

# 1. Add Chowmain generic IR thermostat. Use demo or activated license

The screenshot displays the Composer 2.5.3 software interface. The main window is divided into several panes:

- System Design:** A tree view on the left showing a system hierarchy. The "Generic IR Thermostat" is highlighted in blue. A tooltip above it reads "Chowmain Generic IR Thermostat".
- Properties:** A central pane showing configuration options for the selected thermostat. It includes radio buttons for "Fahrenheit" and "Celsius" (selected), a "View/Edit Schedule" button, and a "Vacation" button. There is a checkbox for "Use Remote Temperature Sensor" and radio buttons for "Buttons:" set to "Locked" and "Unlocked" (selected).
- Advanced Properties:** A pane at the bottom showing detailed settings for the device. It includes fields for "Activation Key" (demo-qyy14), "Activation Status" (09/09/14 09:22: FAILURE - Expired key), "Driver Version" (7.0.2), "Automatic Updates" (Off), and "Control4 MAC Address" (000FFF1560EF).
- Items:** A pane on the right showing a hierarchical list of system items, including Sites (Home, Work, Corporate), Buildings (House, Building, Office), Floors (Main, First, Second, Basement), and Rooms (Theater, Foyer, Living, Dining, Kitchen, Laundry, Bathroom, Master Bedroom, Front, Garage, Room).

The bottom of the screen shows the Windows taskbar with various application icons and the system tray displaying the date and time as 9:30 AM on 9/9/2014.

# 2.Go to connection

The screenshot shows the Director software interface. On the left, the 'Connections' panel displays a tree view of system components. The 'Generic IR Thermostat' is selected, and a tooltip shows 'Chowmain Generic IR Thermostat'. The main area displays the 'Control & Audio Video Connections' table.

Name	Type	Connection	Input/Output	Connected To
<b>Control Inputs</b>				
IR Sensor	Control	IR_OUT	Input	Multi X Gateway->IR Output
Contact Sensor	Control	CONTACT_SENSOR	Input	
<b>Room Control</b>				
Room Selection	RoomControl	TEMPERATURE	Output	Living->Temperature, yy bedroom->Temperature, Mas...
Room Selection	RoomControl	TEMPERATURE_CON...	Output	Living->Temperature Control, yy bedroom->Temperatu...

  

Device	Name	Location	Connections
--------	------	----------	-------------

Director Status: Getting Items

EN 9:25 AM 9/9/2014

### 3. Connect IR input of thermostat driver to IR output of Multi X. Connect temperature sensor at Contact Sensor

The screenshot displays the 'Composer 2.5.3' software interface. The left sidebar shows a tree view of 'Control/AV' and 'Network' components, including 'Multi X Gateway', 'Living', 'Livingroom Fan', 'Generic IR Thermostat', and 'yy bedroom'. The main window is titled 'Control & Audio Video Connections' and contains two tables.

**Generic IR Thermostat**

Name	Type	Connection	Input/Output	Connected To
<b>Control Inputs</b>				
IR Sensor	Control	IR_OUT	Input	Multi X Gateway->IR Output
Contact Sensor	Control	CONTACT_SENSOR	Input	
<b>Room Control</b>				
Room Selection	RoomControl	TEMPERATURE	Output	Living->Temperature, yy bedroom->Temperature, Mas...
Room Selection	RoomControl	TEMPERATURE_CON...	Output	Living->Temperature Control, yy bedroom->Temperatu...

**IR\_OUT Output Devices**

Device	Name	Location	Connections
Home Controller HC250	IR OUT 1	Living	Cable->IR Sensor
Home Controller HC250	IR OUT 2	Living	
Home Controller HC250	IR OUT 3	Living	
Home Controller HC250	IR OUT 4	Living	
Home Controller HC250	IR Blaster	Living	Receiver->IR Sensor, Television 2->IR Sensor
Card Access Z2R10A M...	IR Output 1	Living	
Card Access Z2R10A M...	IR Output 2	Living	
Multi X Gateway	IR Output	Living	Generic IR Thermostat->IR Sensor

Director Status: Idle Connected

# 4. At properties of Chowmain IR thermostat driver, go setup url

The screenshot displays the Compose 2.5.3 software interface. The main window is titled "Composer 2.5.3" and has a menu bar with "File", "Driver", "Go", "Tools", and "Help".

The interface is divided into several sections:

- System Design:** A tree view on the left showing a hierarchy of components. The "Generic IR Thermostat" is selected under the "yy bedroom" folder.
- Properties:** A central panel showing the configuration for the selected driver. It includes:
  - Temperature units:  Fahrenheit,  Celsius. Buttons for "View/Edit Schedule" and "Vacation" are visible.
  - Use Remote Temperature Sensor:  Use Remote Temperature Sensor.
  - Buttons:  Locked,  Unlocked.
  - Advanced Properties section at the bottom:

Manufacturer	
Model	
Setup URL	<a href="http://192.168.1.12:49526/">http://192.168.1.12:49526/</a>
Current Temperature	0
Current Mode	HEAT
Current Setpoint	23
Current Scale	CELSIUS
- Items:** A list of discovered items on the right, including "Locations", "Discovered", "My Drivers", and "Search". The "Discovered" section shows a tree of locations like "Sites", "Buildings", "Floors", and "Rooms".

The bottom status bar shows "Director Status: Idle" and "Connected". The Windows taskbar at the very bottom includes icons for Internet Explorer, Google Chrome, and other applications, along with the system clock showing "9:33 AM 9/9/2014".

## 5. Enter setup url at internet browser

- Upon entering the setup url
- You can see an option to upload the IR thermostat template file of split AC.
- Extravegetables offer templates of IR AC so that you don't have to learn the code one by one which is pretty laborious. Please approach [simon@extravegetables.com](mailto:simon@extravegetables.com) for more information.
- In this scenario, Multi X act as an IR blaster and emit the IR code obtained from Chowmain Generic IR thermostat.