

WiFi Smart

Operation Manual

WiFi Smart
Phone and PC App

Compatible Wall Mount Models

P Series	X Series	Y Series
DCP09NWB11S	DCX09NWB11S	DHY09NWB21S
DCP12NWB11S	DCX12NWB11S	DHY12NWB21S
DCP09NWB21S	DCX09NWB21S	DHY18NWB21S
DCP12NWB21S	DCX12NWB21S	DHY24NWB21S
DCP18NWB21S	DCX18NWB21S	
DCP24NWB21S	DCX24NWB21S	
DCP30NWB21S	DHX09NWB11S	
DCP36NWB21S	DHX12NWB11S	
DHP09NWB11S	DHX09NWB21S	
DHP12NWB11S	DHX12NWB21S	
DHP09NWB21S	DHX18NWB21S	
DHP12NWB21S	DHX24NWB21S	
DHP18NWB21S		
DHP24NWB21S		
DHP30NWB21S		
DHP36NWB21S		



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About WiFi Smart

The WiFi Smart app works with a wall mount Wireless Interface to enable remote control of Cooling and Heating from a smart phone. The app is capable of controlling your wall mount unit by either Direct Connect or Cloud Connect.

- **Direct Connect** – This function enables the phone to connect directly to the unit and act as a remote controller.

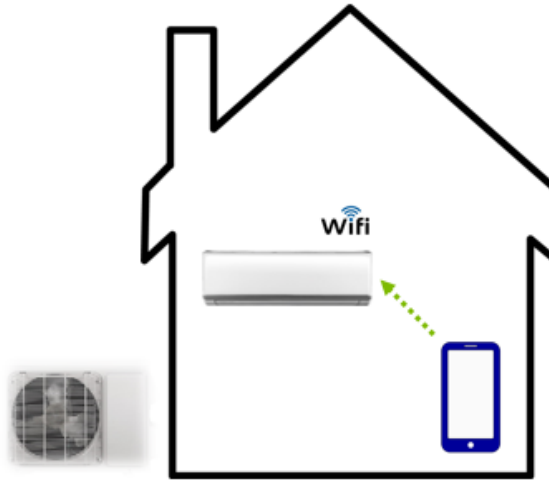


Figure 1 – Direct connect method

- **Cloud connect** – This function lets you control your AC remotely by connecting your air conditioning unit to your home router.

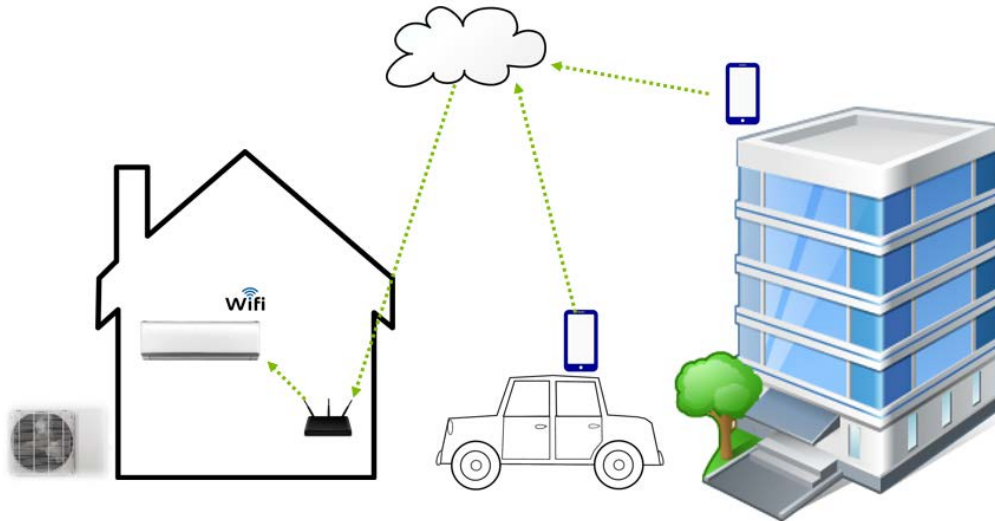


Figure 2 – Cloud connect method

Getting Started

Wi-Fi Hardware installation

A trained professional should install the Wi-Fi equipment before setting up the Wi-Fi Smart app. Only a trained professional should complete installation to prevent electric shock or personal injury. Your home must be equipped with a home wireless network with Internet connection. The wireless network name and password should be noted and are required to complete setting up the app.

Table 1 shows a list of compatible wall mount units. All Z series models have the Wi-Fi module pre-installed. To upgrade the unit to be Wi-Fi capable, a Wi-Fi adapter is needed. The model number of the Wi-Fi adapter is listed in **Table 2**. Reference Document DFS-WIFIINSTL-2017A for further installation instructions.

Table 1 – Compatible wall mount models

P series	X Series	Y Series
DCP09NWB11S	DCX09NWB11S	DHY09NWB21S
DCP12NWB11S	DCX12NWB11S	DHY12NWB21S
DCP09NWB21S	DCX09NWB21S	DHY18NWB21S
DCP12NWB21S	DCX12NWB21S	DHY24NWB21S
DCP18NWB21S	DCX18NWB21S	
DCP24NWB21S	DCX24NWB21S	Z Series
DCP30NWB21S	DHX09NWB11S	DHZ09NWB21S
DCP36NWB21S	DHX12NWB11S	DHZ12NWB21S
DHP09NWB11S	DHX09NWB21S	DHZ18NWB21S
DHP12NWB11S	DHX12NWB21S	
DHP09NWB21S	DHX18NWB21S	
DHP12NWB21S	DHX24NWB21S	
DHP18NWB21S		
DHP24NWB21S		
DHP30NWB21S		
DHP36NWB21S		

Table 2 – Wi-Fi module part number

PART NO.	DESCRIPTION
CS532AH	WIFI Adapter for P, X, and Y Series

Download and Install APP

Download and install the WiFi Smart app on your phone from either the App StoreSM or Google PlayTM.


Once in the store, search for **WiFi Smart**. The app should appear as the first option as shown in **Figure 3**. Follow the instructions to install the app. After the installation is complete, the WiFi Smart icon  appears on your home screen.



Figure 3 – App store search

Creating an account

After you install the Wi-Fi Smart app, create an account by completing the following steps. Reference Figure 4 for step-by-step illustrations

- 1) Select the App menu button.
- 2) Click Login
- 3) Select the Register username link.
- 4) Enter all your information making sure to create a secure username and password.
- 5) Click Register
- 6) You will receive an email at the address provided that contains a verification code. Enter the verification code in the designated field (6).
- 7) Click OK to complete registration.

First-time users are required to set up an account to operate the app using the cloud connect method. If you already have an account, and know your username and password, log in to continue using the WiFi Smart app.

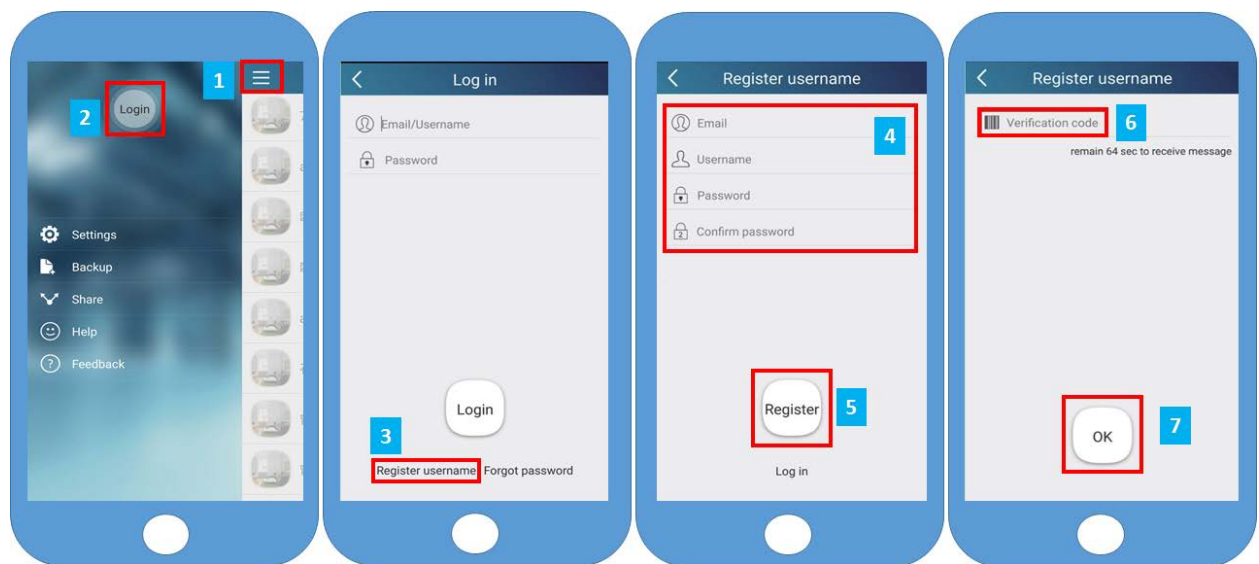


Figure 4 – Account setup

Resetting account

- 1) On the Login page, click the Forgot password link.
- 2) Enter the email address you used to register the WiFi Smart app.
- 3) Click the Get verification code link.
- 4) You will receive an email at the address you provided that contains a verification code. Enter the verification code in the designated field (See Figure 4.)
- 5) At the prompt, enter a new password.
- 6) Click OK to complete the password reset process

Setting up Direct Connect

This function enables the phone to connect directly to the unit and act as a remote controller. Reference Figure 5 for step-by-step illustrations

Important: You must reset the Wi-Fi module before proceeding to connect the unit. Reset the remote by pressing and holding the Turbo and Mode buttons simultaneously for 10 seconds. The indoor unit will beep once to indicate the Wi-Fi module reset is successful.

- 1) From your mobile device, go to Wi-Fi settings. Search for the AC Wi-Fi adapter. The name of the AC Wi-Fi adapter is the last 8 characters of the MAC address which can be found on the labels located on the Wi-Fi module.
- 2) Enter the Password for the Wi-Fi module, the password is always 12345678.
- 3) When the adapter is shown as connected.

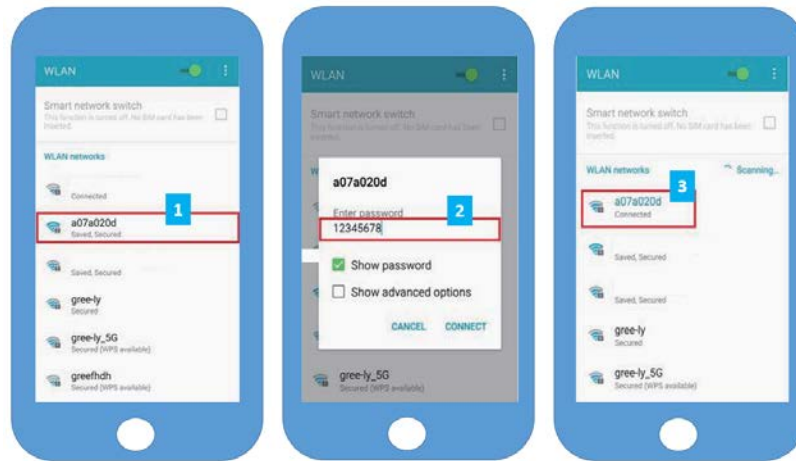


Figure 5 – Connecting phone directly to the unit

- 4) Launch the WiFi Smart app. The AC should appear in the app (Figure 6). Note that the AC name is the same as the last one the app will have; that is, the same last 8 characters of the MAC address.



Figure 6 – Launching the App

Setting up Cloud Connect

This function connects your air conditioning unit to your home router, enabling you to control your AC remotely.

Auto configuration (recommended):

Important: You must reset the Wi-Fi module before proceeding to connect the unit. Reset the remote by pressing and holding the Turbo and Mode buttons simultaneously for 10 seconds. The indoor unit will beep once to indicate the Wi-Fi module reset is successful.

- 1) From your mobile device, go to Wi-Fi settings and connect to your home Wi-Fi router. Launch the WiFi Smart app. Connect to the indoor unit(s) by selecting the + sign in the top right corner.
- 2) Select Add device.
- 3) Select the Auto option in the top right hand corner. This option will complete setting up the unit(s) automatically.
- 4) Enter the Router name and Router password to complete the required information for your home router.
- 5) Press the configuration button. After you connect each unit, the indoor unit(s) beep.
- 6) After the unit(s) are connected, the app displays a Configuration successful message.
- 7) Press the back bottom to return to the app home screen. Allow up to 30 seconds for the indoor units to appear and connect to the cloud.

Reference **Figure 7** for step-by-step illustrations.



Figure 7 – Auto Configuration

Setting up Cloud Connect (continued)

Manual Configuration:

Important: You must reset the Wi-Fi module before proceeding to connect the unit. Reset the remote by pressing and holding the Turbo and Mode buttons simultaneously for 10 seconds. The indoor unit will beep once to indicate the Wi-Fi module reset is successful

- 1) From your mobile device, go to Wi-Fi settings and connect to your home Wi-Fi router. Launch the WiFi Smart app. Connect to the indoor unit(s) by selecting the + sign in the top right corner. You can configure only one indoor unit at a time by manual configuration.
- 2) Select Add device.
- 3) Press the Next button.
- 4) Complete the required information for your home router.
- 5) Press the Configuration button.
- 6) After you connect each unit, the indoor unit beeps.
- 7) After you connect each unit, the app displays a configuration successful message.
- 7) Press the Back bottom to return to the app home screen. Allow up to 30 seconds for the indoor unit to appear and connect to the cloud.

Reference **Figure 8** for step-by-step illustrations.

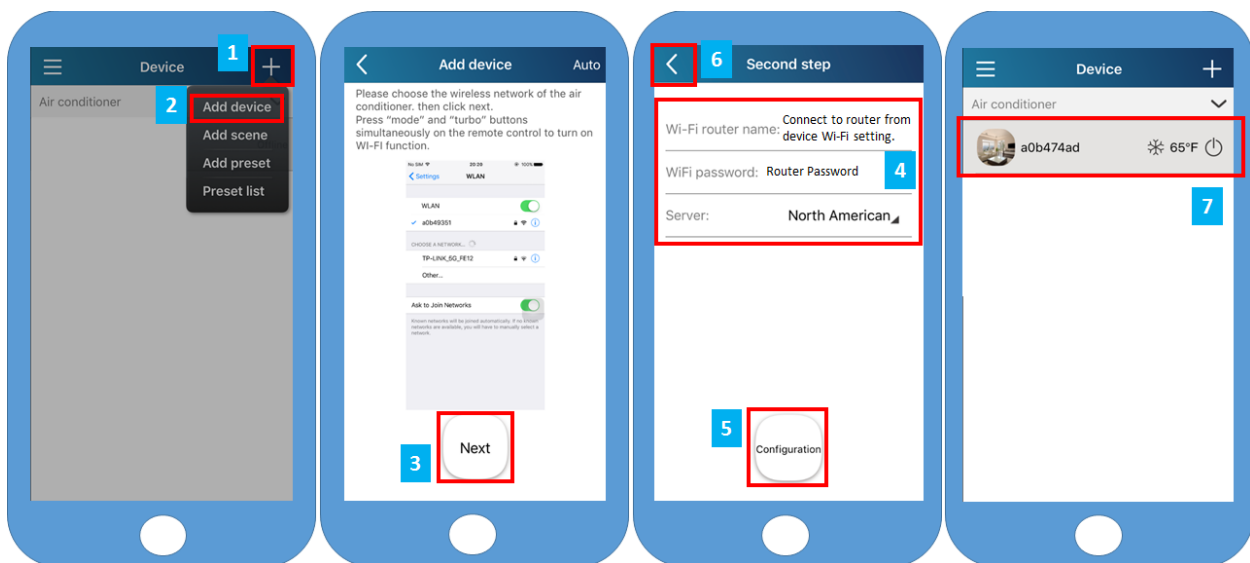


Figure 8 – Manual Configuration

Notice: Each indoor wall mount unit can be controlled by a maximum of 4 mobile devices at the same time.

Unit Customization

Once all indoor units are configured on the WiFi Smart app, it is helpful to assign a name for the indoor wall mount units. This is particularly helpful when there are multiple indoor units controlled by the same mobile device.

- 1) Tap and hold the indoor unit device until a pop-up menu appears.
- 2) Select Edit device.
 - Highlight the default name, and replace it with the desired device name.
 - WiFi Smart app gives you the option to customize the image icon.
 - Press the image icon. A menu displays the option to use.
 - a. Default image from the app image bank
 - b. Allows you to take your own picture of the device
 - c. Use an existing image from your phones gallery.
 - Press Save and the updated unit name/image appears on the home screen.

Reference **Figure 9** for step-by-step illustrations.

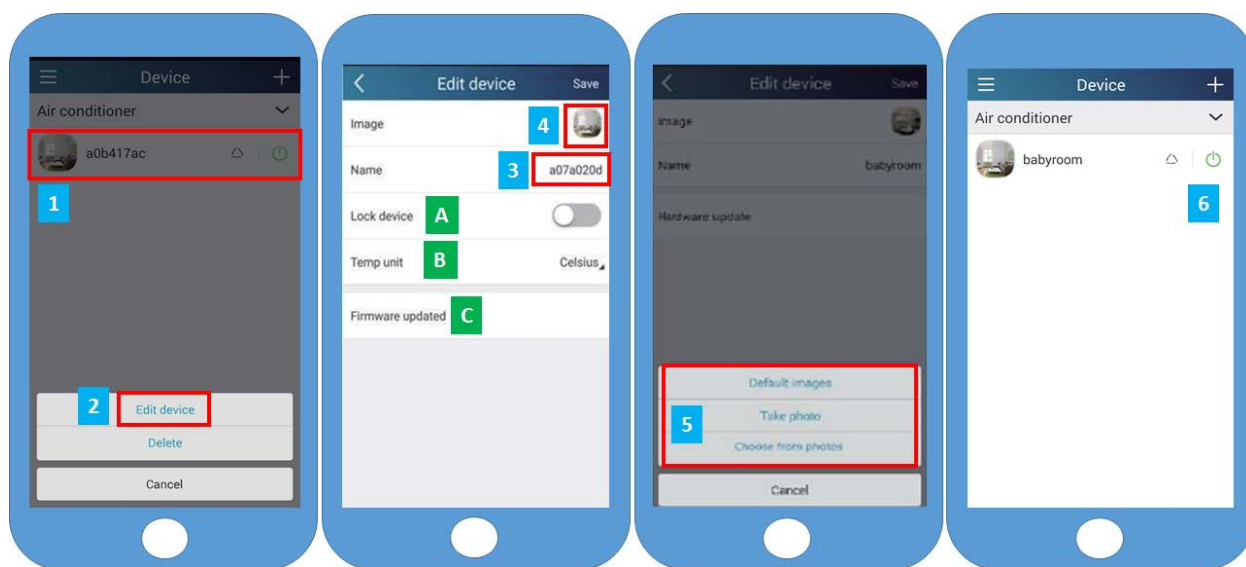


Figure 9 – Manual Configuration

Note:

A

The Firmware update option allows you to push any factory updates to the Wi-Fi module. This is only used when instructed to update the Wi-Fi hardware.

B

Temp Unit lets you select the Temperature measurement unit which then allows you to select either Fahrenheit or Celsius.

C

Locking the device prevents other phones in the household from operating the locked device. Only the phone that locked the device can operate it.

Schedule setting (Preset)

After all indoor units are configured on the WiFi Smart app, assign a name for the indoor wall mount units. This is particularly helpful when there are multiple indoor units controlled by the same mobile device.

- 1) From the home screen tap the + button.
- 2) Select Add preset.
- 3) Select the time of the preset occurrence.
- 4) Select the name of the preset, the units this preset are applied to, if this is an On or Off reset, (separate on/off presets must be setup), and finally select applicable days.
- 5) Tap the Save buttons. To add additional presets, repeat steps 1-4.
- 6) Review Preset list by pressing the + button and selecting Preset list. The screen displays all preset lists created and gives you the ability to turn them on/off and make changes.

Reference **Figure 10** for step-by-step illustrations.

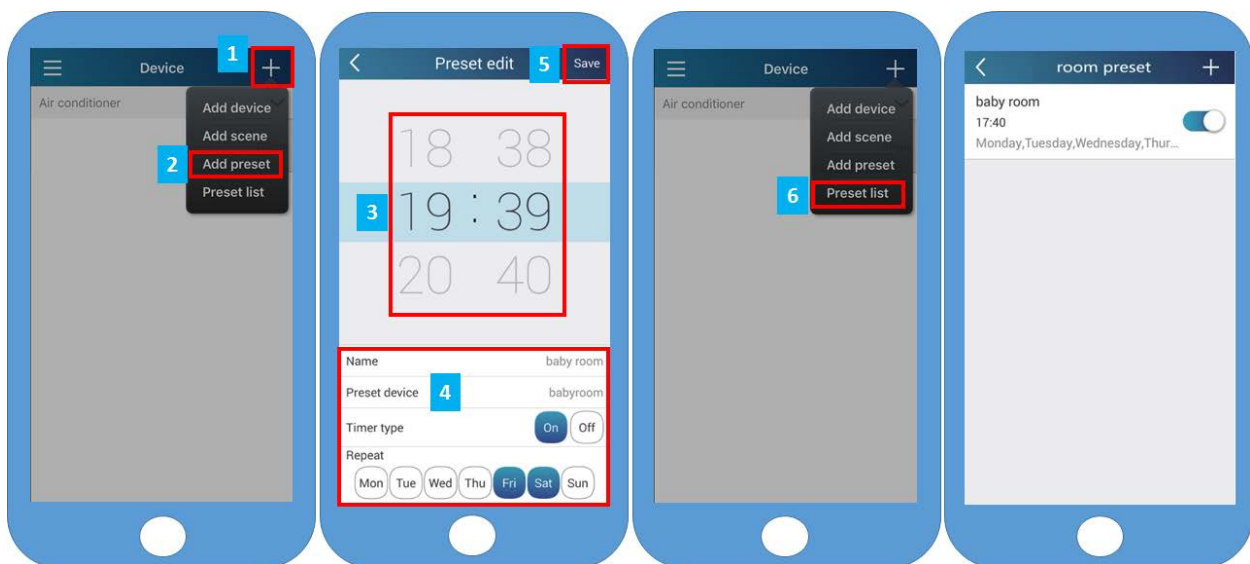






Figure 10 – Preset menu

Buttons and Functions

The WiFi Smart app provides a wide range of control options, these option can be explored in this section.

- 1) From the home screen, select the unit you want to operate.
- 2) Press the power button.
- 3) The (+) and (-) buttons enable you to increase and decrease the temperature set point.
- 4) The list of control functions are:
 - a.  Control the fan speed of the unit.
 - b.  Control louver position in the up/down direction.
 - c.  Control louver position in the right/left direction.
 - d.  Control Preset options.

Reference **Figure 11** for step-by-step illustrations.

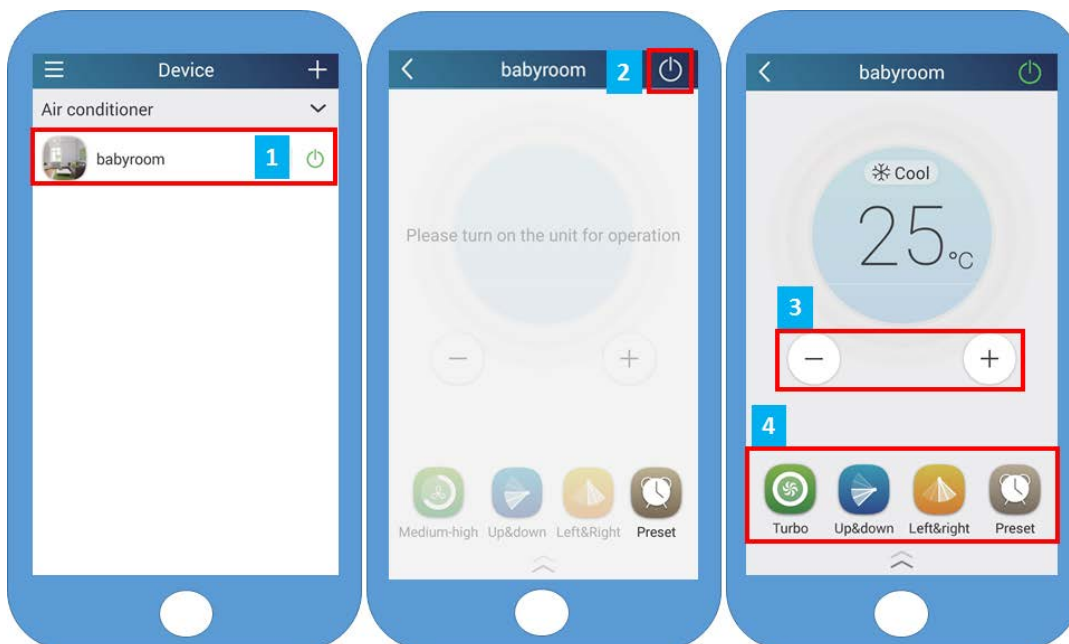






Figure 11 – Control options

Fan speed control:

This menu allows you to control the fan speed operation of the unit

- 1) From the unit's home screen, select the  button to enter the Fan menu.
- 2) Hold and move the fan knob for a custom fan setting.
- 3) The fan control options include:
 - a.  Turbo for maximum fan speed
 - b.  Auto enables the user to select a custom fan speed
 - c.  Quiet for minimum fan speed.

Reference **Figure 12** for step-by-step illustrations.

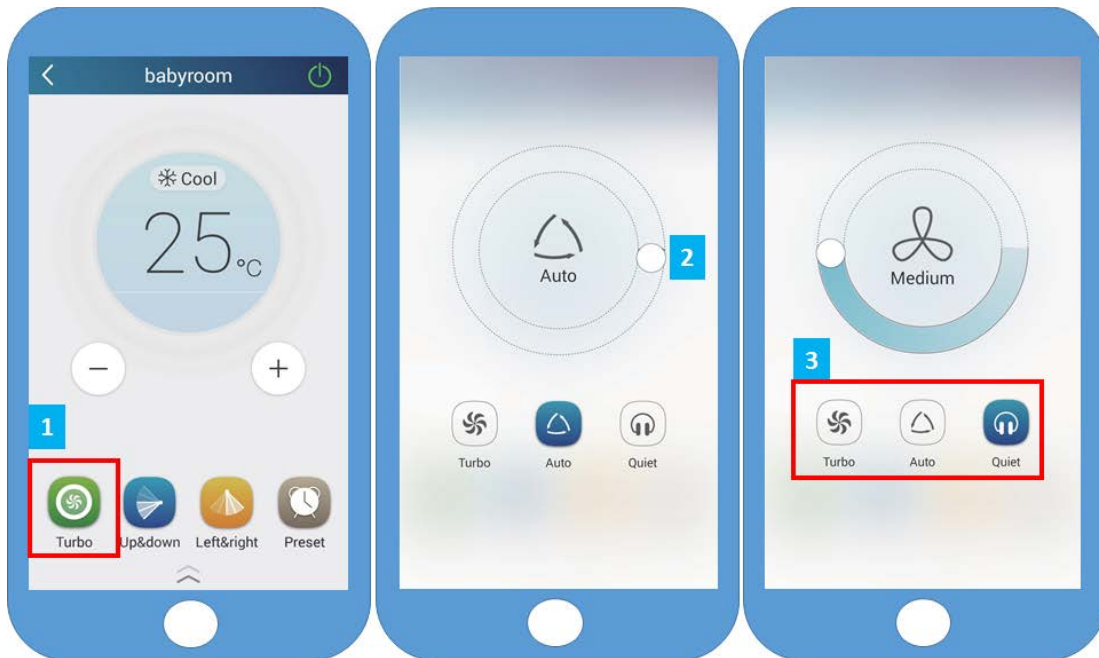




Figure 12 – Fan speed control options

Louver control:

This menu allows the user to control the louver setting. Some models allow 4-way louver control. Other models only allow up/down control.

- 1) From the unit's home screen, select the   button to enter the Louver menu.
- 2) For Fixed louver location
- 3) Select louver position.
- 4) Press Accept
- 5) For setting a Region of louver movement
- 6) Select Louver region of movement.
- 7) Press Accept

Reference **Figure 13** for step-by-step illustrations.

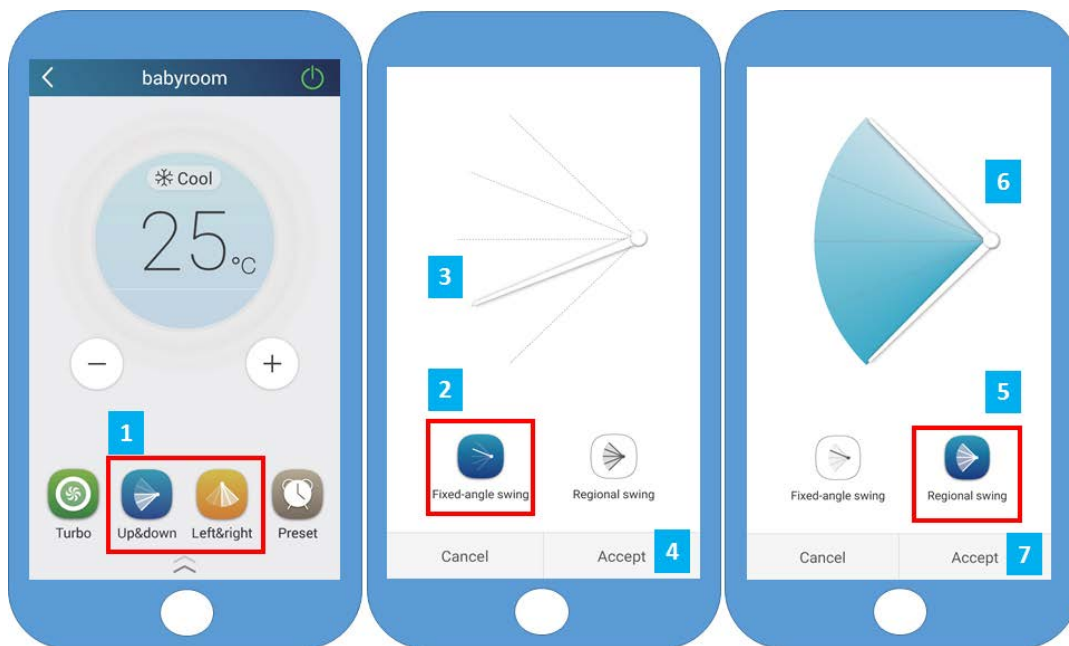







Figure 13 – Louver control options

Mode of operation

- 1) Press the button above the displayed temperature.
- 2) Mode options are shown on this screen:
 - a.  Auto mode enables the Auto changeover feature.
 - b.  Cool mode operates the unit in cooling.
 - c.  Heat mode operates the unit in heating.
 - d.  Fan mode circulates the indoor air without heating or cooling.
 - e.  Dry mode operates the fan at a low speed and keeps the louvers in a fixed position.

Reference **Figure 14** for step-by-step illustrations.

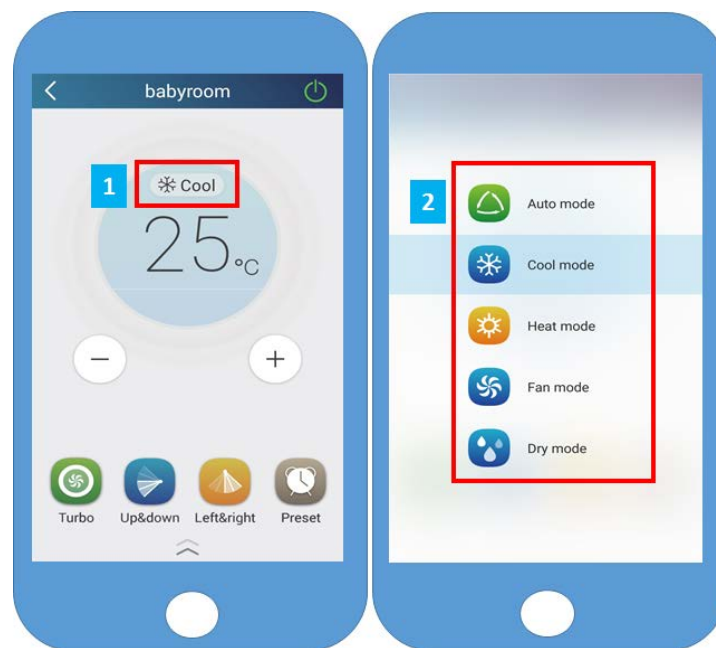








Figure 14 – Mode of operation

Note: In Auto mode the unit is set at a fixed temperature of 77°F in cooling and 68°F in heating. A set point cannot be selected in this mode.

Advanced control options

- 1) Press the arrow at the bottom of the home page.
- 2) A list of advanced options are shown:
 - a.  Air mode circulates the indoor air without heating or cooling.
 - b.  Dry mode operates fan at low speed and keeps louvers in a fixed position.
 - c.  Health mode keeps the fan running after reaching set point. This allows the coil to dry out, preventing mold/mildew growth.
 - d.  Sleep mode enables the unit to automatically adjust the temperature after a period of time.
 - e.  Light turns on/off the display of the indoor unit.
 - f.  Energy saving runs the unit in factory settings.

Reference **Figure 15** for step-by-step illustrations.

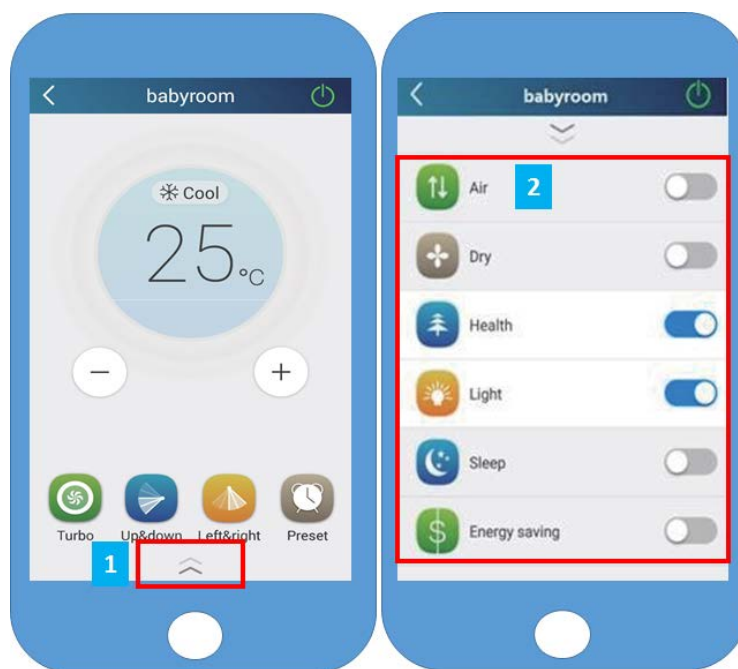


Figure 15 – Advanced options

Multi-unit Control (Adding Scene)

This function allows the user to control multiple units on/off simultaneously. This function is especially helpful when wall mount units are installed throughout the house.

- 1) From the home screen, tap the + button and select Add Scene.
- 2) Select program name. Also tapping the image icon allows you to change the image.
- 3) Press the (+) button to add program.
- 4) Select the unit that is being added to the program.
- 5) Select type of program, on or off (Note: a separate scene is required for on/off operation).
- 6) Tap the Time button to select the time delay between each operation.
- 7) Select the desired delay time then press Accept.
- 8) The Scene appears on the home screen.
- 9) Press the scene image on the home screen to run the program.

Reference **Figure 16** for step-by-step illustrations.

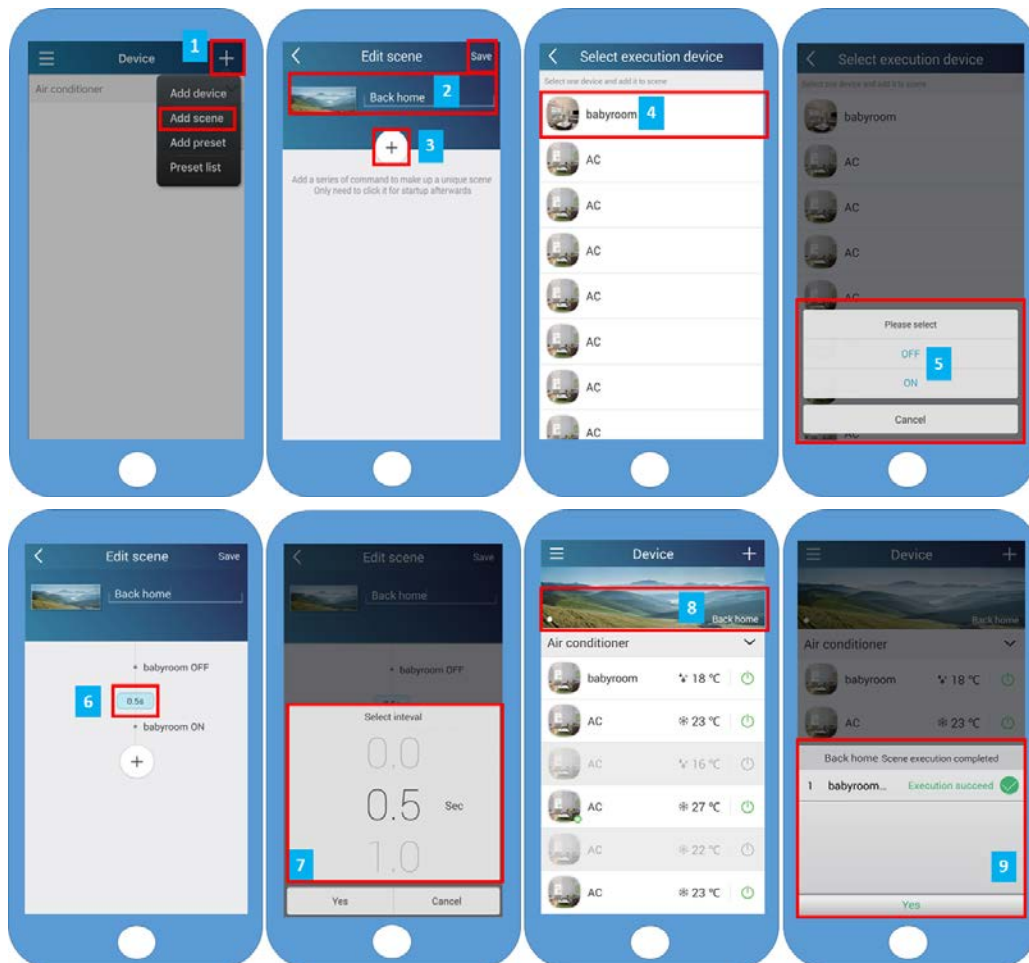


Figure 16 – Multi-unit Control (Adding Scene)

FAQs

How many phones can operate the units at the same time?

Up to four devices can be used simultaneously.

Can both the remote controller and phone app be used at the same time to control the unit?

Yes. However, the most recent command takes effect.

Can you control the unit by using both the Wi-Fi mobile device app and a wired controller at the same time?

No. the indoor unit only supports either a wired zone controller or the Wi-Fi mobile device app.

Where can I find the MAC address of the Wi-Fi module?

The Mac address is printed on the label located on the Wi-Fi module. It is the last 8 characters.

What is the Password for the Wi-Fi adapter?

The password to the module is always 12345678.

How many units or zones can be controlled by the WiFi Smart app?

There is not a limit to the number of zones/units.

Does Auto mode use a single or dual set point?

Auto mode the unit is set at a fixed temperature of 77°F in cooling and 68°F in heating. A set point cannot be selected in this mode.

For additional assistance, contact:

Customer Support: 1+844.873.4445, Opt 1
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