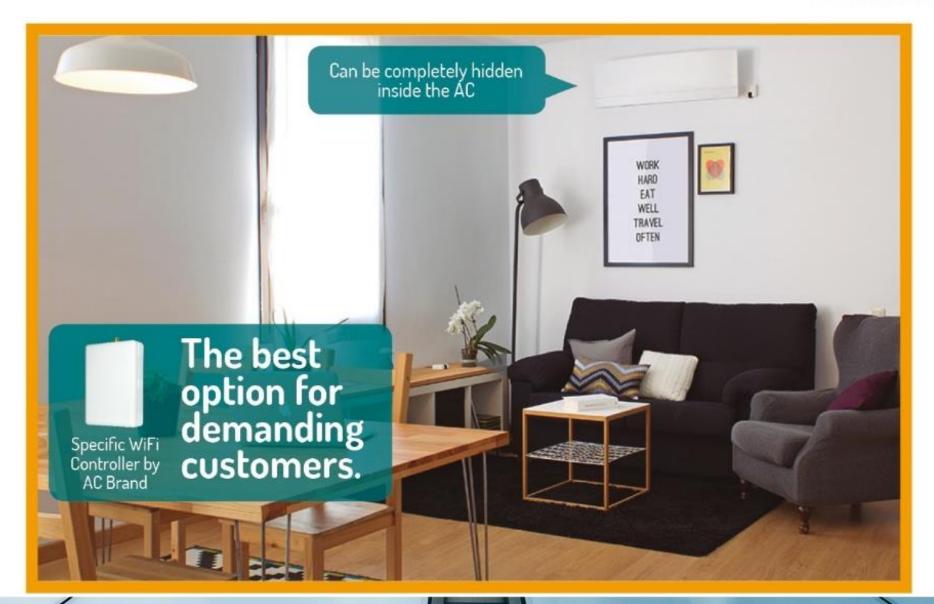
4. INSTALLATION - UNIVERSAL

Small dimensions and easy installation. It can be installed side-by-side with the AC unit (case A), in front of the AC unit (case B), under the AC unit (case C) or on a desktop position (case D).



4. INSTALLATION - SPECIFIC

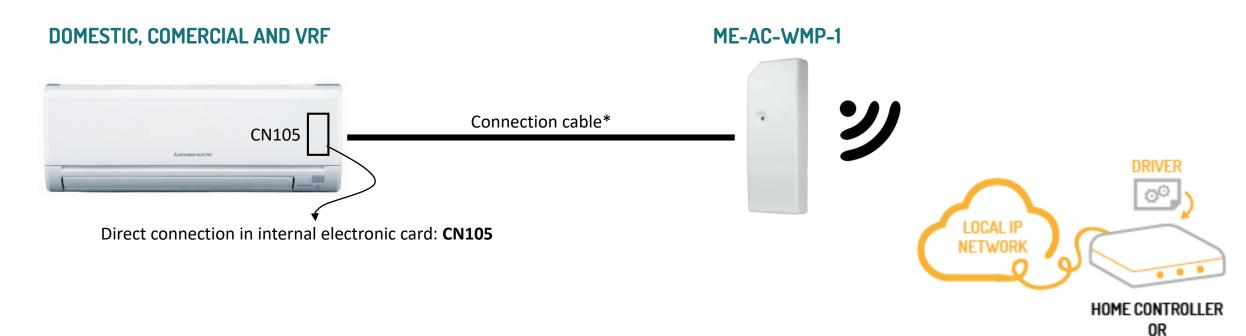






4.1. MITSUBISHI ELECTRIC





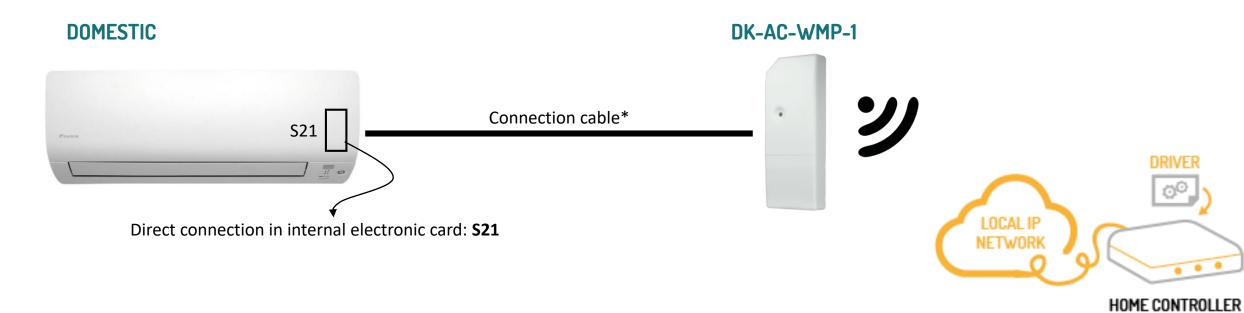
SMART HUB

^{*}The connection cable is supplied with the product



4.2. DAIKIN



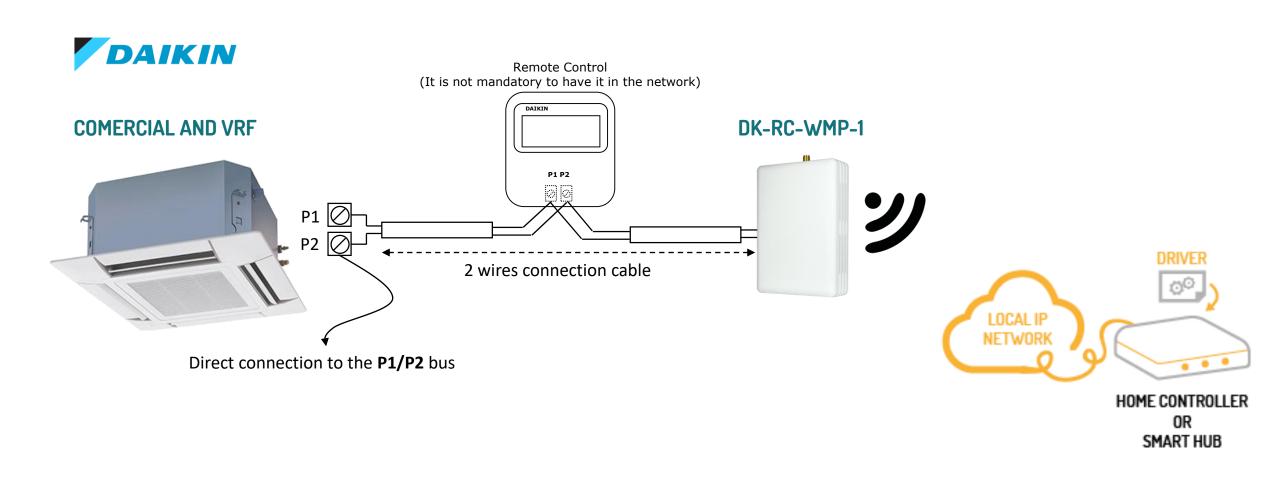


OR SMART HUB

^{*}The connection cable is supplied with the product

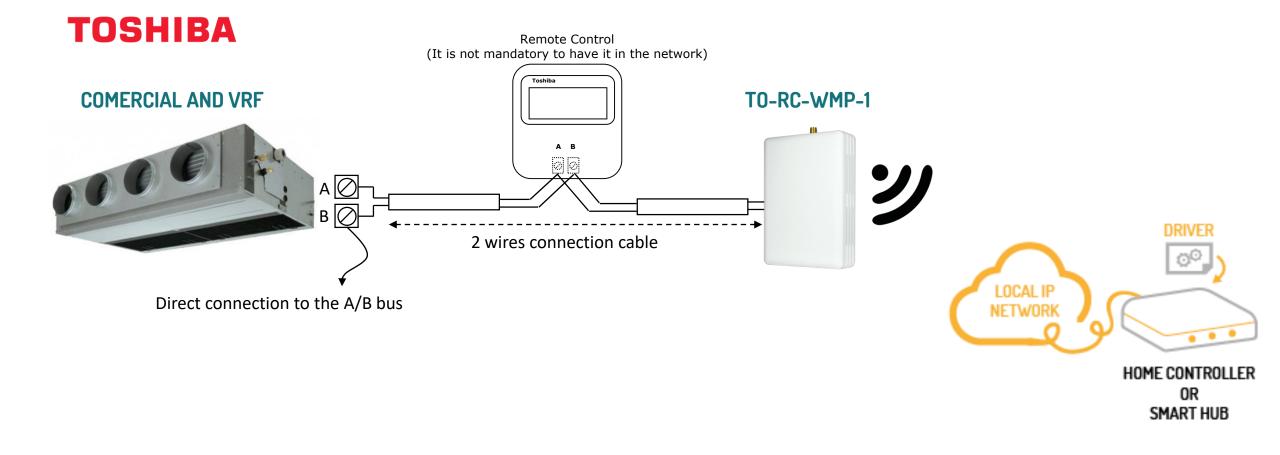


4.2. DAIKIN



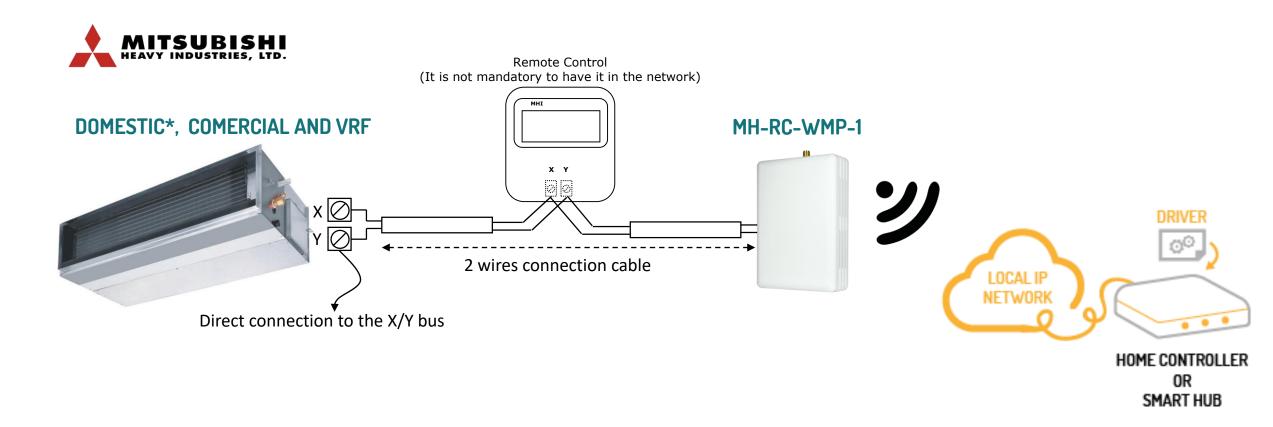


4.3. TOSHIBA





4.4. MITSUBISHI HEAVY INDUSTRIES

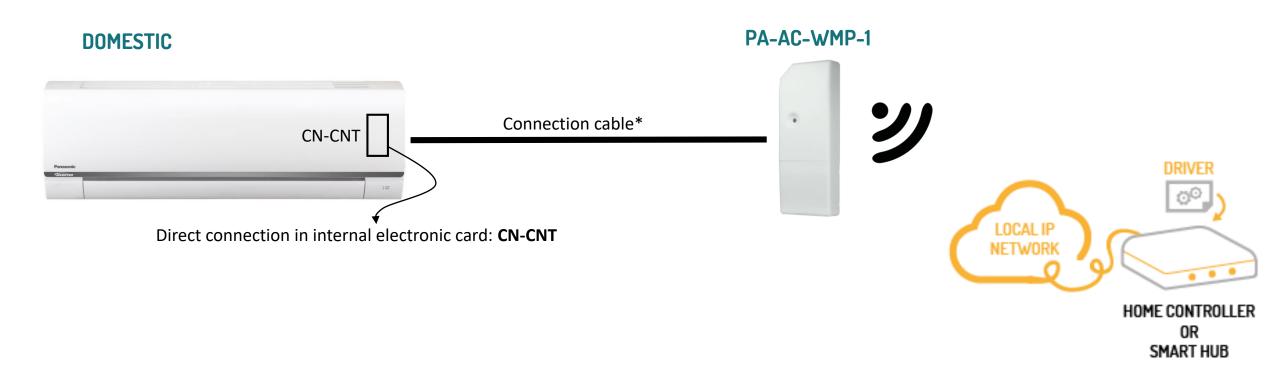


^{*}For Domestic units optional SC-BIKN-E from MHI is required.



4.5. PANASONIC

Panasonic

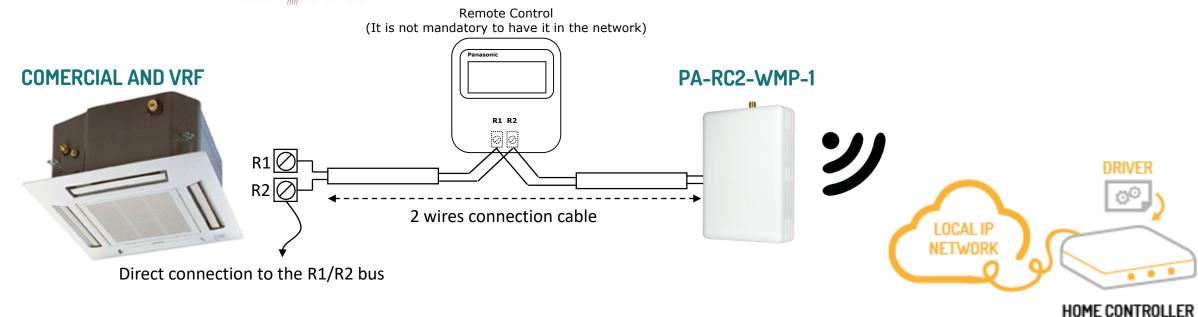


^{*}The connection cable is supplied with the product



4.6. PANASONIC - SANYO

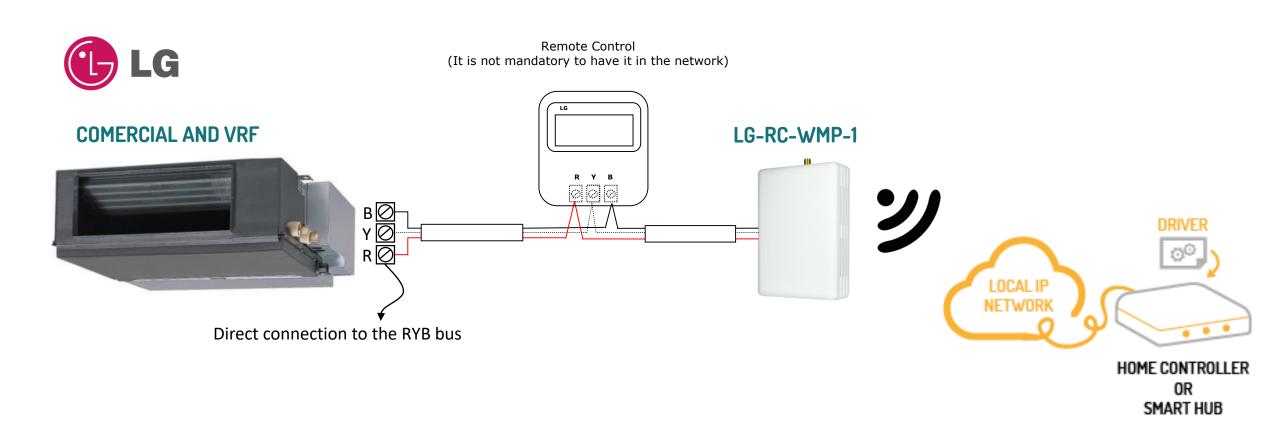
Panasonic SANYO



OR SMART HUB

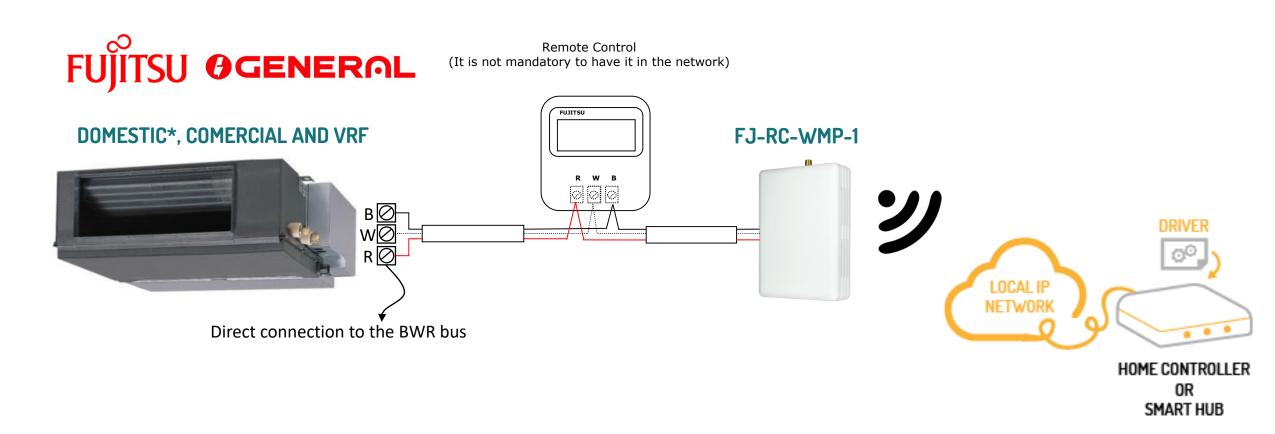


4.7. LG





4.8. FUJITSU - GENERAL

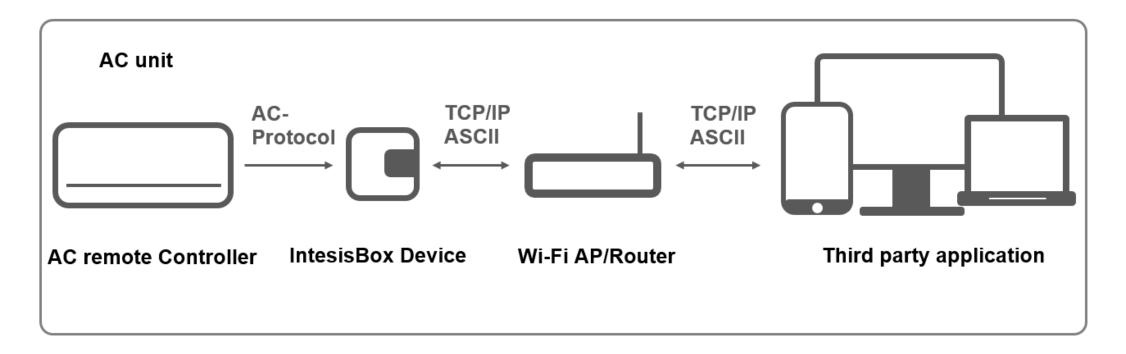


^{*}For domestic series, a communication kit is required.



5. IP CONNECTION

IntesisBox WMP devices establish a TCP connection between the device itself and the BMS, smart hub, home control or any other controller (from now on client) with IP connection enabled. Communication is done through ASCII telegrams.

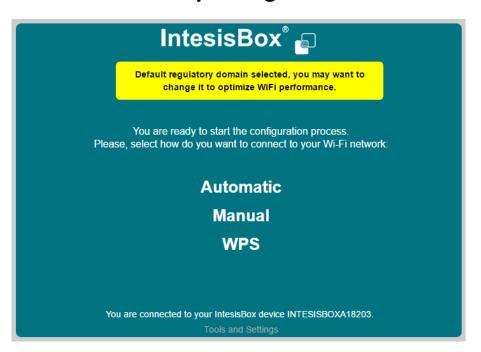




6. WIFI NETWORK

The devices from factory are configured as access point. Once the product is powered on, the network should be visible in the WiFi box list with the SSID name **INTESISBOX-----** and the last 6 digits of the MAC address.

Connect your PC or mobile to this network and use the following web page to connect the WiFi device to the WiFi network: **wmpconfig.com**



Automatic: It is the standard system, all the networks available are listed and can be selected.

Manual: The network details must be introduced manually (useful for hidden SSIDs).

WPS: For this option the router must support WPS.

The devices can be configured as DCHP or static IP.

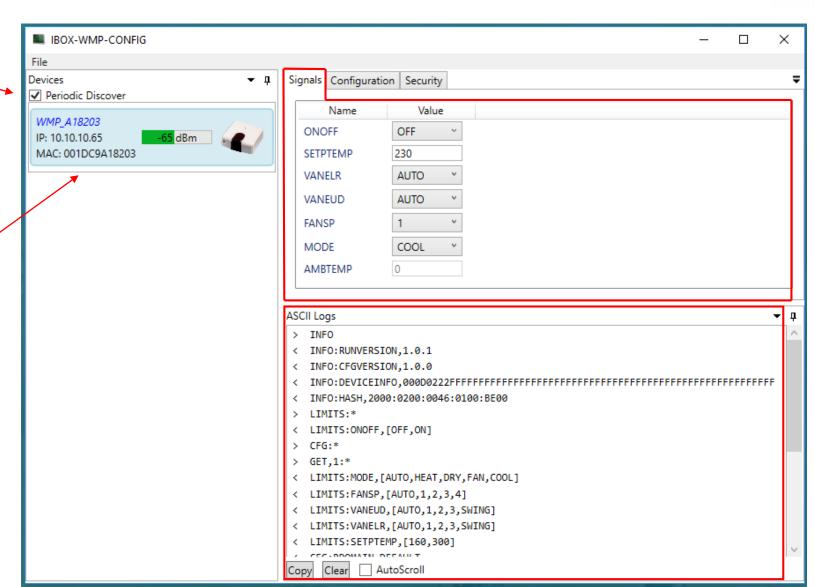
7. FREE CONFIGURATION TOOL: IBOX-WMP



The devices present in the network are discovered periodically

The devices are listed and some general information showed:

- Name
- IP address
- MAC address
- Wifi signal power (dBm)
- Product image



Signals window:

Send and receive commands between the PC and the AC units. Useful for testing and start ups.

ASCII Logs:

This window shows the ASCII commands sent by the Intesis product or received from the AC controller.

- >: Sent
- < : Received

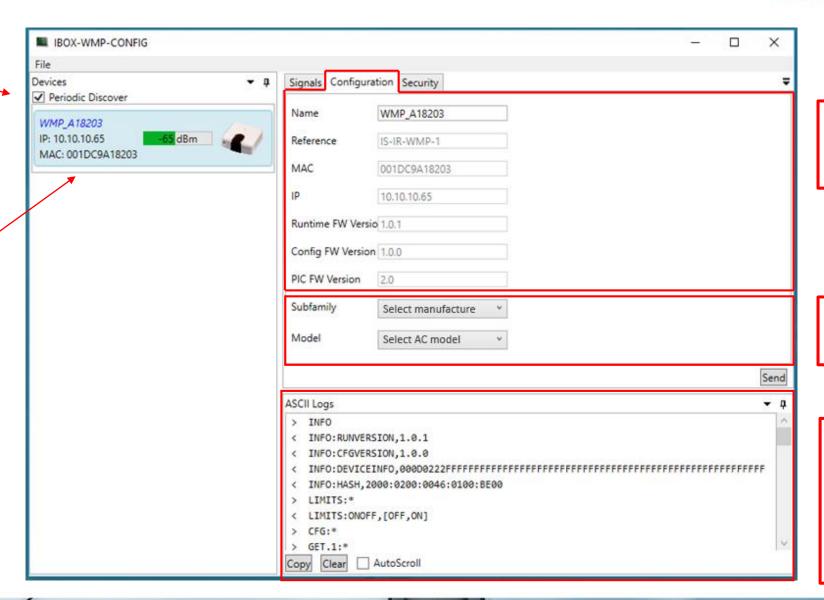
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Configuration window:

Display of general information. The name of the device can be modified.

For the IR device:

The manufacture and model of the AC to be controlled can be selected.

ASCII Logs:

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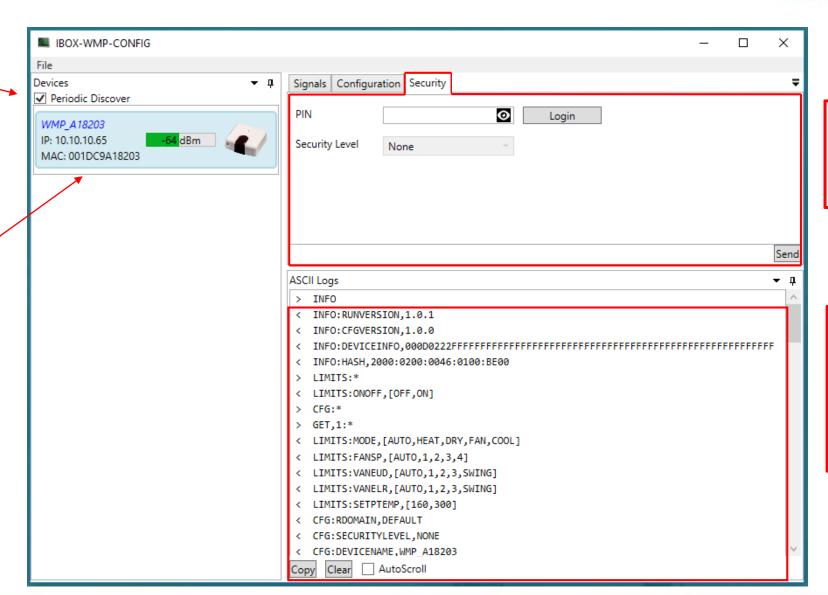
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- Name
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- Wifi signal power (dBm)
- Product image



Security window:

A security PIN can be created to access to the product configuration and to encrypt the communication.

ASCII Logs:

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- >: Sent
- < : Received



THANKS FOR YOUR ATTENTION