



Wi-Fi & Home Automation Module

**Installation and User
Manual**

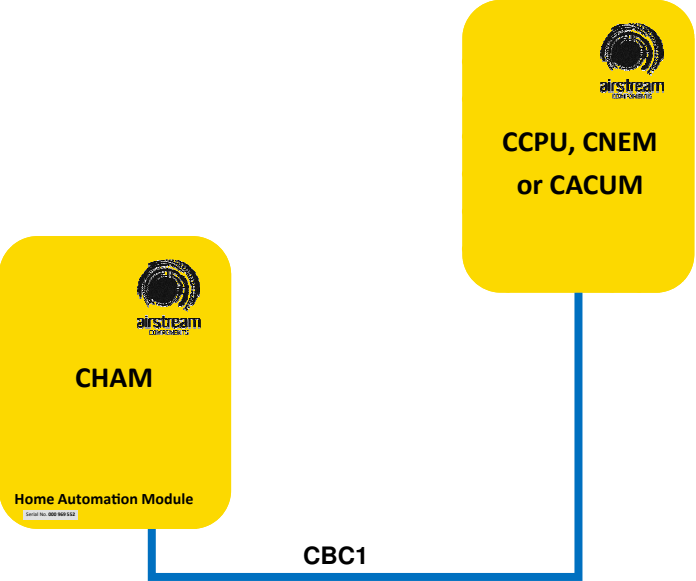


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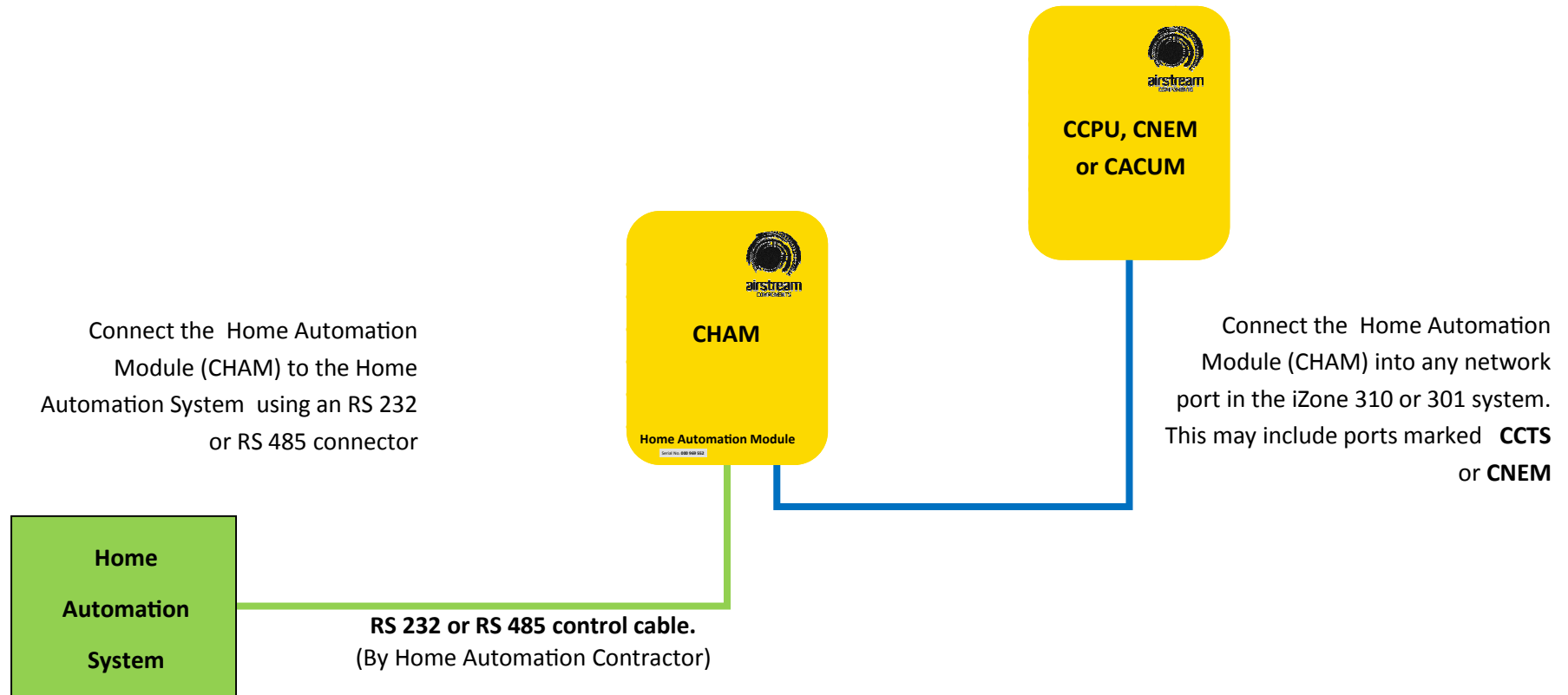
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1.1 Standard wiring layout for Wi-Fi control

Connect the Home Automation Module (CHAM) into any spare network port in the iZone 310 or 301 system. This may include ports marked **CCTS** or **CNEM**



1.2 Standard wiring layout for Home Automation interface



1.3 Installation instructions

1. The Home Automation Module (CHAM) can be installed on top of the indoor fan coil unit. However, if there is interference due to the building structure and the Wi-Fi connection is unreliable, the CHAM should be relocated adjacent to the home Wi-Fi module / router and a longer RJ45 cable installed.
2. Do **not** run the blue network cables alongside 240 Volt wiring.
3. When installing network cables down wall cavities or chasing network cables into walls, tape up and protect the RJ45 connector to avoid damage to the connectors.
4. Ensure the colour touch screen CCTS installed on the system has the Wi-Fi software installed to enable Wi-Fi setup. If not return to Airstream for reprogramming.
5. If connecting the iZone system to a Home Automation system use an RS 232 or RS 484 serial connector.

2.0 System initialisation

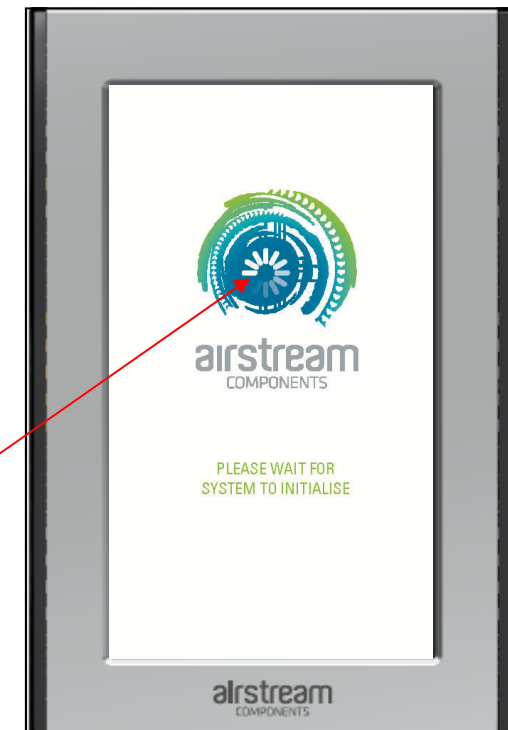
All new or modified systems must be initialised prior to system configuration.

To initialise the system press the button on the underside of any colour touch screen. This button is recessed so you will need to use a pen to press the button.

The time to initialise the system will vary depending on the number of motors connected.

The system will also initialise when power is restored after a power failure.

Airstream logo will spin while system is initialising.





Using a pen, press the button on the underside of the screen.



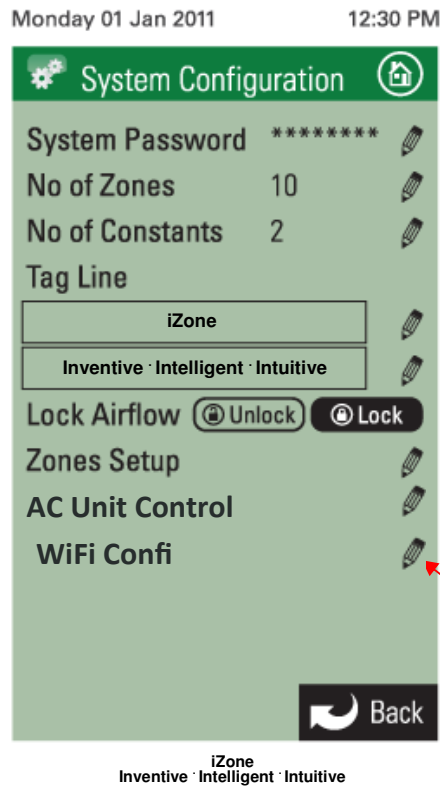
3.0 Wi-Fi configuration

WARNING ! Only qualified iZone installers should configure the iZone System. Incorrect configuration could result in damage to your air conditioning unit and system.

2.1 To configure your Wi-Fi connection click on the System Config icon on the home page.  System Config

Enter the system password “**wamfud**” and press the enter button. The enter button must always be touched to save changes. 

2.2-2.5 You will now be in the System Configuration area:



Touch here to configure the WiFi communications (see 3.1)

3.1 Network type, scan type and security

The screenshot shows the 'WiFi Configuration' screen on a mobile device. At the top, the date is 'Monday 01 Jan 2011' and the time is '12:30 PM'. The screen is divided into three main sections: 'Network Type', 'Scan Type', and 'Security'. Each section has a green header bar. The 'Network Type' section has two radio buttons: 'Infrastructure' (selected) and 'Ad Hock'. The 'Scan Type' section has two radio buttons: 'Active' and 'Passive' (selected). The 'Security' section has five radio buttons: 'OPEN', 'WEP', 'WPA-PSK Personal', 'WPA2-PSK Personal', and 'WPA or WPA2-PSK Personal' (selected). At the bottom, there are three buttons: 'Next', 'Previous', and 'Back'. The 'Back' button has a white arrow icon. Below the buttons is the text 'iZone Inventive · Intelligent · Intuitive'. Red arrows point from text annotations to specific elements on the screen.

Monday 01 Jan 2011 12:30 PM

WiFi Configuration

Network Type

- Infrastructure
- Ad Hock

Scan Type

- Active
- Passive

Security

- OPEN
- WEP
- WPA-PSK Personal
- WPA2-PSK Personal
- WPA or WPA2-PSK Personal

Next Previous Back

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Select the correct network type

Select the correct scan type

Select the correct security type

Touch Next to go to set up the network name

Touch here to go to the home screen.

Touch here to go back and save the changes.

3.2 Network name

The image shows a screenshot of an iPhone's WiFi Configuration screen. At the top, the status bar displays 'Monday 01 Jan 2011' and '12:30 PM'. The app title 'WiFi Configuration' is in a green header bar, with a home icon on the right. Below the header, the text 'Enter Network Name' is followed by a large black box labeled 'Network Name'. A QWERTY keyboard is visible below the text field, with a green enter button on the right. At the bottom, there are three buttons: 'Next', 'Previous', and 'Back'. The 'Back' button has a circular arrow icon. Red arrows point from text annotations to these specific elements.

Monday 01 Jan 2011 12:30 PM

WiFi Configuration

Enter Network Name

Network Name

1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M , . /
◀ ▶ ↕ Space ↩

Next Previous Back

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Touch here to go to the home screen.

Network name

Type in the network name

Press the green enter button to save the Network Name

Touch Next to set the IP address

Touch here to go back and save the changes.

3.3 IP address

Select either Auto or Manual Configuration.
If manual is selected you will need to know the IP, Subnet Mask, Default Gateway, Primary DNS Server and Secondary DNS Server addresses if applicable.

The screenshot shows a mobile application interface for WiFi configuration. At the top, the status bar displays 'Monday 01 Jan 2011' and '12:30 PM'. Below this is a green header bar with a gear icon on the left, the text 'WiFi Configuration', and a home icon on the right. Underneath the header is a dark green bar with the text 'IP Address'. Below this, there are two radio button options: 'Auto Configuration' (which is selected) and 'Manual Configuration'. At the bottom of the screen, there are three buttons: 'Next', 'Previous', and 'Back'. Below the buttons is the text 'iZone Inventive · Intelligent · Intuitive'.

Touch here to go to the home screen.

Touch Next to go enter Manual Configuration details or to enter WiFi Password

Touch here to go back and save the changes.

3.4 Network password

The screenshot shows the 'WiFi Configuration' screen on an iPhone. At the top, the status bar displays 'Monday 01 Jan 2011' and '12:30 PM'. The title bar is green and contains the text 'WiFi Configuration' and a home icon. Below the title bar, the text 'WiFi Password' is displayed above a large black redaction box labeled 'Password'. A keyboard is visible below the redaction box. At the bottom of the screen, there are two buttons: 'Previous' and 'Back'. The 'Back' button has a circular arrow icon.

Monday 01 Jan 2011 12:30 PM

WiFi Configuration

WiFi Password

Password

1 2 3 4 5 6 7 8 9 0

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M , . /

Space

Previous Back

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Touch here to go to the home screen.

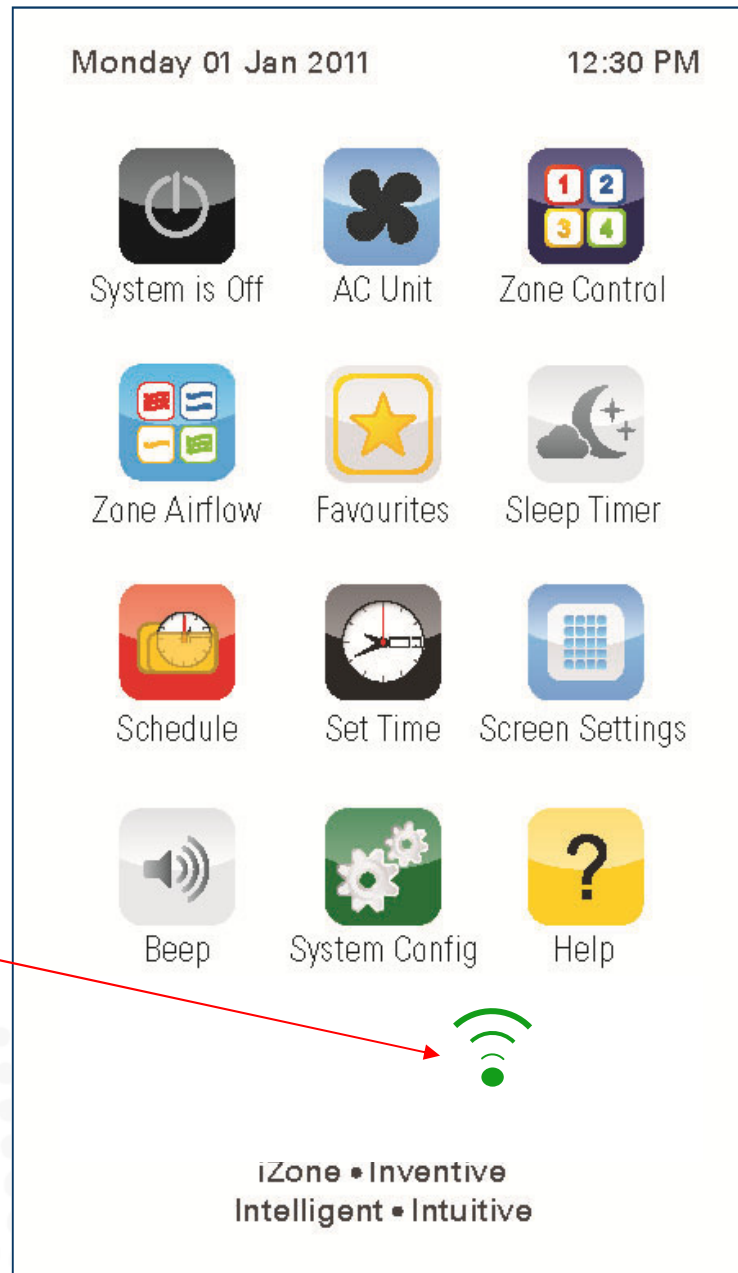
Wi-Fi router password

Type in the Wi-Fi password

Press the green enter button to save the password

Touch here to go back and save the changes.

3.5 Wi-Fi connection



A green symbol indicates the iZone system is now connected to Wi-Fi and ready to use

A grey symbol indicates the Wi-Fi Module (CHAM) is installed but has not been configured correctly

3.6 Smart Phone Configuration

You will need to download the iZone App onto your smart phone. When using Wi-Fi from inside the home / office you will not be required to enter a password just press login.

If you want to access the system using your smart phone from outside the Wi-Fi range you will need to subscribe to iZone World Wide. Go to <http://www.air-stream.com.au/izone-world-wide-service.html>

To subscribe you will need the serial number that is printed on your CHAM this is a nine digit number.

You will also be asked for a password which you should remember as you will need this password to access your system when you are trying to access your system from further afield.

To reduce the data usage there may be a slight delay between changing a function on your phone, and the system updating, when using iZone World Wide.

3.7 Home automation integration

iZone systems can be integrated into any home automation system that has an RS 232 or RS485 serial interface. The iZone home automation module is fitted as standard with RS 232 and RS 485 connectors for serial interface.

For serial interface specifications please download a copy of Airstream's Technical Catalogue at

http://www.air-stream.com.au/images/airstream_technical_catalogue.pdf

Your home automation integrator will need to write the suitable code to control your AC system. This service is not provided by Airstream or iZone.

3.8 Further assistance

1. If you require warranty or maintenance on your air conditioning system or iZone system you should contact your installation company.
2. If you want to add more zones or temperature control to any zone you should contact your installation company.
3. If you require assistance setting up or operating your iZone Home Automation Module contact:

Airstream Components
www.air-stream.com.au
info@air-stream.com.au
Phone 08 6254 2408

