



airtouch⁵

User Manual

Getting Started

Quick Start - Console	2
Using AirTouch 5	4
Inside the Quick Menu	5
Adjusting Zone Airflow	6
Adjusting Zone Temperature	7
Intelligent Temperature Sensor (ITS)	8
Quick Timer	9
Sleep/Away Modes	10
Programs	11
Favourites	15
Insights	18
Using Android on AirTouch	19
Favourite Apps	20
AirTouch 5 Mobile App	21
Smart Integrations	22

Settings

Options - WiFi & Internet Setup	24
Options - Software Updates	25
Changing Your Theme	26
Smarts - Geofencing	27
Smarts - Weather Adaption	27
Smarts - Home Temp Limits	28
Smarts - Sleep & Away Mode	28
Screen Lock	29
Pairing ITS Sensors	30
Replacing the Battery (ITS)	31
Naming Your Zones	32
Zoning & Balance Table	33
Troubleshooting	34
Specifications	36
Icon Appendix	37

Quick Start - Console

AC Unit On/Off
Hold down to set Quick
Timer/ Sleep/Away Modes

Favourite Apps

Active Favourite

Outside Weather

Zone Power

Hold down for
Turbo Mode, see p4

Zone Set Point/Airflow
See p7 for control
instructions. To rename
your zones, see p32

Zone Current
Temperature

Current Temperature
& Set Point

Temperature
Adjustment Dial

Quick Menu

Fan Speed

Mode

Cool, Heat, Fan, Dry,
Fresh & Auto (Modes
vary by Unit)

AC Status Light

Blue - Air Conditioner On
Red - Air Conditioner Off
Flashing - Error

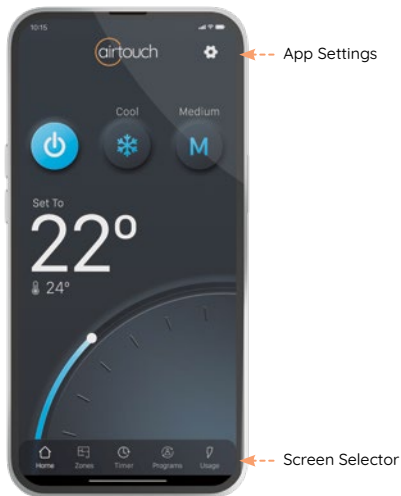


Dial is hidden if all zones have ITS

Quick Start - Mobile

Some Settings & Zone names setup on the AirTouch Console will be replicated in the App.

Home Screen



Zones Screen



Dial is hidden if all zones have ITS

Using AirTouch 5

To turn On or Off AC, tap the Power button.

To change the Mode or Fan Speed tap the corresponding button then select the desired option.

To turn On or Off a Zone, tap the Power button.



Turbo Mode

To Activate Turbo Mode, long press the zone power button.

For high volumes of conditioned air in a single zone, AirTouch's Turbo Zone feature can cool or warm a single zone quickly; or can be useful when there is a lot of activity and you need more conditioned air than normal.

Spill Zone/Bypass

Spill and Bypass are safety features AirTouch uses to protect your system. They are automatically activated when not enough zones are open.

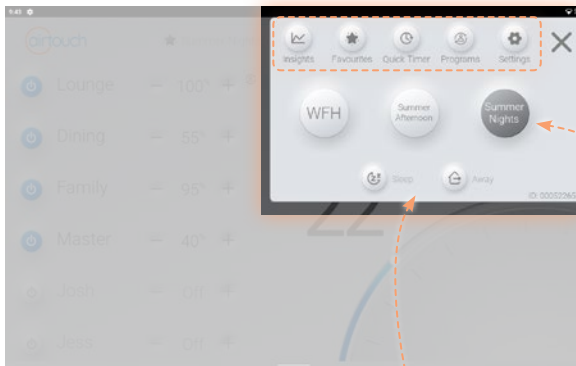
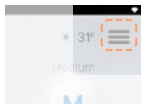
Spill opens the indicated zone automatically, even if you have set the zone to be closed.

Bypass uses an extra damper in your roof, all zones continue to behave as set.

To change the Set To temperature, tap & hold the dial, then swipe clockwise/counter clockwise.

Inside the Quick Menu

To open the Quick Menu, tap the icon in the top right



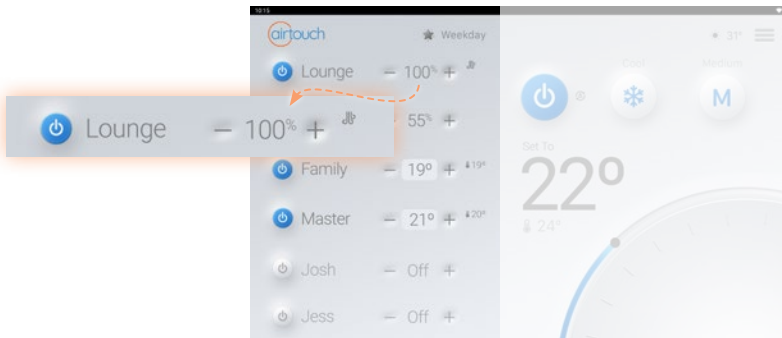
To access AirTouch features, tap the desired tab in the Quick Menu

For fast access, Favourites are displayed in the Quick Menu, tap one to select it. More on Favourites can be found on p15

Sleep and Away mode can be applied to all AC units from here. More on Sleep/Away on p10

Adjusting Zone Airflow

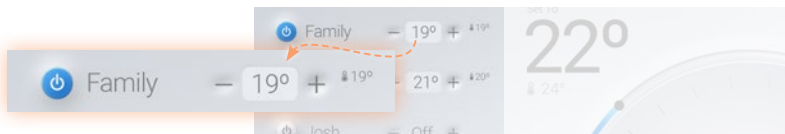
Use the + and - buttons next to the zone names to increase or decrease the airflow in 5% increments. Hold the buttons to adjust at a faster rate.



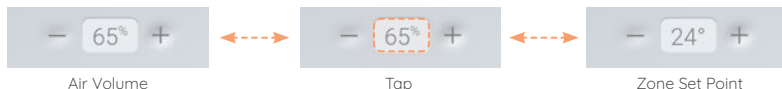
Your zone names are on the left of the home screen. To rename your zones see p32. By default, AirTouch lets you control the air volume in % for each zone.

Adjusting Zone Temperature

If a zone has ITS (p8) installed, it can be controlled by temperature or airflow, these Zones are specified with a around the value of the zone.



To switch between °c and % Set Value for the zone, tap on the to select the alternate mode.



Use the + and - buttons to increase or decrease the **Set Point** or **Airflow** in an individual zone. In **Set Point** mode the air volume will automatically adjust according to the difference of set temperature and measured temperature in the zone.

Note: If 'Zones lock to temp control' is ticked in Installer Settings, the zones will only have setpoint display.

Intelligent Temperature Sensor (ITS)

ITS sensors allows you set independent temperatures for each zone that contains a sensor. Additionally, they work as a remote switch & AC sensor. By default the switch works as a zone switch, advanced setup allows these sensors to power on/off the AC unit and/or the zone.

Pairing ITS see p30

Replacing the Battery see p31

Zone Switch (default)

Press the button once to check the status of your Zone

 Blue Light = Zone On

 Red Light = Zone Off

Press the button again to change between On or Off

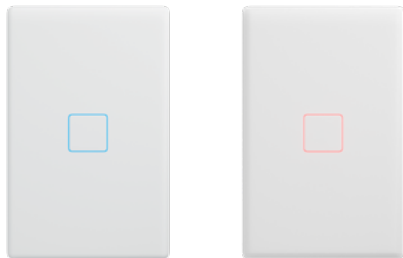
AC Sensor

Press the button once to check the status of your AC

 Green Light = AC On





 Red Light = AC Off

If AC Switch is enabled, press the button again to change between On or Off



Zone + AC Switch

Press the button once to check the status of your AC/Zone

	AC	Zone
 Aqua	✓	✓
 Red	x	x
 Green	✓	x
 Blue	x	✓

Press the button again to change both AC and Zone between On or Off

[Click Here](#)
For more information on ITS as an AC Switch

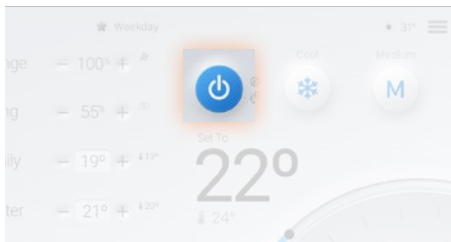
[Click Here](#)
Jump to pairing your ITS Sensor (p30)

Quick Timer

The Quick Timer is an easy to use timer for your AC Unit.

To set the Quick Timer, hold the AC Unit Power button.

Quick Timer can also be set by going to Quick Menu>Quick Timer.



Setting the Quick Timer from the Home screen allows you to select a timer in hours/minutes.

Setting the Quick Timer from the Quick Menu allows you to select a specific time to turn the AC unit On/Off.

When a Quick Timer is active, ⌚ will appear next to the AC unit power button.

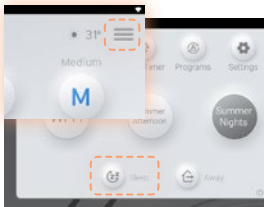
To view or remove timers, go to Quick Menu>Quick Timer

Sleep/Away Modes

AirTouch 5 has a number of easy to use features that help you save energy by reducing your air conditioner's run time, while keeping you comfortable.

Sleep Mode

Sleep Mode can help reduce your energy used by periodically increasing (Cool)/ decreasing (Heat) the set point each hour for 3 hours. Helping you get to sleep comfortably, then reducing your energy usage once you are asleep.



Sleep Mode can be activated from the **Quick Menu** or by long pressing the **AC Power** button when the unit is on.

Sleep Mode only works in Cool and Heat modes.

Away Mode

Away Mode can help reduce your energy used by allowing you to set a max/min temperature that you want your home to remain within.



Away Mode can be activated from the **Quick Menu** or by long pressing the **AC Power** button when the unit is on.

To adjust the parameters of Away Mode, go to **Quick Menu>Settings>Smarts>Sleep/Away** then select your max and min points.

Programs

AirTouch's Programs feature allows you to automate your climate control.

You can have up to 16 programs.

Programs can be turned On and Off (enable/disable) so you can easily set your home for different parts of the year.

When a program is enabled, the programs icon will appear next to the AC power button and zone for all AC's and zones that will be turned On by the program.



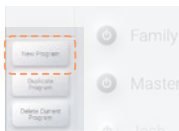
When a program ends, AirTouch will revert all zones and units which are not included in the program to their state before the program started. All Zones and AC's included in the program remain off.

Setting Up Programs

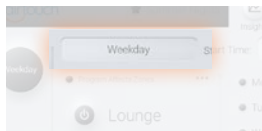
- 1 Open the Quick Menu & select Programs tab



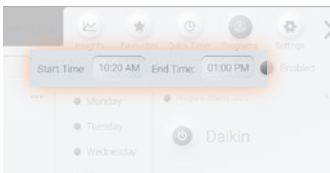
- 2 Select New Program in the bottom left



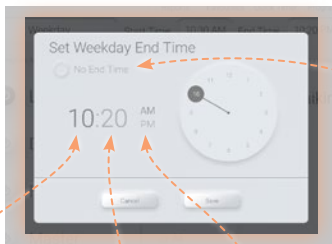
- 3 Set a name for your Program



- 4 Set a Start & End Time



- 4a Setting a Start/End Time



To set no end time. Select the no end time button

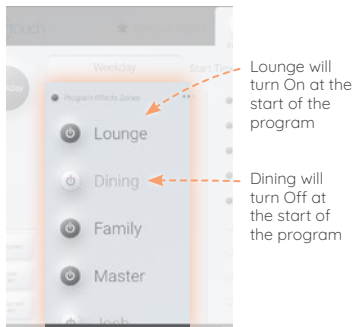
Select Hour then slide the hand to the hour you want

Select Minute then slide the hand to the Minute you want

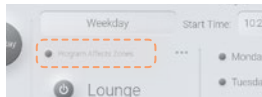
Select Am or Pm

Setting Up Programs

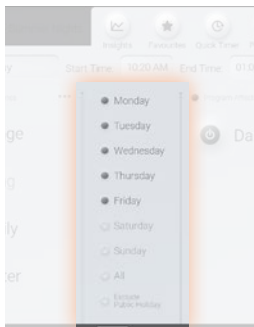
- 5 Set Zones to either turn On or Off at the start of the program



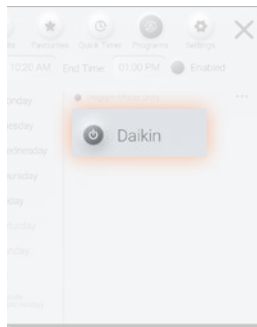
If you want this Program to only affect the AC unit, uncheck Program Affects Zones



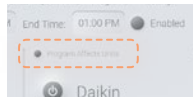
- 6 Select what days you would like this program to repeat on



- 7 Set the Unit to On or Off



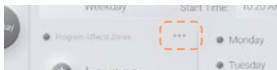
If you want this Program to only affect Zones, uncheck Program Affects Units



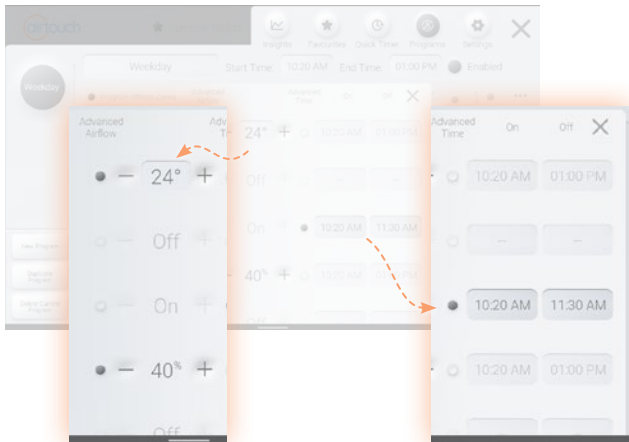
Setting Up Programs - Advanced

Advanced features are available with programs. To setup, follow programs set up steps: 1 to 7. Within advanced programs, zones can have a different set point and/or a different start/end time within the master program time. Advanced Unit controls allows you to program the Mode, Fan Speed and Set Point of your unit.

- 8 Open the advanced zone options, tap the ellipsis



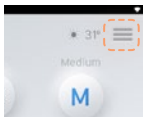
- 9 Select any specific settings you would like. To disable an advanced feature, uncheck the advanced airflow/time button



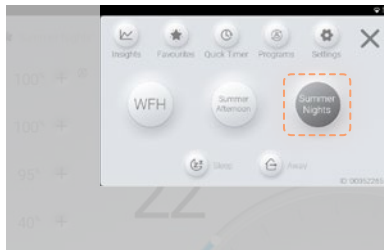
Favourites

AirTouch's Favourites feature allows you to save your climate control scenarios for quick access. Favourites can control Zones, and/or your AC unit. You can set up to 9 different Favourites.

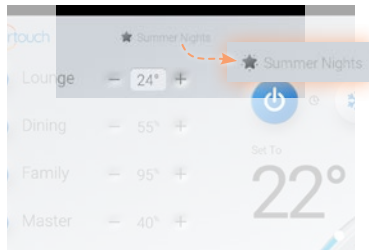
- 1 Open the Quick Menu



- 2 Select your Favourite



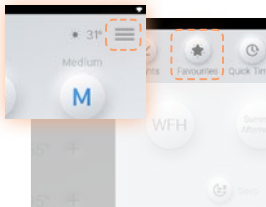
- 3 Active Favourite will be displayed above the zones



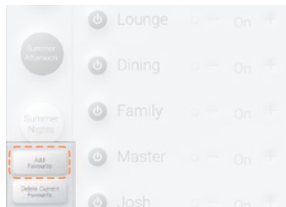
Favourites can be set to control Zones, the AC Unit, or both at the same time, allowing you to customise your quick access controls to your needs.

Setting Up Favourites

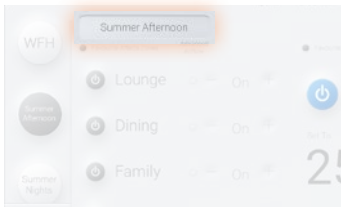
- 1 Open the Quick Menu & select Favourites tab



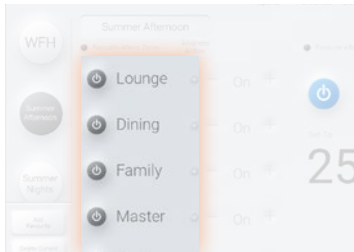
- 2 Select Add Favourite in the bottom left



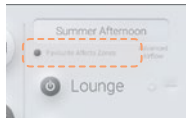
- 3 Set a name for your Favourite



- 4 Select Zones that you would like to turn On/Off



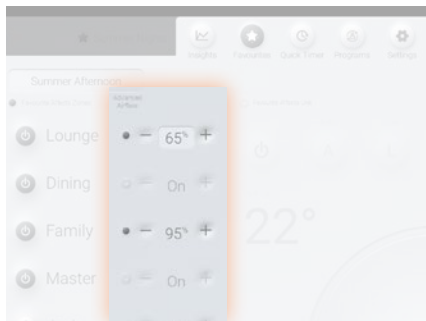
If you want this Favourite to only affect the AC unit, uncheck Favourite Affects Zones



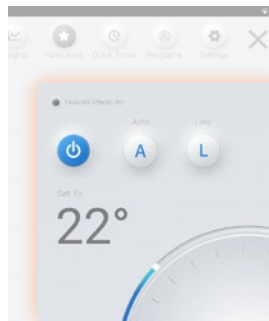
Setting Up Favourites

- 5 If you want to specify the level of a zone setting, select **Advanced Airflow** then set the temperature or percentage

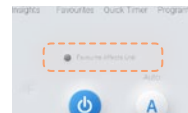
Zones not selected for Advanced Airflow will turn On/Off to their current value at the time the Favourite is activated



- 6 Select the settings for your AC Unit: Mode, Fan Speed and Set Point will be adjusted by the Favourite



If you want this Favourite to only affect the Zones, uncheck **Favourite Affects Unit**



Note: The AC Set Point will follow the zones' set point if a temperature has been selected with **Advanced Airflow**

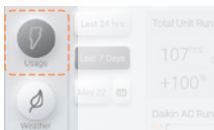
Insights

The Insights tab on AirTouch contains all the usage data from your system to help you use it better. Insights also contains relevant weather information to help you use your AC efficiently.

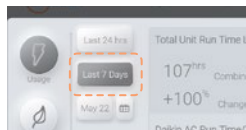
- 1 Open the Quick Menu & select Insights tab



- 2 Select Usage on the left



- 3 Select a time scale



- 4 Tap the arrow to open/close each section



The Insights tab also contains current weather for your suburb, to access this page go to:

Quick Menu>Insights>Weather

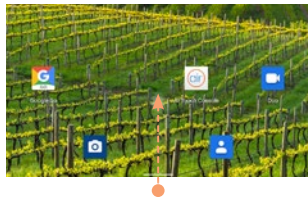
Using Android on AirTouch

AirTouch 5 runs on Android 11, this allows you to use the console the same way you would as a regular tablet, making AirTouch the perfect hub for your smart home.

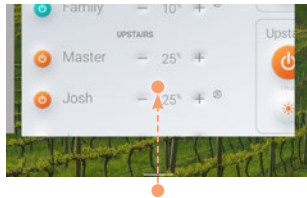
Any compatible apps can be installed through the Play Store, found on the home screen.

Navigating Android

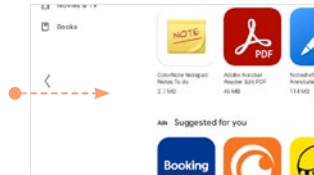
To return to the home page, swipe up from the bottom and release



To view, change between and close apps that are currently open, swipe up from the bottom and hold. Either tap an open app to select it or swipe up on the app to close it



To go back a page, swipe right from the left of screen



Disclaimer:

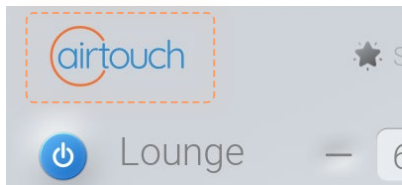
We cannot offer support for third party applications installed to, or modifications to the general settings of the Android OS installed on your AirTouch Console. While unlikely, installing third party applications, modifying the settings of or updating the Android OS of the AirTouch 5 Console may cause AirTouch to dysfunction.

Favourite Apps

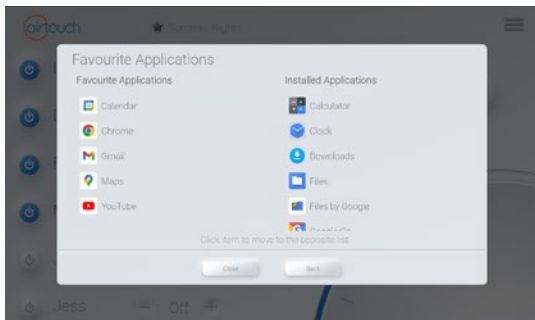
The AirTouch logo is a gateway to all your most used apps in a convenient place. Simply tap the AirTouch logo to bring up the **Favourite Apps** list.

The list can easily be edited by tapping the **Manage List** button.

- 1 Tap the AirTouch logo in the top left



- 2 Select your favourite app or tap the Manage List to add/remove apps



AirTouch 5 Mobile App

Install the AirTouch 5 App through the Apple App Store or Google Play Store. After downloading the application, follow the prompts to link to your AirTouch console.

AirTouch 5 is compatible with:

iOS 11.0 and above

Android 6.0 and above



NOTE: If a mobile device is connected to the same WiFi network as your AirTouch 5, the app will automatically direct you to the control interface. Alternatively, if you are unable to access the control interface, you will be prompted for the AirTouch ID and password to continue. The AirTouch ID can be found in the bottom of the Quick Menu on the console.

When away from home the app will connect to AirTouch using your phones' cellular connection.



Smart Integrations

We are constantly adding new Smart Home integrations to AirTouch to enhance the system's capabilities and your home living experience.

[Click Here](#)

To download Google Home instructions



[Click Here](#)

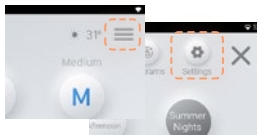
To download Amazon Alexa instructions

Settings

Options - WiFi & Internet Setup

How to connect AirTouch 5 to a home router, which will enable the control/operation of the AC unit(s) and zoning via your phone.

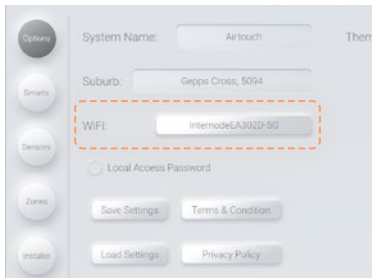
- 1 Open the Quick Menu & select Settings tab



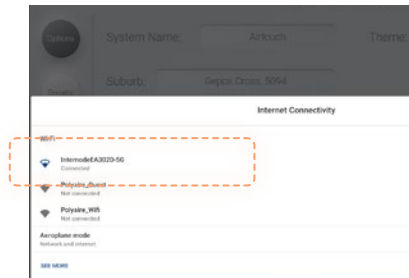
- 2 Select Options



- 3 Select Connect to WiFi



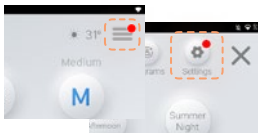
- 4 Select your network and input your password then Select Done



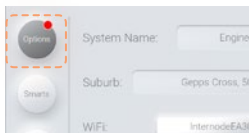
Options - Software Updates

Please make sure the AirTouch 5 is connected to the home router which has internet access. If there is a red dot on the top right corner of the Quick Menu, a new software version is available for update. Follow the red dot and prompts to update the system. If the update fails, please try it again.

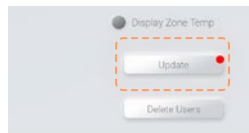
- 1 Open the Quick Menu & select Settings tab



- 2 Select Options



- 3 Select Update



Remote Internet Control

For remote AC control over the internet, ensure Internet Access is ticked under **Quick Menu>Settings>Internet Access**.

Local Access Password Protection

When enabled, mobile devices connected to the same WiFi Network as AirTouch will need to use the set password to use the App.

Hotspot

If AirTouch doesn't have access to the internet, you can still control it locally over WiFi with the AirTouch App by using the console as a WiFi Hotspot.

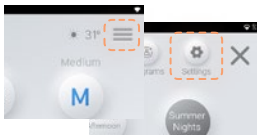
To setup AirTouch as a Hotspot, go to **WiFi Settings, More>Tethering & Portable Hotspot> Portable WiFi Hotspot**.

Turn it on and set a password. You can then connect your smart devices to this WiFi Hotspot to control AirTouch using the App.

Changing Your Theme

AirTouch allows you to choose how your controller looks. There are light and dark versions of 2 simple styles. If you like a more interesting background, the wallpaper theme allows you to choose from a range of preset photos. Alternatively, AirTouch lets you upload your own photo to display as the background of your Smart Home Controller.

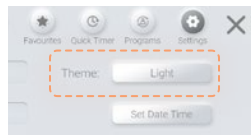
- 1 Open the Quick Menu & select Settings tab



- 2 Select Options



- 3 Select Theme



- 4 Select your desired theme then press Select

When selecting wallpaper theme, you will be required to select an image from the device library.

Your photos can be added to wallpaper via bluetooth, SD card or email on the Android console.



Smarts - Geofencing

Geofencing will send you notifications to turn On or Off your AC Unit(s) when you enter or leave your defined fence area.

Location and notifications must be enabled on mobile devices you wish to use Geofencing on.

When Geofencing is enabled on the console, proceed to the mobile app to setup for your device.

Smarts - Weather Adaption

Weather Adaption helps avoid energy wastage by turning off your air conditioning when the outside temperature is lower (cool mode) or higher (heat mode) than the set point. When enabled, AirTouch will send you a notification reminding you to turn your system off, if AC Auto Off is selected, you will be notified that AirTouch has turned off your AC.

Advanced Weather Adaption smartly adjusts the set point temperature based on the local weather in your area to maintain your desired comfort level, helping avoid wasted energy use.

Set a tolerance for the temperature to deviate from the set point with the Temperature Differential. Comfort Temperature is the maximum/minimum that weather adaption will adjust the set point to.

When your AC Unit is Running in Cool Mode, Weather Adaption will increase the set point by no more than the Temperature Differential you set depending on the outside temperature without going above your Comfort Temperature.

When your AC Unit is Running in Heat Mode, Weather Adaption will decrease the set point by no more than the Temperature Differential you set depending on the outside temperature without going below your Comfort Temperature.

If Advanced Weather Adaption is increasing/decreasing your set point, the Weather Adaption icon and a temperature will appear to indicate what Set Point is applied by Weather Adaption. If you adjust the set point, Weather Adaption will be canceled until the AC unit is turned Off and On again.

Smarts - Home Temp Limits

Set Point Limit allows you to limit the set point of your AC unit. If you don't want someone setting the cooling below 17° you can restrict the maximum and minimum of each unit in your system.

Auto Off After will automatically turn your AC Unit off after the set period of time, no matter how it was turned on. (If Auto Off is set to 2hrs and a program turns the AC on for 3hrs, the AC will turn off after 2hrs.)

Smarts - Sleep & Away Mode

How to use Sleep and Away Mode is detailed on p10.

Away Mode allows you to set a maximum and minimum temperature for your home. Allowing you to reduce energy use while ensuring your home is not unbearable. A great feature for pets!
The parameters for this can be set by going to: **Quick Menu>Settings>Smarts>Sleep/Away**

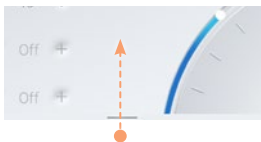
Sleep Mode will increase (Cool) or decrease (Heat) the set point by 1 degree every hour for 3 hours. The displayed Set Point will remain at your chosen temperature. After 3 hours, the AC will remain at the adjusted Set Point until Sleep Mode is canceled.

Sleep Mode Comfort Temperature works as a min/max. Sleep Mode will not adjust the set point above (Cool) or below (Heat) the comfort temperature.

Screen Lock

Screen Lock protects your Air Conditioning and Airtouch from potential damage caused by children playing with the console. It is set from within the Android OS.

- 1 Swipe up from the bottom to go to the Android home screen



- 2 Open Settings



- 3 Select Security



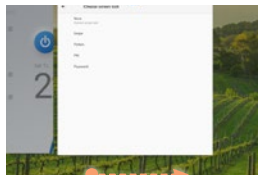
- 4 Select Screen Lock



- 5 Set your desired lock method

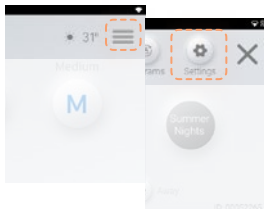


- 6 Return to AirTouch by swiping right on the navigation bar

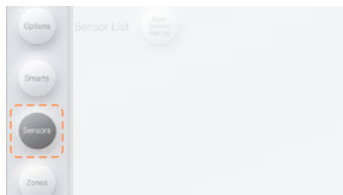


Pairing ITS Sensors

- 1 Open the Quick Menu & select Settings tab



- 2 Select Sensors



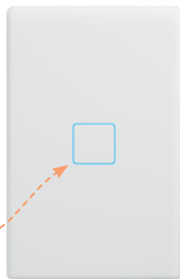
- 3 Press Start Sensor Pairing



- 4 On the ITS Sensor, press and hold the Zone Button for 5 seconds until the LED turns blue or red (or solid green for AC sensor)

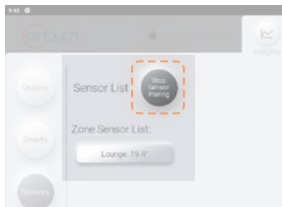
The zone name will appear on the Sensors page when the pairing is successful

Hold for 5 Seconds



- 5 Repeat step 4 for each sensor you wish to pair.

- 6 Press Stop Sensor Pairing
Your sensor is now paired



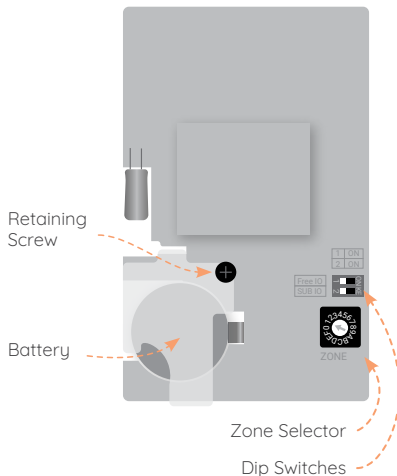
Replacing the Battery (ITS)

- 1 Remove the ITS cover from the wall.
- 2 Remove the retaining screw holding the battery cover in place then remove the flat battery.
When replacing the battery, press and hold the Zone Button after removing the dead battery for 5 seconds to remove any residual charge from the circuit.
- 3 Replace the battery with a fresh 3V CR2450.

When the battery is low, a Low Battery icon (🔋) will appear near the zone name of the sensor. A good battery will last for around 1½ to 2 years. When the battery is flat, the zone will change to % control if there are no other sensors in it.

Changing Your ITS's Zone

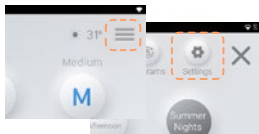
- 1 Remove the ITS cover from the wall.
- 2 Select the desired zone number for this ITS on the Zone (group) dial.
(Zone numbers for your system can be found at Settings>Zone Names)
- 3 Pair the ITS to AirTouch again.



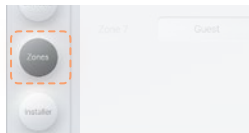
Naming Your Zones

Customise AirTouch's Zone Names to suit your home.

- 1 Open the Quick Menu & select Settings tab



- 2 Select Zones



- 3 Select the field box next to the zone you wish to change, then type in your desired name

Or

Tap the Name List arrow for a premade list of zone names.




Zoning & Balance Table

(Filled in by your installer)

Zone	Zone Name	Damper #(s)	Sensors	Balance
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				
G				

Troubleshooting

Problem	Suggested Action
LED in the lower right corner flashes quickly	<p>No communication between the console and main module. Check if the AirTouch 5 App is running and the wiring is secure.</p> <p>Disconnect the cable to the console and reconnect it. Or power off the main module of AirTouch 5 and power it back on after a minute.</p>
LED flashes slowly (Every one second)	<p>AC Unit has an error. Either the AC Unit is faulty or AirTouch 5 has lost connection to the AC unit. Call a technician to investigate further.</p>
No LED light	<p>No power to the console.</p>
Some zones cannot be turned off	<p>Check if 'Spill'  status is displayed for the zone. Opening other zones will rectify the error</p>
No display on the LCD	<p>Check if the console is mounted properly. Remove the Console and remount it.</p> <p>Check if there is power to the unit.</p>
LCD Display Corrupted	<p>Reset LCD by holding POWER button on the right side of the console for 2 seconds to restart it.</p> <p>If error is still not resolved, reset console by removing the console from the wall and then reconnect it after about 15 seconds. If the corrupted display remains, power Off/On the console. Otherwise, replace the console.</p>

Problem	Suggested Action
WiFi symbol disappeared from the console	<p>After a power failure, AirTouch 5 will re-connect to home router and WiFi icon (📶) will be back on in 3 minutes from Power ON.</p> <p>Turn the wireless router OFF and turn it back ON. Wait for 3 minutes for the AirTouch 5 system to initialise. If WiFi icon (📶) does not appear, follow WiFi setup process (p24) to re-establish connection between your home router and AirTouch 5.</p>
The reaction of the AT5 app on the console is slow after the app has been running for a long time.	<p>Close the app and re-open the app.</p> <p>Swipe up from the bottom of the screen to navigate to the Android home screen. Long press the AirTouch 5 app icon and select App info, select Force Stop then re open the AirTouch 5 app.</p>
"AC ERRORxx" is on console	<p>This error is displayed due to a fault with the AC unit. The AC On/Off function will be disabled when this error is displayed. "xx" is the error code. Touch the error code to bring up description of the error. Please call AC technician quoting the error code.</p>
When I wake the console it displays Android home screen and the AirTouch app must be reopend.	<p>There is a screen lock set within the Android system. Go to Android Home>Settings>Security>Screen Lock and select None.</p>

Specifications

Electrical Requirements

Power supply:	24V AC \pm 10%
Line frequency:	50 Hz

Environmental Requirements

Operating Temperature:	0°C to 60°C
Altitude:	0 to 2000 meters
Operating relative humidity:	10% to 80%

Avoid static electricity hazards

Avoid electromagnetic radiation sources

Avoid dust contamination

Avoid highly corrosive environments



Zone Output

Output voltage:	24VAC, 50Hz
Current:	200mA (1 damper motor)

Transformer

Input Voltage:	240VAC, 50Hz
Output Voltage:	24VAC, 50Hz
Wattage:	40W

Supply Air Sensor

NTC type, 10 k Ω at 25°C


















Battery (Wireless Sensor)

3.0V, CR2450

Fuse

Dimension 5x20 mm,
Fast-Acting 2A, 250V

Icon Appendix

-  Cool Mode
-  Heat Mode
-  Fan Mode
-  Dry Mode
-  Fresh Mode
-  Temperature Sensor value
-  Turbo Mode (p4)
-  ITS Low Battery (p31)
-  Spill Zone (a safety feature when too few zones are open) (p4)
-  Bypass (a safety feature when too few zones are open) (p4)
-  Programs icon (a program is enabled and will affect the corresponding zone or AC) (p11)
-  Quick Timer (a timer is set and will turn on or off the AC at the set time) (p9)
-  A Favourite is active (p15)
-  Away Mode (your AC will follow Away Mode settings) (p10)
-  Sleep Mode (your AC will follow Sleep mode protocols) (p10)
-  Weather Adaption Active (p27)
-  No remote access. AirTouch is not accessible via cell data

1300 980 656



Liability and Disclaimer

All specifications and procedures are correct at time of publication, but are subject to change without notice. Please read the instructions before installing this Zone Control System. Polyaire Pty Ltd does not accept any responsibility for loss or damage that may occur as a result of the incorrect installation or operation of this AirTouch Control System.

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