MyAir **+** **My**Air+

Welcome to the Connected Home

Installation Guide

MyAir Installation Guide

Contents

1 - SYSTEM OVERVIEW

PART NO.	OPTIONS	DESCRIPTION
CB7	DK / FJ / LG / ME / PA / BDSAM / TO / MHI / HIT	Control Box
EXT8	-	Extender (MyLights + WSW)
CLIP24	-	Zone Motor
PSU-ACDC	-	AC + DC Power Supply
WSRF	-	Wall Sensor RF (Wireless)
WSW	-	Wall Sensor Wired
TSP7	8"	Wall Mounted Touchscreen V7

Only use approved components as listed here. Any unauthorised changes to system components may pose a safety risk, make the product non-compliant with safety standards and any failure may not be covered by manufacturer's warranty.

2 - CB7 OVERVIEW

Below is the CB7 control box with each of its ports and setting switches labled.

System ID Dipswitch

Settings Dipswitch

TSP Tablet Connection

NA (MyAir+ only)

EXT8 Connection (Used for wired wall sensors)

Power Supply Connection (PSU-ACDC)

Link to Indoor Unit

2 Pin Samsung / Carrier / Midea

4 Pin Daikin / Fujitsu / LG / Mitsubishi / Samsung / Panasonic

Zone Motors 1- 10

Antenna Location (Used for RF wall sensors)
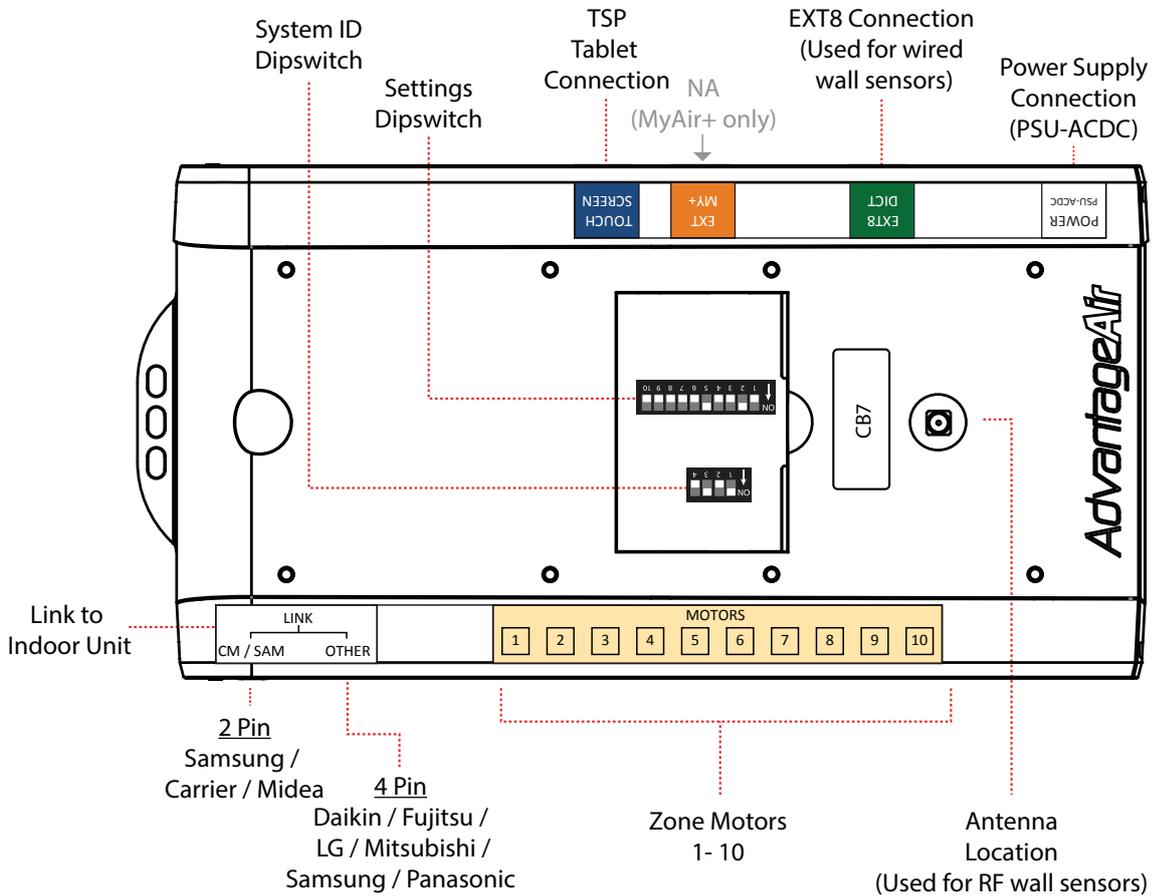
3 - COMPATIBILITY

The following table lists the air conditioner brands that the CB7 supports. Some brands require a special version of the CB7 in order to communicate with their units. The part numbers are listed in the second column.

BRAND	CB PART NO.	LINK CABLE
CARRIER	CB7	2 PIN
DAIKIN	CB7 DK	4 PIN
FUJITSU	CB7 FJ	4 PIN
LG	CB7 LG	4 PIN
MIDEA	CB7	2 PIN
MITSUBISHI ELEC	CB7 ME	4 PIN
MITSUBISHI HEAVY IND.	CB7 MHI	4 PIN
PANASONIC	CB7 PA	4 PIN
SAMSUNG (≤14KW)	CB7	2 PIN
SAMSUNG (≥16KW)	CB7 BDSAM	4 PIN
TOSHIBA	CB7 TO	4 PIN
HITACHI	CB7 HIT	4 PIN
HAIER	CB7	2 PIN
RINNAI	CB7	2 PIN

4 - CB7 SETUP

The standard CB7 Control Box will control units from the following suppliers:
- Carrier;
- Midea;
- Rinnai;
- Haier or
- Samsung (14kW or less.)

The CB7 setup uses a LINKSAM cable for Samsung, Rinnai and Haier units and a LINKCM cable for the Carrier and Midea units.

CB7 Setup for Samsung units:
1. Ensure power to the air conditioner is OFF.

2. Connect Samsung Remote (**MWR-WE10)**, then turn power ON.

3. Configure static pressure using manufacturers instructions. Run unit in cooling / heating to test, then power OFF.

4. Disconnect the Samsung remote from the indoor unit and replace with LINKSAM cable. Connect the other end of the LINKSAM cable to the CB.

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	F4
BLACK	F3

5. Go to Section 15 SYSTEM CONFIGURATION to complete install.

CB7 Setup for Carrier / Midea units:
1. Ensure power to the air conditioner is OFF.

2. Connect the LINKCM cable from the CB to the connector in the indoor unit that is used for the standard Carrier / Midea controller.

3. Connect the ground cable to the indoor unit chassis.

4. On the indoor unit PCB set the 2 dip switches labeled SW1 and SW2 to the positions shown.

	Switch	Value
SW1	1	OFF
	2	ON
SW2	1	ON

5. Go to Section 15 SYSTEM CONFIGURATION to complete install.

See over page for Rinnai and Haier setup...

My*Air*

CB7 SETUP

CB7 Setup for Rinnai units:

1. Ensure power to the air conditioner is OFF.
2. Connect Rinnai remote, then turn power ON.
3. Run unit in cooling / heating to test, then power OFF.
4. Disconnect the Rinnai remote from the indoor unit and replace with LINKSAM cable. Connect the other end of the LINKSAM cable to the CB.

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	CN29-X
BLACK	CN29-Y

5. Go to Section 15 SYSTEM CONFIGURATION to complete install.

CB7 Setup for Haier units:

1. Ensure power to the air conditioner is OFF.
2. Connect Haier remote, then turn power ON.
3. Run unit in cooling / heating to test, then power OFF.
4. Follow Haier instructions and connect a YCJ-A002 Modbus adapter board (supplied by Haier) to the indoor unit. Then connect the LINKSAM cable to the CB and then wire the other end to the modbus board terminals.

CABLE CORE COLOUR	MODBUS BOARD TERMINAL
RED	CN1-A
BLACK	CN1-B

5. Go to Section 15 SYSTEM CONFIGURATION to complete install.

> IMPORTANT:
> 1. The Standard Haier remote must be installed to provide temperature sensing.
> 2. MyZone functionality is not available for Haier units.

5 - DAIKIN (CB7 DK) SETUP

CB7 DK setup steps are as follows:

1. Connect the Daikin wired remote to the indoor unit in the roof space.
2. Power up the air conditioner & run the unit to test correct operation of indoor & outdoor unit.
3. Using the Daikin wired remote change the field settings for use with either the Return Air Sensor or a MyZone Sensor (if supplied)

Return Air Sensor

Menu	Setting	Value
20	2	02
22	6	01

MyZone Sensor

Menu	Setting	Value
20	2	03
22	6	01

How to set Daikin field settings:
a. Press and hold the CANCEL Button (bottom right corner button)
b. Select Field setting list and press MENU/ENTER (middle round button)
c. Use the UP / DOWN buttons to select the Menu number.
d. Press the LEFT / RIGHT buttons to select the Setting.
e. Press the UP / DOWN buttons to change the Value.
f. Press MENU / ENTER button (middle round button) to save this setting.
g. Select YES to the question "Is it settled by setting?"
h. Repeat for any other required field settings.

4. Power off the Daikin air conditioner & remove Daikin wired remote control from system.
5. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	P1
BLACK	P2

6. Go to Section 15 SYSTEM CONFIGURATION to complete install.

6 - FUJITSU (CB7 FJ) SETUP

CB7 FJ setup steps are as follows:

Optional: Connect a Fujitsu remote control and check unit works, before installing MyAir controls.

1. Ensure power to the air conditioner is off & the Fujitsu wired remote control is not connected to the system.

2. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	1 (RED)
WHITE	2 (WHITE)
BLACK	3 (BLACK)

3. Go to Section 15 SYSTEM CONFIGURATION to complete install

Note: If Auto Field Settings are disabled on the CB (see section 12) then the field settings will need to be set manually from a Fujitsu remote, to the values shown below.

Return Air Sensor		MyZone Sensor	
Function Number	Setting Value	Function Number	Setting Value
42	00	42	01
48	00	48	01

---

7 - LG (CB7 LG) SETUP

CB7 LG setup steps are as follows:

Optional: Connect a LG remote control and check unit function, before installing MyAir controls.

1. Ensure power to the air conditioner & controls is off.

2. Remove the LG wired remote controller and connect the supplied cable from the CB to the connector for the remote.

3. Go to Section 15 SYSTEM CONFIGURATION to complete install

---

8 - MITSUBISHI ELECTRIC (CB7 ME) SETUP

CB7 ME setup steps are as follows:

Optional: Connect a Mitsubishi remote control and check the unit works, before installing MyAir controls.

1. Ensure power to the air conditioner & controls is off.
2. Check that the Mitsubishi Electric wired remote control is not connected to the system.
3. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	1
BLACK	2

4. Go to Section 15 SYSTEM CONFIGURATION to complete install

9 - SAMSUNG (CB7 BDSAM) SETUP

CB7 BDSAM setup steps are as follows:

1. Connect the Samsung wired remote (**MWR-WE10N**) to the indoor unit in the roof space.

> IMPORTANT: This is a required step, the unit will not run without first connecting the Samsung remote.

2. Run the unit & test correct operation of indoor & outdoor unit.
3. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	F3
BLACK	F4

4. Go to Section 15 SYSTEM CONFIGURATION to complete install

MyAir

10 - PANASONIC (CB7 PA) SETUP

CB7 PA setup steps are as follows:

1. Connect the Panasonic wired remote to the indoor unit in the roof space.
2. Using the Panasonic wired remote change the field settings for use with either the Return Air Sensor or a MyZone Sensor (if supplied)

Panasonic Remote **CZ-RTC2**

Return Air Sensor			MyZone Sensor		
Menu	Setting	Value	Menu	Setting	Value
1	0A	0000	1	0A	0001
1	01	0001	1	01	0001
2	32	0000	2	32	0001

Panasonic Remote **CZ-RTC4**

Return Air Sensor			MyZone Sensor		
Menu	Setting	Value	Menu	Setting	Value
1	01	0001	1	01	0001
2	32	0000	2	32	0001

How to set Panasonic field settings for Menu's 1 & 2:

Menu 1
a. Press and hold the MODE (Top Right) & TIMER SET buttons together for 5 seconds.
b. Use UP & DOWN TEMPERATURE buttons to change the 1st value
c. Use UP & DOWN TIMER buttons to change the 2nd value
d. When you are done press the SET button
e. Repeat from step b to set second required code
f. Press the SPANNER button to return to main screen

Menu 2
a. Press and hold the SPANNER, SET & CANCEL buttons together for 5 seconds.
b. Use UP & DOWN TEMPERATURE buttons to change the 1st value
c. Use UP & DOWN TIMER buttons to change the 2nd value
d. When you are done press the SET button
e. Press the SPANNER button to return to main screen

3. Power off the Panasonic air conditioner & remove Panasonic wired remote control from system.
4. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	R1
BLACK	R2

5. Go to Section 15 SYSTEM CONFIGURATION to complete install

11 - TOSHIBA (CB7 TO) SETUP

CB7 TO setup steps are as follows:

1. Connect the Toshiba wired remote to the indoor unit in the roof space.
2. Power up the air conditioner & run the unit to test correct operation of indoor & outdoor unit.
3. Using the Toshiba wired remote change the field settings (DN code) for use with either the Return Air Sensor or a MyZone Sensor (if supplied)

Return Air Sensor

DN Code	Value
32	0000
05	0009

MyZone Sensor

DN Code	Value
32	0001
05	0009

How to set Toshiba field settings:

a. Push the MENU button to display the menu screen.
b. Push & hold the MENU + DOWN buttons at the same time for 4 seconds to open the field settings menu.
c. Use the DOWN arrow to select option 5, DN CODES
d. Press F2 then use UP / DOWN arrow to navigate to the required DN code
e. Press F2 to move right & highlight DATA value
f. Use UP/DOWN arrow to set required value
g. Use the MENU button to "fix" (store) the setting & press F1 to "confirm"
h. Press the RETURN button to go back to the field settings menu, you will see an hour glass for approx. 30 seconds.
i. Press RETURN twice more to go back to main screen
j. Repeat all the steps for each required setting

4. Power off the Toshiba air conditioner & remove Toshiba wired remote control from system.
5. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	A
BLACK	B

6. Go to Section 15 SYSTEM CONFIGURATION to complete install

MyAir

12 - HITACHI (CB7 HIT) SETUP

CB7 HIT setup steps are as follows:

1. Connect the Hitachi wired remote to the indoor unit in the roof space.
2. Power up the air conditioner & run the unit to test correct operation of indoor & outdoor unit.
3. Using the Hitachi wired remote change the field settings for use with either the Return Air Sensor or a MyZone Sensor (if supplied.)

OPERATION MODE	THERMISTOR SELECTION
RETURN AIR SENSOR	I.U Thermistor
MYZONE SENSOR	THM of RCSW

How to set Hitachi field settings:

a. Press and hold the Return button (↺) and the Menu button (▤) simultaneously for more than 3 seconds to enter settings mode. Settings mode can only be entered when the AC unit is not running.
b. Scroll down to the Function Selection option using the Down arrow (▼) and press the OK button.
c. Scroll down to Item C5 using the Down arrow (▼). Check the value 00 is set. If not 00, scroll left or right using the arrow (◄►) buttons unit 00 is shown and press the OK button. Select YES to the question when prompted "Confirm function selection setting?" and press the OK button to save the setting.
d. Scroll down to the Thermistor Selection option using the Down arrow (▼) and then press the OK button.
e. Press the left or right arrow (◄►) to scroll to select the correct option outlined in step #3 above.
f. Press the OK button to enter the new selection.
g. Select YES using the left arrow (◄) to the question when prompted "Confirm setting of thermistor selection?"
h. Press the OK button to save this setting.
i. Press the Return button (↺) to exit from settings mode.

4. Power off the Hitachi air conditioner & remove Hitachi wired remote control from system.

13 - HITACHI (CB7 HIT) SETUP

5. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	A
BLACK	B

6. Go to Section 15 SYSTEM CONFIGURATION to complete install

14 - MITSUBISHI HEAVY IND. (CB7 MHI)

CB7 MHI setup steps are as follows:

1. Ensure power to the air conditioner is off & you have not connected the Mitsubishi Heavy Industries wired remote to the air conditioner indoor unit.
2. Connect the supplied cable from the CB to the indoor unit. Wire the cable cores to the terminals as shown below:

CABLE CORE COLOUR	INDOOR UNIT TERMINAL
RED	X
BLACK	Y

3. Go to Section 15 SYSTEM CONFIGURATION to complete install

MyAir

15 - SYSTEM CONFIGURATION

Now the CB7 (and variants) have been paired to the indoor unit. The following steps will complete the system configuration.

IMPORTANT: Due to heat transfer in summer, the CB should be installed at least 1m away from roofing materials, such as roof tiles.

1. Connect the zone motors, touch screen and antenna

   NOTE: Antenna only supplied when wireless temperature sensors are ordered

IMPORTANT: Keep control cables, such as the TSP cable and the indoor unit link cable, away from other 240V cables or devices.

2. Check System ID, the System ID dipswitch is found on the CB. If there are multiple systems in one install then the System ID for each CB must be set to a different switch combination. The System ID may also need to be changed if a clash occurs with nearby installations.

System ID Dipswitch

Settings Dipswitch
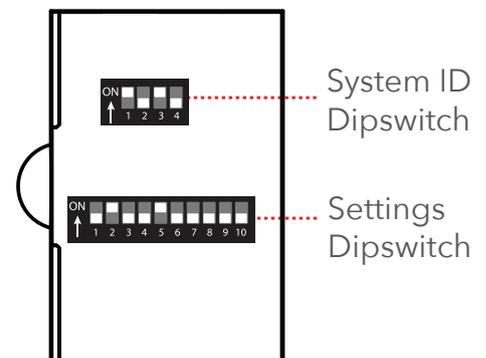
3. Check the Settings dipswitch:
   - Switch no. 2 must be in the ON position,
   - Switch no. 5 must be **ON** to use the Return Air Sensor OR in the **OFF** position to use a MyZone Sensor.

NOTE: For Fujitsu units only, Auto Field Settings are disabled when switch no. 10 is in the ON position.

4. Plug power supply into control box.

IMPORTANT: The power transformer (PSU-ACDC) must be plugged into a surge protected power outlet/point.

5. Configure a sensor for each zone.
   - **Wireless**
     a. Set the System ID on each sensor to match your control box.
     b. Set the zone number by flicking the appropriate switch on (eg if you would like to set a sensor as zone 6 you would flick only switch 6 ON.)
   - **Wired**

     Set the zone number by flicking the appropriate switch on (eg if you would like to set a sensor as zone 6 you would flick only switch 6 ON.)

16 - SYSTEM CONFIGURATION

6. Power up the air conditioning system.

7. Open the MyPlace app on the home page of the wall mounted touch screen

8. Press the SETUP button

9. Press the TECH SETUP button.

10. Enter password 22369 to access the setup.

11. Press Run Wizard, and follow the prompts on the screen.

12. When you have completed the setup wizard press ADVANCED to see additional options below.

- **SET ACTIVATION CODE** (Optional 21-day activation feature)

  By setting a 4-digit activation (lock-out) code the air con system will stop working after 21 days, it is STRONGLY recommended that your company always uses the same 4-digit pin code, and that everyone in your company knows this number. If the pin code to a system is forgotten, the control box requires replacing to activate the system.

- **BALANCE ZONES**

  This is where you can balance your zones if needed. For example: if zone 6 has too much air flow we could set MAX 80% this would result in the motor never driving past the 80% open position, the customer will not see these changes on the zone screen.

- **TEMPERATURE SENSORS**

  This screen allows you to check each sensor is operating correctly, each zone will display one of the below:

  - Multiple sensors on this zone - Two or more sensors are configured to the same zone or you may be picking up a neighbour's system in which case you would need to change the System ID, via the System ID dipswitch in the CB.

  - Battery Low - Check that the antenna is fitted to the CB, ensure there is a battery fitted within the sensor & the sensor is within range.

  - Sensor OK - Check that all sensors show OK before proceeding.

SENSOR NOT DISPLAYED: No sensor set for this zone, it will be % control only. If you have a sensor in this zone check the battery strip is removed, check battery inserted correctly. Check System ID is correct & check that only one sensor is configured for each zone.

MyAir

MyAir+ Installation Guide

Contents

1 - SYSTEM OVERVIEW
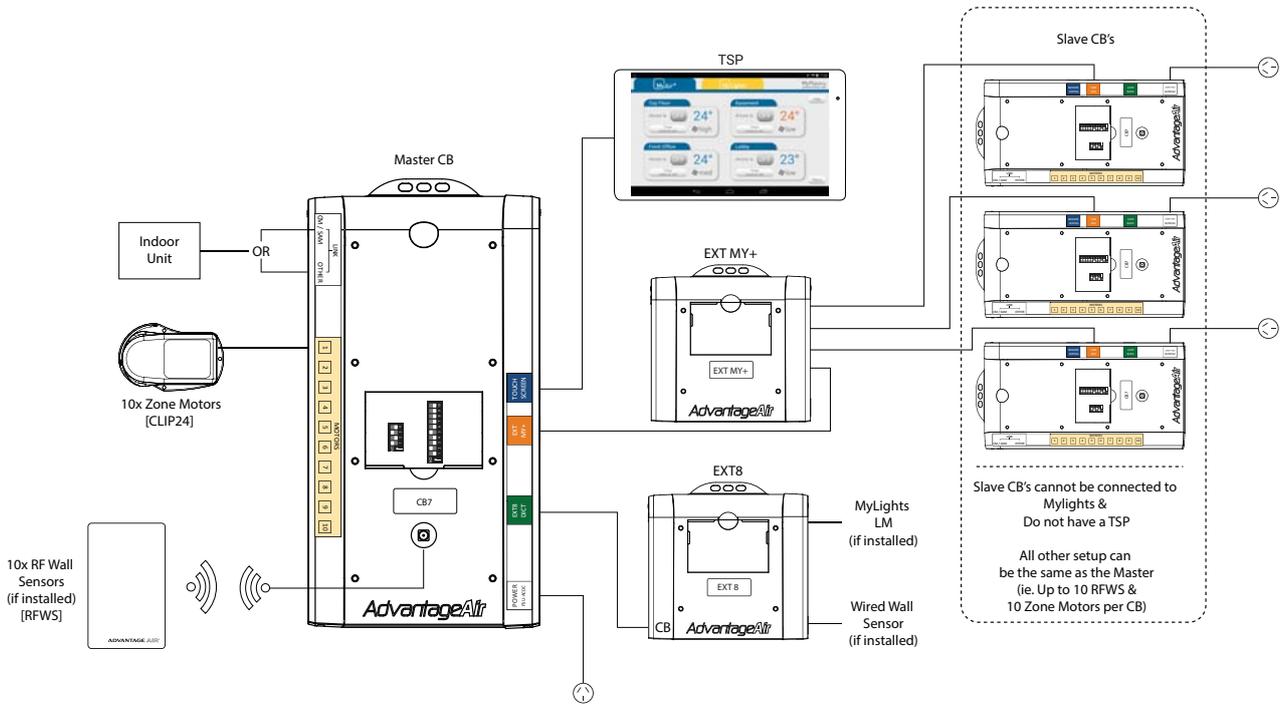
MyAir+ allows for an installation to include up to 4 Air Conditioner (AC) units all controlled from the same TSP (touchscreen.)

2 - MASTER / SLAVE CB

There can only be one TSP connected per system. The Master is the CB that is connected to the TSP.

NOTE: If MyLights is to be installed the LM's need to connect to the Master CB and not a Slave CB.

If only one slave CB is required then the slave may be connected directly to the master as shown.
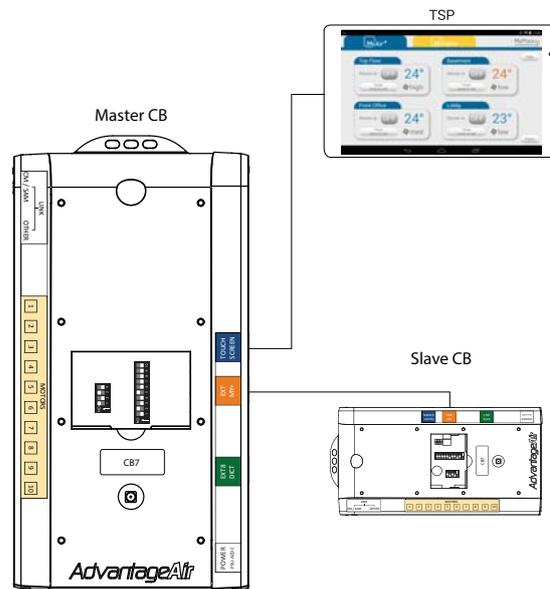
In cases where there is more than one Slave a EXT MY+ module must be used as shown below.
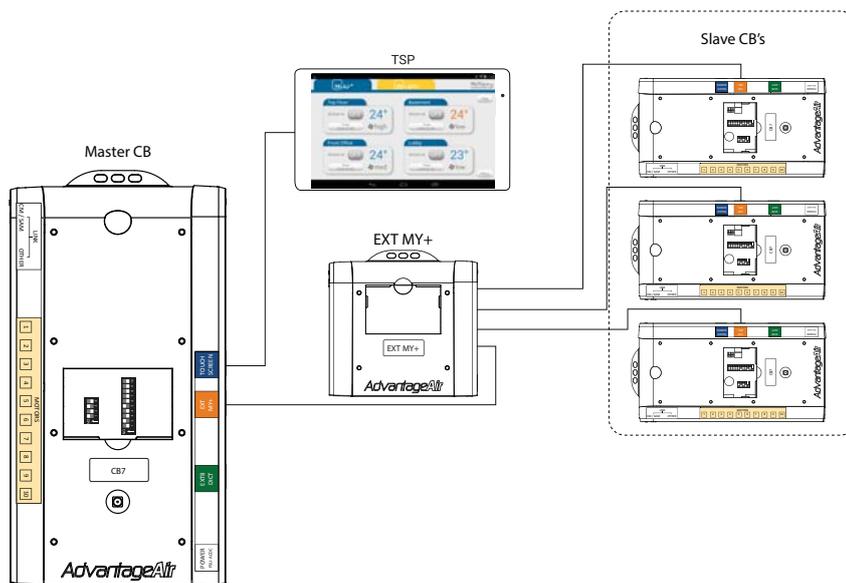
3 - HOME SCREEN
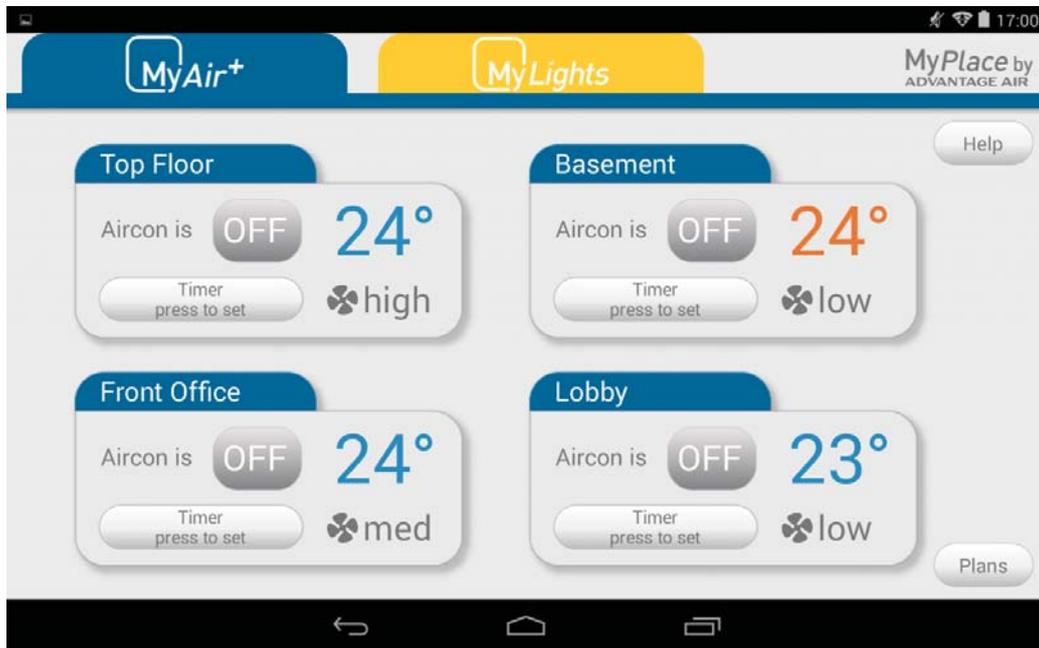
Once the MyPlace app has been run the MyAir+ tab will display the home screen as shown above. Each icon set represents a single Air Conditioner, pressing in the top left area of the icon will open that Air Conditioning unit.

Each AC unit operates as a MyAir system and can be setup as per the MyAir section of this manual.

4 - WIRING

The cable length between the CB's and the MY+ EXT should be as follows:

CB	LENGTH OF CABLE (CB to MY+ EXT)
MASTER	0.5m
SLAVE	12m or 25m