IntesisHome®
Your home in the cloud

SMARTPHONES & INTERNET HVAC CONTROL

IS-IR-WIFI-1
Universal Air Conditioner Wi-Fi Device
IntesisHome is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, Tablets and PC.
Introduction

There are 3 basic components on IntesisHome:

The Air Conditioning units are controlled from a webpage or using an iOS or Android APP in a very intuitive way

A wireless device controlling each unit using IR communication

A server in the cloud manages all the processes
IntesisHome IS-IR-WIFI-1 device is an easy to install and small device which allows connectivity with the IntesisHome application and connects with your climate system using Infrared (IR)

The device is compatible with any air conditioner unit that can be controlled using an IR remote controller*

* Check our compatibility list. http://www.intesishome.com/support/compatibility-list
Some IntesisHome benefits are:

- Turn the AC on before arriving home
- Know the actual Ambient Temperature of your home
- Change the program if the user is going to arrive late
- Turn the unit off once out of the building if you left it running
- Program the AC with a calendar scheduler in an easy an intuitive way
- Several languages are available
- Save money without losing comfort
With IntesisHome you can control:

- Indoor Unit Start and Stop
- Change the working Mode (Heat, Cool, Fan, Auto, Dry)
- Change the Fan Speed
- Change the Vanes position
- See the Room Temperature
- Control the Set Point Temperature
- Scenes and Timers
- Schedule Calendar
- And many more…
There are 3 different Licenses in IntesisHome:

<table>
<thead>
<tr>
<th></th>
<th>Lite</th>
<th>Advanced</th>
<th>Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Number Indoor units</td>
<td>10</td>
<td>10</td>
<td>&gt; 10</td>
</tr>
<tr>
<td>Multilingual</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Multiple Houses and zones</td>
<td>x</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Multiple users (owner and secondary users)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Scenes &amp; timers</td>
<td>1</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Calendar scheduler</td>
<td>x</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Automatic updates</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Notifications and History</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Alerts e-mail notification</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Air conditioning malfunction alerts</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Connectivity monitoring and alerts</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>History</td>
<td>x</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Data analytics</td>
<td>x</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Maintenance alerts</td>
<td>x</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>User defined alerts</td>
<td>x</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

*Some of these features will be released during 2014*
Introduction

Example 1: Home

Do you think you will be delayed coming back home? Forgot to turn off the heat pump when leaving home? Do you want to reduce unnecessary cooling or warming when you are out of home?

IntesisHome puts in your hand the ability to control your air conditioning system anytime, anywhere.
Example 2: Shops

Do you have a Twin, Triple or double Twin system installed?

With only one IntesisHome device are you able to setup an Annual schedule calendar.

- Turn on the units before open the shop, your first customer of the day will find the shop comfortable
- Don’t forget the AC ON! Schedule an Off operation 20 minutes before you close the Shop and save energy
The available device is:

- [IS-IR-WIFI-1](#) Universal Air Conditioner Wi-Fi Device

Packaging content:

- IntesisHome device

- Power supply
  - Power Supply includes UE, US, UK, AU Plugs & a wire to be connected directly to the Indoor Unit Power Supply

- Documentation
1- Power up the IntesisHome device

2- Place the IntesisHome device:

Option 1
- Next to the Air conditioner fixed on the wall

Option 2
- Pointing at the Air conditioner, placing it over any surface

- IS-IR-WIFI-1 Includes 2 IR emitters making the installation very flexible and also includes an IR receiver, if you want to know how are working your unit, you must install the device in a place where can receive the signal sent by the manufacturer IR Remote Controller.

If you don’t have enough Wi-Fi Signal, remember you can change the location of the IntesisHome device to be closer to the Access point (router)
Wi-Fi Setup

Before starting

Locate your smartphone where you want to install the IntesisHome device and check if you have a good Wi-Fi signal

- If you have enough Wi-Fi signal then proceed to install

- If you don’t have enough Wi-Fi signal then:
  - Try to install the IntesisHome device in other place
  - Try to move the Wi-Fi access point
  - If the IntesisHome device has external antenna then you can replace it by other antenna with better gain
IntesisHome Wi-Fi Specifications

- Wi-Fi protocol IEEE 802.11b (IEEE 802.11bgn compatible)
- RF Channels available 1 to 14ch (From factory 1 to 11ch)
- Security types WEP, WPA and WPA2
- Wi-Fi configuration methods
  - Automatic search of nearest Wi-Fi networks
  - Manual setup of hidden SSID Wi-Fi networks
  - WPS (Push button Method)
- IP configuration
  - DHCP (Automatic IP Address)
  - Manual (Static IP Address)
What do you need?

IntesisHome Device
Before starting
Specifications
Requirements
Initial Setup (I)
Initial Setup (II)
Automatic (I)
Automatic (II)
Automatic (III)
Manual
WPS
Error message

For complete information about Wi-Fi configuration process, please check next manual

Initial Setup

- Be sure to have the IntesisHome device with Led Green On

- With your Smartphone, Tablet or Laptop search for the WI-FI network called "IntesisHomexxxxxx" and connect to it

- The latest "xxxxxx" correspond with last 6 characters of the device MAC Address
Wi-Fi Setup

Initial Setup

- Open the web browser and access to \textit{ihconfig.com} page

- The Welcome Screen configuration page will appear
Automatic configuration

Click “Automatic” in order to start to search the Wi-Fi networks around the device.

After some seconds a Wi-Fi networks list will appear. Find your Wi-Fi network and click “Select”.

Please be sure that the device has enough Wi-Fi signal level.
Before starting
Specifications
Requirements
Initial Setup (I)
Initial Setup (II)
Automatic (I)
**Automatic (II)**
Automatic (III)
Manual
WPS
Error message

Wi-Fi Setup

Automatic configuration

Insert your password and click “Next”

*If you need to setup an Static IP Address, click “Advanced Options”, introduce the IP settings and then click “Next”*

Check if the data on the Wireless configuration Summary is correct

If YES click “Save and Apply”
If NO click “back” and modify
Wi-Fi Setup

Automatic configuration

Step 1: The device is trying to connect to the Wi-Fi Router

Step 2: The device has been connected to the Wi-Fi router and now is downloading the last Firmware Update

Step 3: After the update, the device will automatically reboot and will try to connect again to the Wi-Fi router

Step 4: The device now is working
Manual configuration (For hidden SSID Wi-Fi networks)

The SSID is the name of the Wi-Fi network. This name can be Hidden by the Wi-Fi Router Settings. If you want to connect the IntesisHome device to one of these networks then use Manual configuration.

Click “Manual” in order to start the configuration

In this window you need to:

- Write the SSID name
- Choose Type of security
- Write the password

* The next steps are the same as “Automatic” configuration
Wi-Fi Setup

WPS configuration (Only for WPS compatible Wi-Fi routers)

- Click on WPS menu on the Web page or Click WPS button on the IntesisHome device in order to Start

- Then Click on WPS button on the Wi-Fi router

- After that, the device will proceed to the next steps as Automatic or Manual configuration
Wi-Fi Setup

Before starting
Specifications
Requirements
Initial Setup (I)
Initial Setup (II)
Automatic (I)
Automatic (II)
Automatic (III)
Manual
WPS
Error message

Error message

If any problem appear during the setup, the LED of the device will indicate the problem

If any problem appears, you can connect again to the IntesisHome device and in the Welcome Screen the Error Message will be showed

Find all the LED status table on:
Create an account

After having connected the IntesisHome device to Internet, you will be able to create a new account at www.intesishome.com.
New User

Fill the form

Fill the form with proper personal data and accept the terms and conditions

A validation e-mail will be sent to the introduced e-mail account during the registration process

Please, follow instructions in the validation e-mail to finish the registering process. After that, you will be able to login as a known user
New User

Create account
Fill the form
Login
Add device (I)
Add device (II)
Add device (III)

Login

Introduce Username or E-mail and the password

Then click “Login” button
New User

Create account
Fill the form
Login
Add device (I)
Add device (II)
Add device (III)

Add device

First time you login into IntesisHome, this window will show up

Otherwise, access to the configuration section clicking on the Settings button on the main page

Click on “Devices” tab in the top bar menu and then click add (+)
- Introduce the registration number. You can find this information on the cover of the IntesisHome device User Manual or in a label in the device.

- Note. Be sure to have the device already configured and connected to Internet. If not, you can’t complete the device registration process.
- Select the AC model. Make sure that you select the right Air Conditioner indoor model as it defines device functionalities. Not selecting the right model could lead to a misbehavior of the system.
iOS App

- iOS Devices: iPhone, iPod and iPad (iOS 5.0 or higher)
- Download for free in AppStore.
Android App

- Android Devices: Smartphones and Tablets (Android 2.2 or higher)

- Download for free in Google Play
Web

- Web available in any PC, Tablet or Smartphone

Note: User & Device configuration could be made only in the Web
1- User name & Password
2- Remember User Name & Password for the next time
3- Login Button
4- View and example: If you don’t have any account you can use this to see how IntesisHome works
5- Create a new user account at IntesisHome
Tutorial: How does the APP work

How does the APP work?

IntesisHome®

Also you can see this video on:
http://www.youtube.com/watch?v=P4YMvkzUFXM