





STYLISH CONTROLLER

WIRED SIMPLIFIED
CONTROLLER WITH BLE

BRC1H62W(K)



BRC1H62W	BRC1H62K
Gloss White (RAL 9003)	Matte Black (RAL 9005)
 <p data-bbox="555 1158 868 1186">85(H) x 85(W) x 25(D) mm</p>	 <p data-bbox="1676 1158 1989 1186">85(H) x 85(W) x 25(D) mm</p>

- VRV, SkyAir & HRV (VAM-HVE only) wired controller (P1,P2)
- Contemporary aesthetic design
- Available in Gloss White (BRC1H62W) or Matte Black (BRC1H62K)
- Compact size 85(H) x 85(W) x 25(D) mm
 - Wall mount installation only
- Intuitive touch button control with blue LED status indicator
 - On/off is a physical switch
- Built-in temperature sensor & Bluetooth Low Energy (BLE 4.2 or higher)

FEATURES

- Simplified control (on/off, temperature, mode etc.)
- Ventilation functions available when connected to VAM-HVE
 - 24 Hour Ventilation, Fresh Up & Night Purge
 - Displays CO₂ concentration, indoor & outdoor humidity*
- Advanced functions via 'Daikin App' in the BLE range
 - Setback & setpoint range limit
 - Key lock & LED brightness
 - Field settings & commissioning functions
- App is available on Android (≥ 9.0) & iOS (≥12.0) devices
- Optional digital input adaptor (BRP7A5*) for key card & window/door interlock



DAIKIN APP
for Installer



A) ENTER/ACTIVATE/SET

- From home screen → main menu
- From main menu → sub menus
- Activates/confirm operations

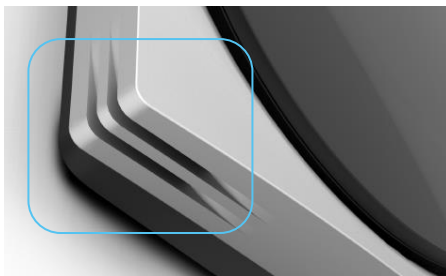
B) CYCLE LEFT OR DECREASE

- Reduce setpoint
- Cycle left or decrease

C) CYCLE RIGHT OR INCREASE

- Increase setpoint
- Cycle right or increase

TEMPERATURE SENSOR



(B) (A) (C)



D) ON/OFF BUTTON

- Turns system on or off

E) STATUS INDICATOR

- BLUE: when system is on
- RED: when there is an error
- GREEN: during BLE pairing
- Turns off when system is off
- Adjustable intensity (can be disabled)

On the controller basic user functions can be performed using the 3 on-screen touch buttons.

1. HOME SCREEN

Use **-** or **+** to lower or increase the **setpoint** temperature of the system respectively.

2. USER MENU

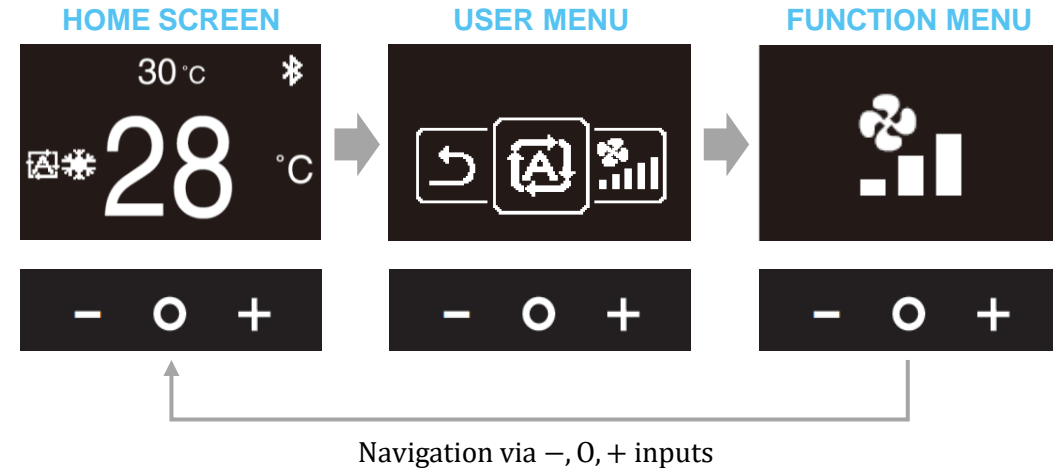
Press the **O** to access the user menu & use the **-** or **+** to cycle through the available functions, press **O** again to enter.

Functions available:

- Operation mode
- Fan speed
- Airflow direction
- Ventilation mode (for VAM-HVE)
- Ventilation rate (for VAM-HVE)
- LED brightness (on/off & set intensity)
- Filter sign reset
- Set dual setpoints (for 'Auto' operation mode)



At any point select the 'back' icon to go back to the previous menu



3. FUNCTION MENU

Once inside the function menu, similarly the user can toggle through & confirm the desired setting for the function.



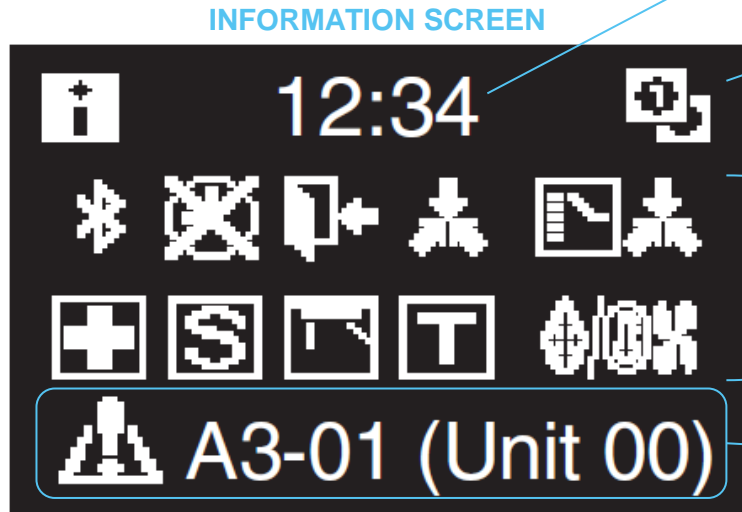
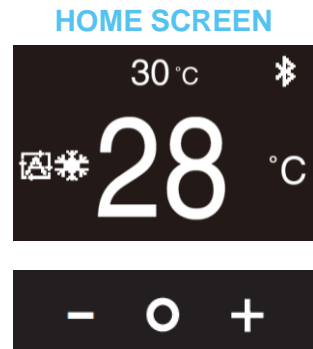
Fan Speed Example
Auto → L → M → H etc.

The information screen provides additional information on the status of the system including any error codes.

HOW TO ACCESS?

Hold the **O** for 5 seconds to transition over to the information screen. To exit, press the **O** again.

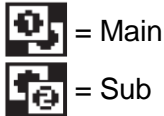
Available icons displayed varies according to the type of indoor unit connected.



SYSTEM TIME

MAIN/SUB CONTROLLER ICON

Indicates if this controller is the main or sub



ICON VIEW

Shows the current status of the unit, an icon will appear if the status is activate. Status icons include defrost operation, setback, centralised control, Bluetooth connectivity etc.*

ERROR DISPLAY

If error occurs, the icon, an error code & unit number is displayed

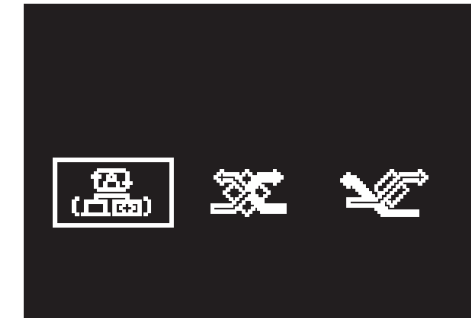
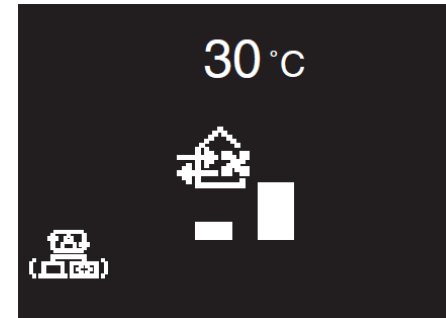
*See operation manual for the list of icons and their description

Upon connection to HRV (VAM-HVE only), the home screen & information screen will vary from the standard layout.

HOME SCREEN & USER MENU

Ventilation mode & rate is displayed. Ventilation rate can be adjusted by using the - or + to lower or increase.

Ventilation mode can also be adjusted in the user menu, Auto, ERV or Bypass mode available.

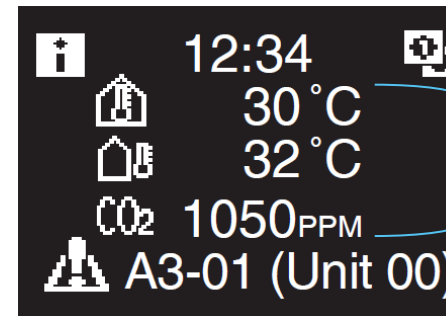


INFORMATION SCREEN

Sensor view can be enabled to display indoor & outdoor temp. and VAM-HVE optional CO₂, indoor humidity or outdoor humidity sensor values.

- Only up to 3 items can be displayed
- Enabled & configured via R/C settings

Sensor results can be shared across the control group i.e. one sensor can be used for group control of multiple VAM-HVE.



SENSOR VIEW

CO₂, indoor humidity, outdoor humidity, indoor temp. & outdoor temp. (3 max for display)



24Hr
Ventilating



Ventilating
Standby



Fresh Up



Night
Purge

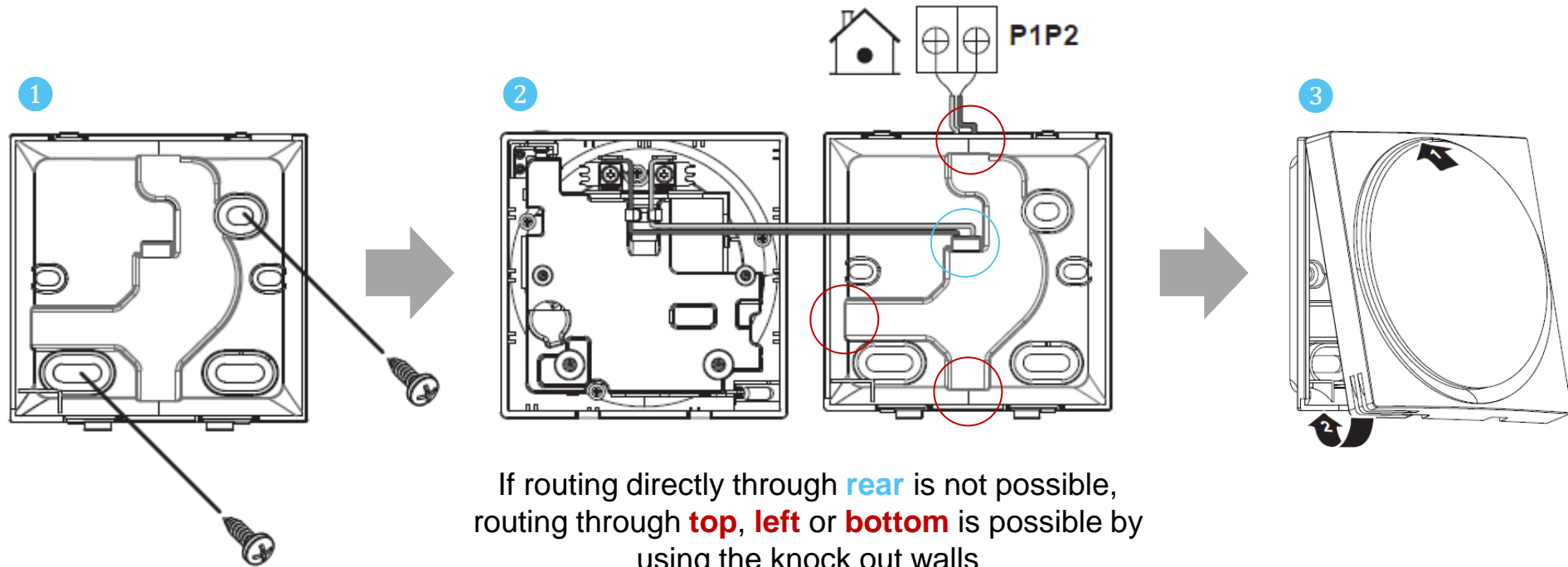
Ventilation related icons will also be displayed if active

TYPICAL INSTALLATION

Drill hold in the wall for P1, P2 wiring from indoor unit

1. Mount rear casing onto the wall
2. Connect P1, P2 wiring into controller terminals
3. Snap the controller on the rear casing

Wire Specification	Value
Type	Sheathed vinyl cable (2 wires)
Section	0.75-1.25mm ²
Maximum Length	500m



COMPATIBILITY

The below indoor unit types are compatible with BRC1H62W(K)

- ✓ All VRV indoor units are compatible
- ✓ All SkyAir indoor units are compatible
- ✓ Only HRV VAM-HVE is compatible

RESTRICTIONS

- Max two BRC1H62W(K) that can be connected to an indoor unit (main + sub)
- BRC1H62W(K) cannot be paired with any other controller type
- If using optional digital input adaptor, only one BRC1H62W(K) can be used
- Below table highlights the possible connections:

Compatibility Matrix			
Wired Controllers			Main BRC1H62W(K)
Sub	Stylish Controller	BRC1H62W(K)	✓
	Nav Ease	BRC1E63	✗
	Simplified Controller	BRC2E61	✗
	Wireless Controllers	BRC4* / BRC7*	✗
	Optional Digital Input Adaptor	BRP7A5*	✓

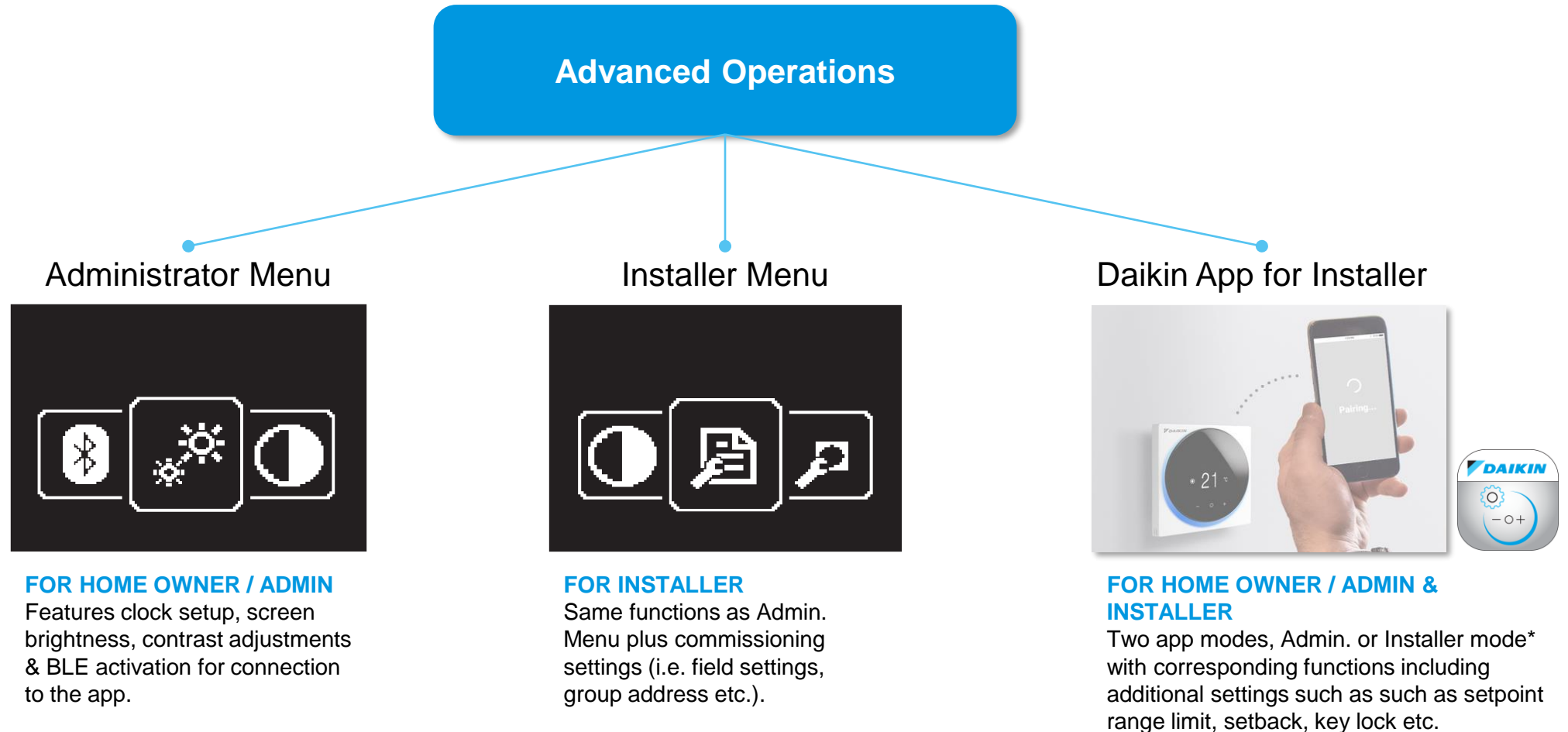
FUNCTIONS NOT AVAILABLE ON SUB CONTROLLER

(must be set on the main controller)

- Auto operation mode
- Individual airflow direction
- Auto clean air filter module settings
- Setback
- Draught prevention

ADVANCED OPERATION & BLE CONNECTIVITY

The function set of the Stylish Controller is further enhanced by the below advanced operations. This includes two additional menus accessed via the controller and a supporting app for intuitive efficient configuration via an Android or iOS device.

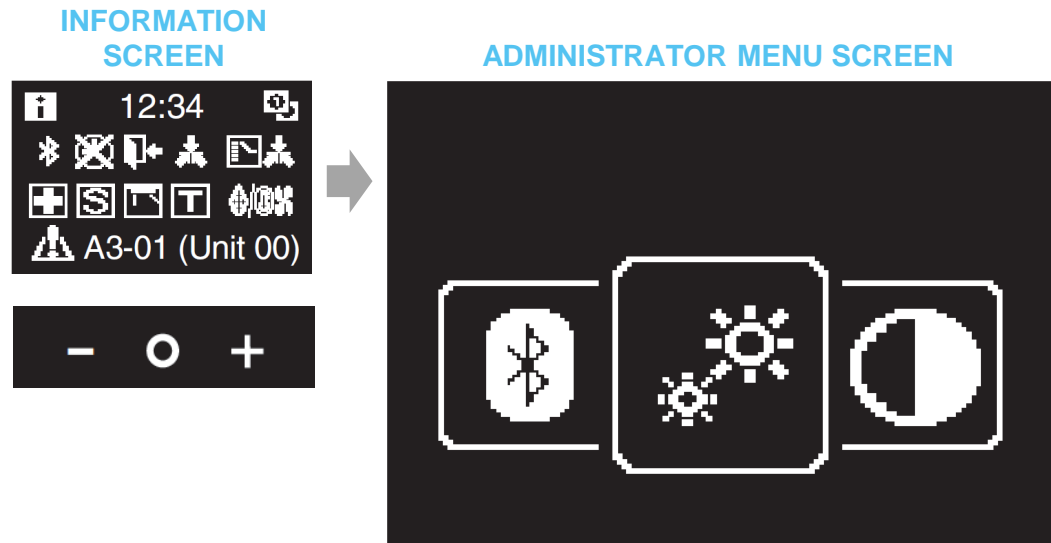


*Installer mode requires a QR code to access

This menu features settings for the home owner/building admin to configure including BLE activation for app connection.

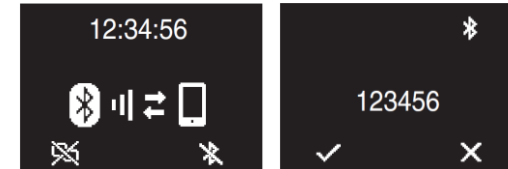
HOW TO ACCESS?

From the information screen hold the - & O for 5 seconds.



AVAILABLE SETTINGS

- Screen brightness & contrast
- Clock setup
- Activate Bluetooth (BLE)
 - Used for establishing connection to Android/iOS device with the Daikin App



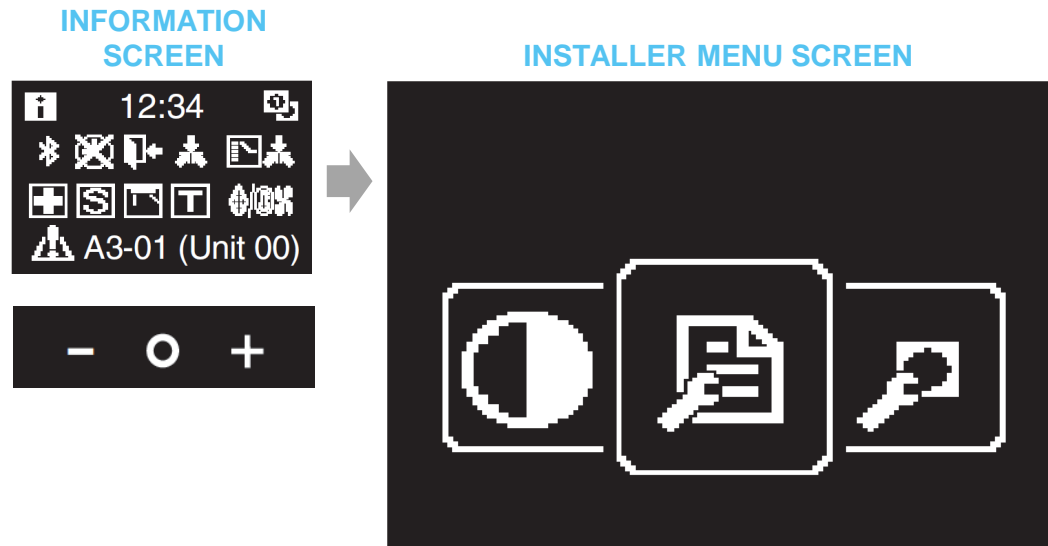
- Set administrator menu password
 - 4 digit pin can be set
 - This pin will be requested when any user tries to load the administrator menu screen



This menu is an extension of the Administrator Menu that provides additional functionality for the installer.

HOW TO ACCESS?

From the information screen press **O** → **+** → **-** (in order) and hold for 10 seconds.



AVAILABLE SETTINGS

- Screen brightness & contrast
- Clock setup
- Activate Bluetooth (BLE)
- Set installer menu password
- Field settings & R/C settings

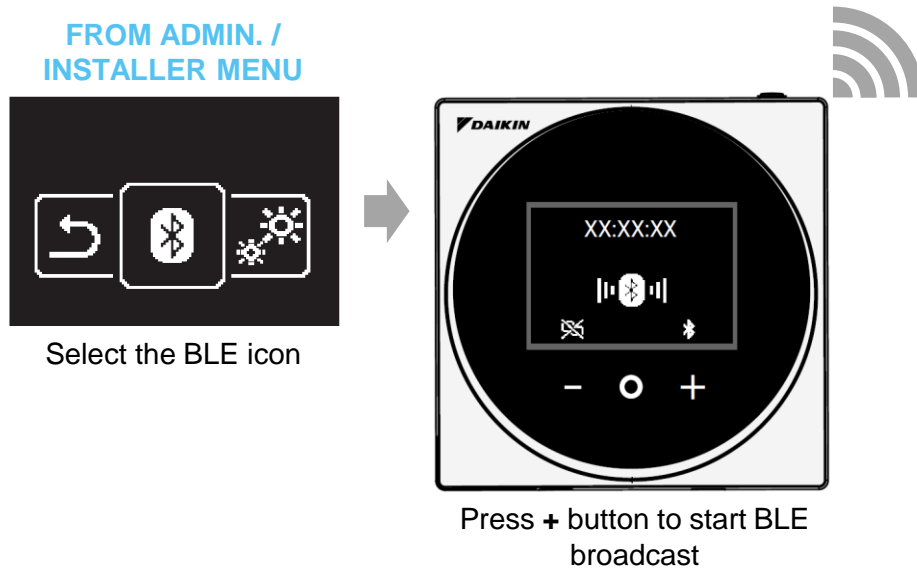


- Group address assignment
- Force fan on
- Release changeover master
- Indoor unit AirNet address
- Outdoor unit AirNet address
- External input adaptor interlock settings

ADDITIONAL INSTALLER MENU FUNCTIONS

- The Daikin App on your Android (≥ 9.0) & iOS (≥ 12.0) device must be paired with BLE 4.2 or higher
- Controller can only pair to one Android/iOS device at a time & BLE pairing **must be** done every time app usage is required
- Connection is done in two stages, firstly broadcasting BLE on the controller followed by pairing via Android/iOS device

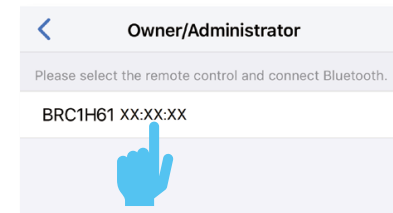
STAGE 1: BROADCAST BLE



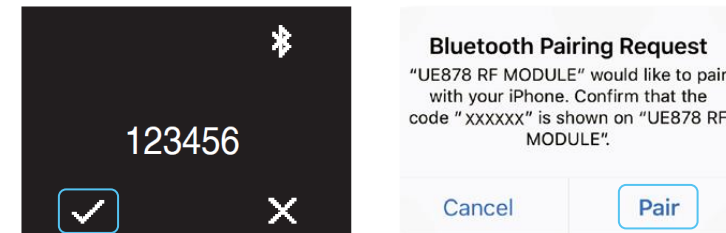
Note, BLE broadcast on the controller will stop upon exiting back to the home screen (i.e. continuous BLE broadcast **CANNOT** be set).

STAGE 2: PAIR ANDROID/iOS DEVICE

1. On your device, turn on Bluetooth
2. Open the Daikin App on your device
3. Controllers with BLE being broadcasted will be displayed, tap the controller with the same 6 digits XX:XX:XX to pair



4. Final confirmation window will appear on both the controller & app, tap ✓ and 'Pair' respectively



5. If successful, controller status LED lights up **Green**

- Supporting app providing advanced functions & commissioning convenience
- User functions such as operation mode, fan speed etc. are **not available** on the app
- App is only compatible with Android (≥ 9.0) & iOS (≥ 12.0) devices
- Two app modes, Administrator or Installer mode*



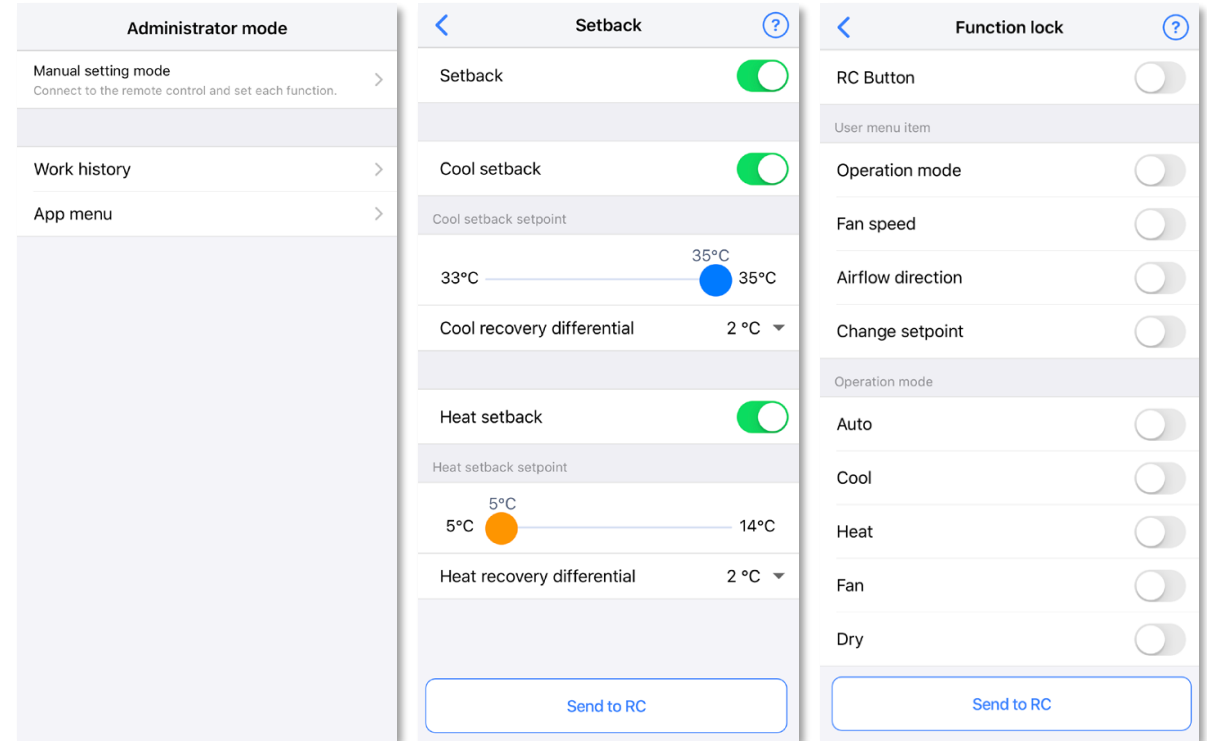
DAIKIN APP
for Installer



KEY ADVANCED FUNCTIONS

- Setback & setpoint range limit
- Key/function lock (buttons & functions)
- Individual airflow direction
- LCD & status indicator brightness (on, off & brightness intensity)
- Bulkhead auto clean air filter module settings
- Cassette sensor configuration (low/stop mode & draught prevention)
- Set date & time
- Error code reset & history
- Set password for installer menu
- Force fan on
- Assign group address & AirNet address
- Field settings
- Test run
- External input adaptor interlock settings
- Create & export settings file

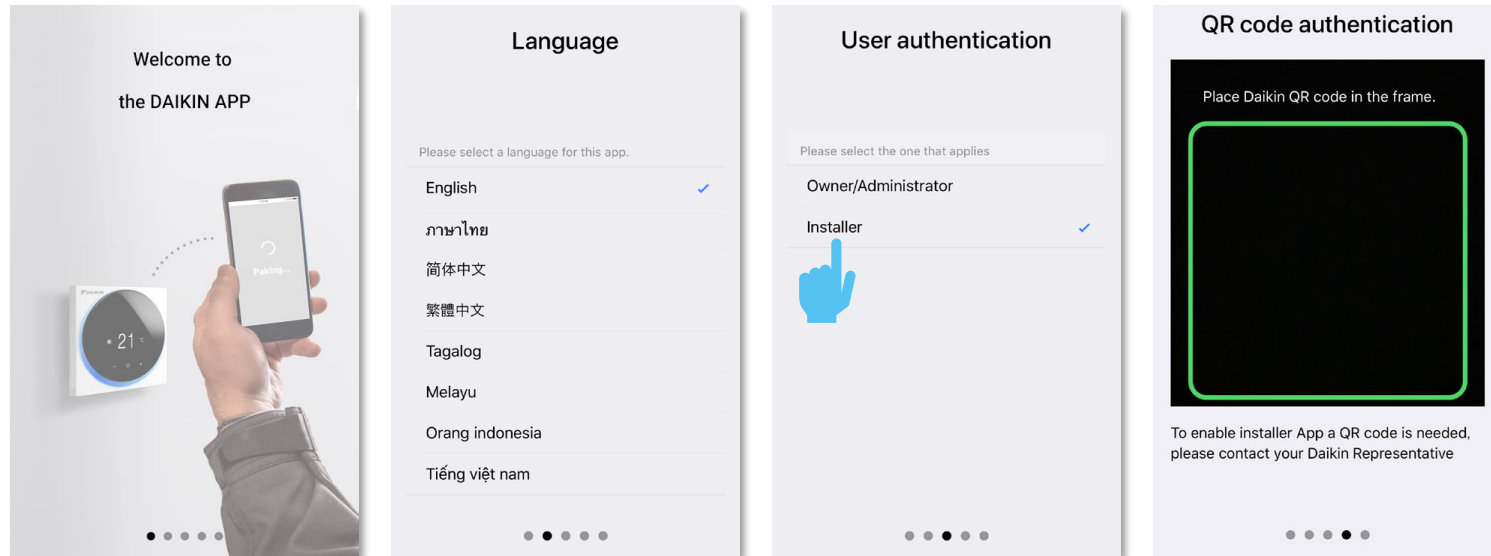
ADDITIONAL INSTALLER MODE FUNCTIONS



- Installer Mode provides additional commissioning functions/privileges
- A special Daikin QR code is required to be scanned before the app can enter into this mode
- This additional step is to help prevent unauthorised access to these functions

HOW TO ACCESS?

Upon opening the app for the first time, select '**Installer**' authentication during the first time app setup wizard*



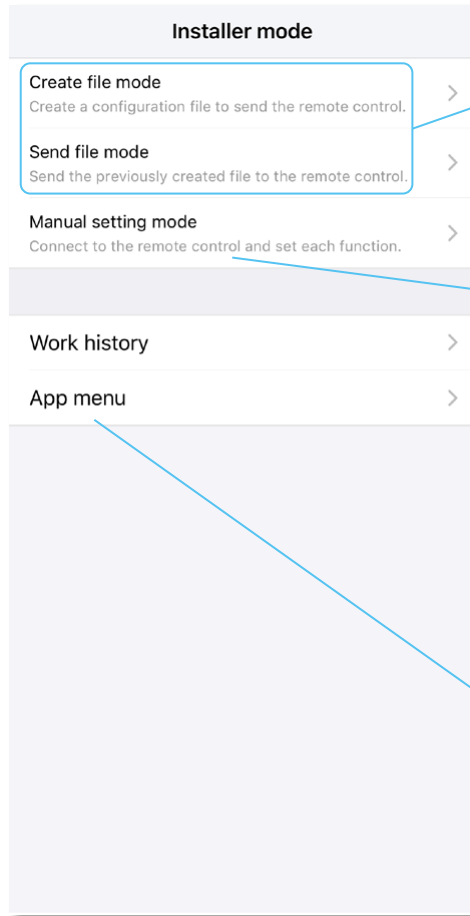
SCAN THIS QR CODE

Once scanned the app will operate in **Installer** mode with the additional commissioning functions available

Camera permissions must be allowed for the app to proceed to QR code scan

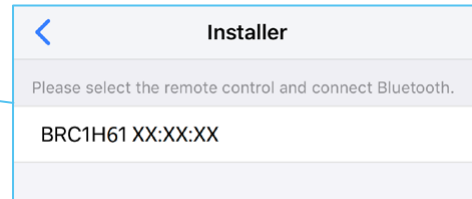
*To reset the app to bring up the setup wizard, clear app cache in your Android/iOS device or reinstall the app

Screen shots shown here are for Installer mode, some functions will not be available in Administrator mode.

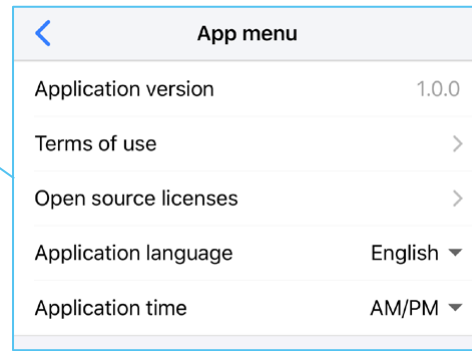


Home Screen

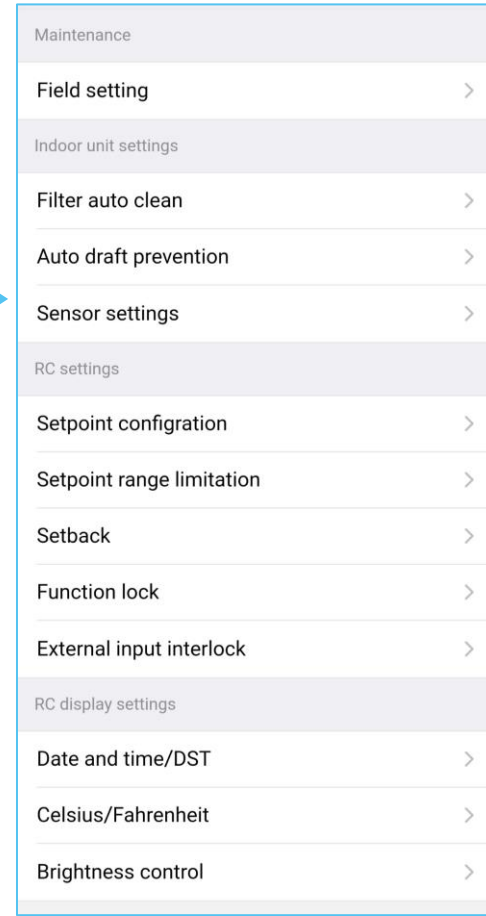
Create & Export Settings File
Simplifies commissioning



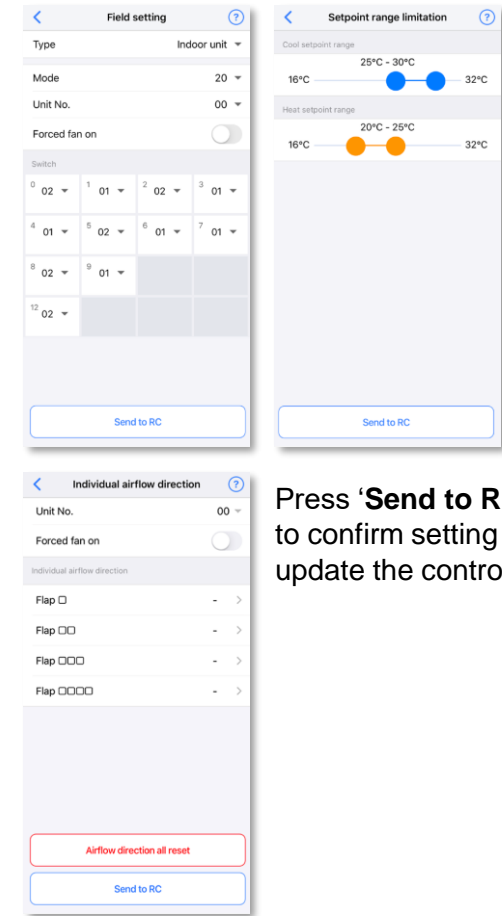
Connect to Controller
Select which controller to operate*



App Settings
Change language & app time



Available Functions
Adjust & configure the controller

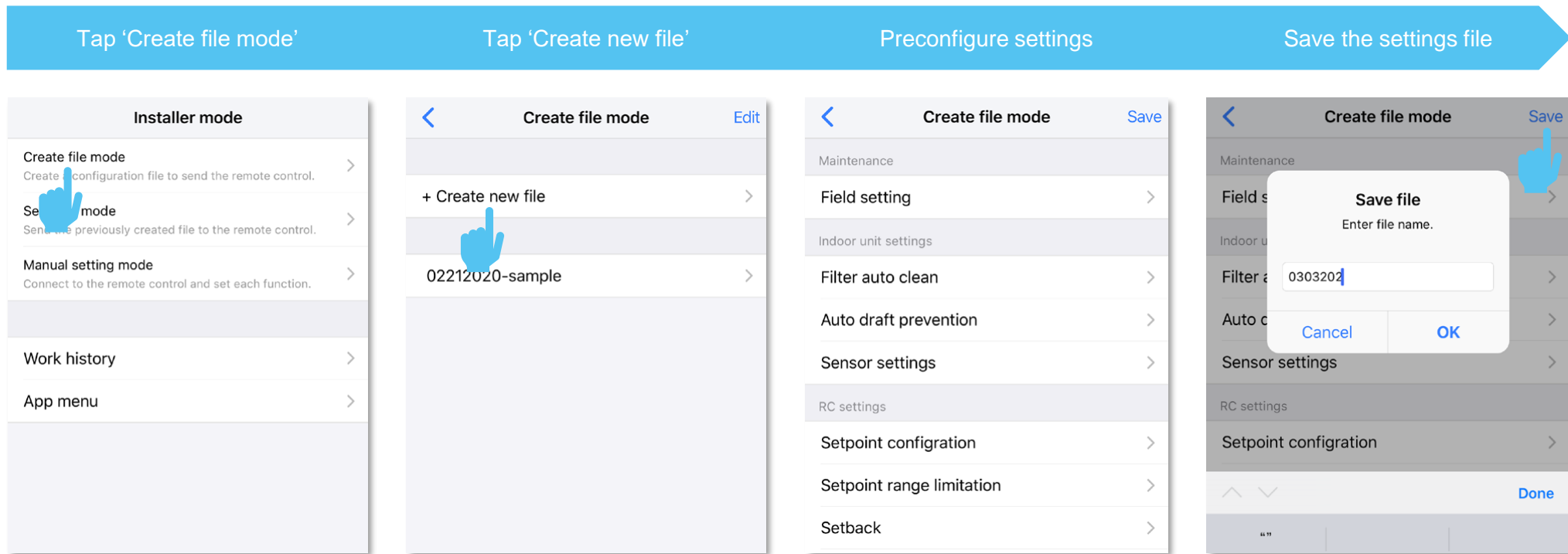


Press 'Send to RC' to confirm setting & update the controller

*Controller will only appear if controller BLE has been activated, note BLE activation/broadcast procedure needs to be done every time when connecting the app to the controller

Creating Settings File

- Advanced functions can be preconfigured on the app and exported (sent) to the controller via a 'Settings File'
- Multiple settings files can be created before hand and saved on your device for exporting
- This enables seamless and time efficient commissioning of multiple controllers on site
- I.e. removes the need to manually adjust settings one by one on the controller or the app while on site



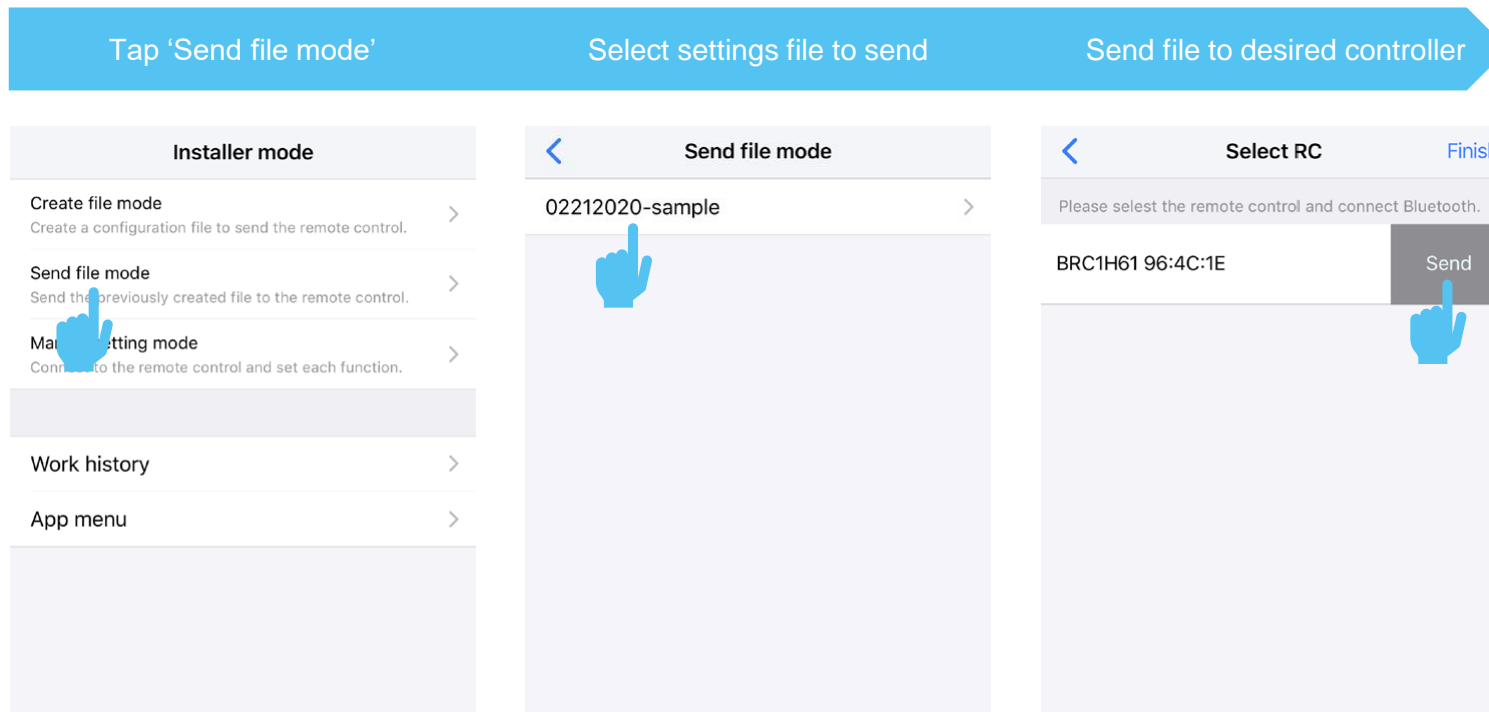
Previously created setting files are also displayed & can be edited

List of settings that can be preconfigured for export are shown (adjust as required)

Save & assign a name to the settings file

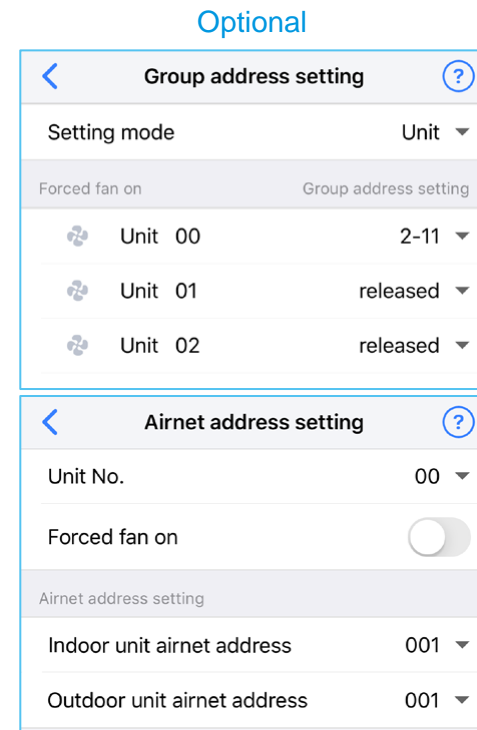
Exporting Settings File

- Once a settings file has been created & saved, the file can be exported to the controller
- All preconfigured settings will automatically be updated on the controller upon export
- The settings file can be reused for another export (i.e. will not disappear from the app unless deleted)



Saved settings file are displayed here, choose which file to export

Select the desired controller to receive the settings file*



A confirmation window will appear and ask if required to continue configuring group & AirNet address

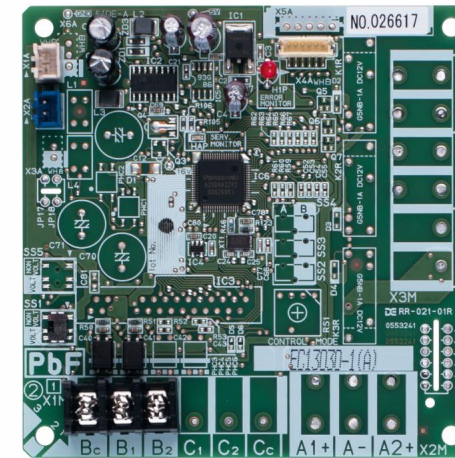
*Controller will only appear if controller BLE has been activated, note BLE activation/broadcast procedure needs to be done every time when connecting the app to the controller

OPTIONAL DIGITAL INPUT ADAPTOR

Optional Digital Input Adaptor

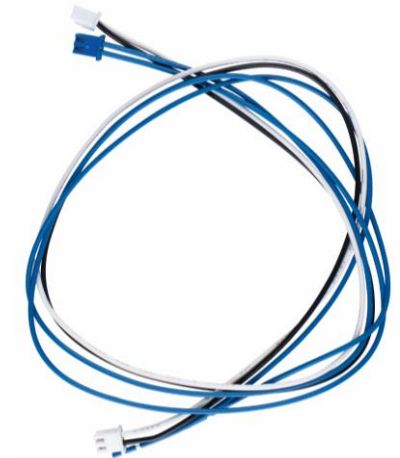
- Digital input adaptor (BRP7A5*) is an optional accessory **only compatible** with BRC1H62W(K)
- This adaptor provides indoor unit plus controller interlocking functions with field supplied key card & window/door contacts*
- Adaptor power supply & transmission harness (for connecting to indoor PCB) included
- Four models available to suit connection to various VRV & SkyAir indoor units:

Model	Harness Length		Compatibility	
	Power Supply	Transmission	VRV Indoor	SkyAir Indoor
BRP7A51	500mm	500mm	FXCQ-AVM FXDQ-TV1C(A) FXSQ-PAVE FXMQ-PAVE FXAQ-AVM FXLQ-MAVE FXNQ-MAVE	FFA-AVM FTXC-AV1A FAA-BVMA FBA-B(A)VMA
BRP7A52	800mm	600mm	FXFSQ-AVM FXFQ-AVM FXDYQ-MAV1 FXMQ-PV1A FXHQ-MAVE FXHQ-AVM	FCA-C(A)VMA FHA-B(A)VMA FDYA-AV1 FDYAN-AV1 FDYQ(N)-LCV1
BRP7A53	1150mm	1150mm	FXZQ-AVM FXUQ-AVEB	-
BRP7A54	1900mm	1700mm	FXDQ-PDVE FXDQ-NDVE	-



BRP7A5*

100(H) x 100(W) x 16(D) mm

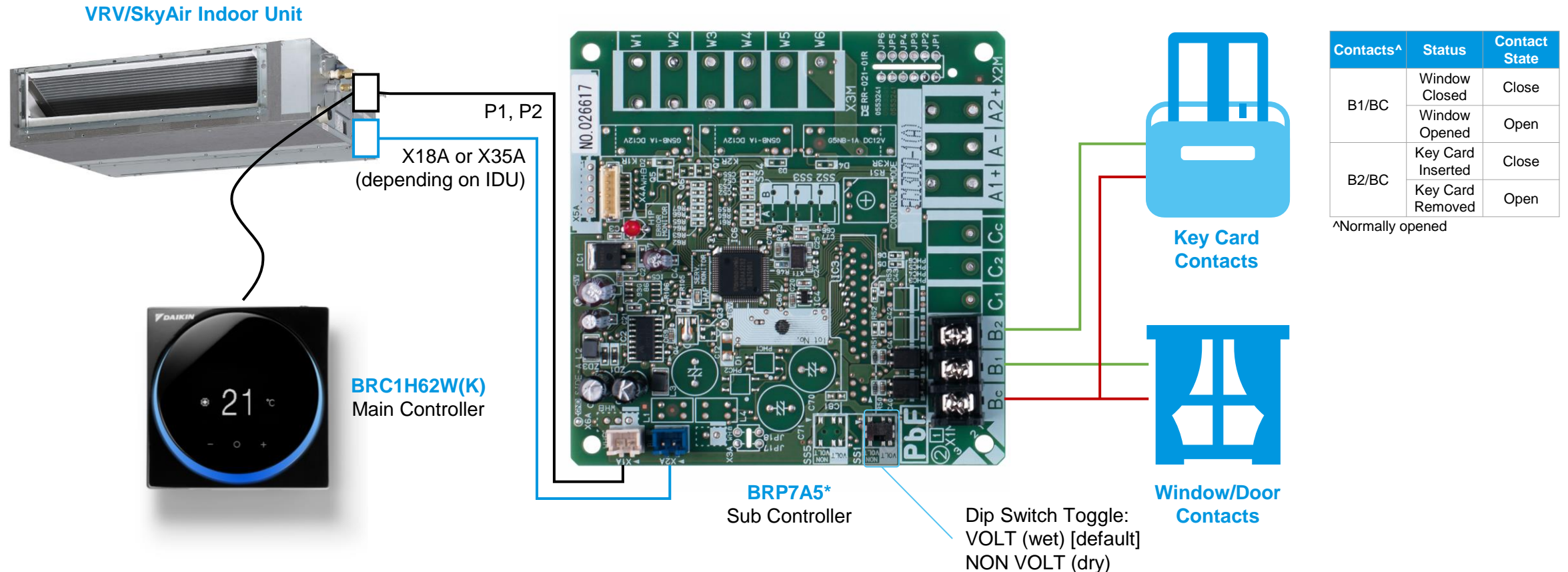


Included Power Supply & Transmission Harness

*Centralised controllers will override digital input adaptor interlocking operation

Wiring Schematic

- BRP7A5* adaptor acquires power from the indoor unit PCB (VRV: X18A or X35A / SkyAir: X35A)*
- A transmission harness (for communication) links the BRP7A5* to the P1, P2 terminals on the indoor unit PCB
- Voltage free (dry) & voltage input (wet) contacts (BC, B1& B2) are available via dip switch settings
- Key card & window/door contacts should be able to cater a minimum load of 12V @ 1mA or less
- If using voltage input (wet) contacts, 12-24V power supply with 10mA for each contact is required



*See installation manual for details

- BRP7A5* with BRC1H62W(K) provides additional functionality over traditional indoor unit T1, T2 interlock

Function Overview		T1, T2 Interlock	Digital Input Adaptor Interlock
Controller		BRC1E63, BRC2E61 & BRC1H62W(K)	BRC1H62W(K)
Interlock Method		T1, T2	BRP7A5*
Key Card	General Operation	Key card inserted → IDU on (resumes with previous setting) Key card removed → IDU off	
	Off Status	Controller can be operated however IDU remains off (operation status is desynced)	Controller cannot be operated (controller displays centralised control icon)
	Delay Timer	x	Key card removed → IDU delayed off (0-10min delay time)
	Reset Timer	x	Resets IDU to default setting after a pre-set duration when key card is removed & IDU is off (0-20hr reset time, set operation mode & setpoint)
Window /Door	General Operation	x	Higher priority than key card operation Window/door open → IDU off Window/door closed → IDU on
Setback Priority		Setback operation will commence (if setup to be on) even though key card has been removed	

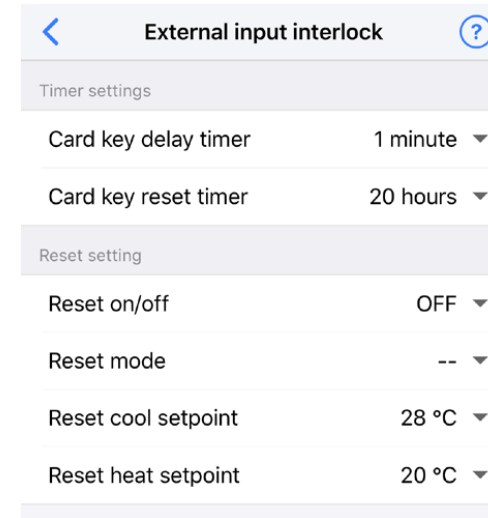
- External input adaptor interlock settings (such as delay timer, reset timer) can be set via the controller or Daikin App
- Key card interlock parameters for delay timer & reset timer are available
- There are no parameters for window/door interlock (i.e. if window opens → IDU off, overriding key card settings)

CONTROLLER



In installer menu, navigate to the external input adaptor interlock settings

DAIKIN APP



In installer mode, navigate to the external input interlock settings

KEY CARD PARAMETERS

- Delay timer – delay IDU off by 0-10min
- Reset timer duration – reset IDU settings in 0-20hr after key card removal & delay timer has expired
- Available IDU settings for reset:
 - IDU on, off or revert to previous status
 - Operation mode: auto, cool, heat & fan only or revert to previous mode
 - Choose a fixed cooling or heating setpoint to use or revert to previous setpoint

FEATURES CHECKLIST & SPECIFICATIONS

Category	Functions	BRC1H62W(K)			Daikin App	
		User	Admin.	Installer	Admin.	Installer
Basic	Operation Start/Stop	✓	✗	✗	✗	✗
	Operation Mode	✓	✗	✗	✗	✗
	Fan Speed	✓	✗	✗	✗	✗
	Airflow Direction	✓	✗	✗	✗	✗
	Setpoint	✓	✗	✗	✗	✗
	Ventilation Rate, Mode & Sensor Display	✓	✗	✗	✗	✗
Energy Saving	Setpoint Range Limit	✗	✗	✗	✓	✓
	Sensing Sensor Low/Stop Mode (Cassette)	✗	✗	✗	✓	✓
Comfort	Individual Airflow Direction	✗	✗	✗	✗	✓
	Setback	✗	✗	✗	✓	✓
	Draught Prevention (Cassette)	✗	✗	✗	✓	✓
	Setpoint Minimum Differential	✗	✗	✗	✓	✓
Filtration	Filter Sign Reset	✓	✗	✗	✗	✗
	Dust Box Sign Reset (Auto Clean Module)	✓	✗	✗	✗	✗
	Auto Clean Air Filter Module Settings (Bulkhead)	✗	✗	✗	✓	✓
Display	LCD Contrast Adjustment	✗	✓	✓	✗	✗
	LCD Brightness Adjustment	✗	✓	✓	✓	✓
	Status Indicator Brightness Adjustment	✓	✗	✗	✓	✓

Features Checklist



Category	Functions	BRC1H62W(K)			Daikin App	
		User	Admin.	Installer	Admin.	Installer
Controller	Clock Setting	✗	✓	✓	✓	✓
	Daylight Saving Time	✗	✗	✗	✓	✓
	Release Changeover Master Control	✗	✗	✓	✗	✗
	Administrator Password Setting	✗	✓	✗	✓	✓
	Installer Password Setting	✗	✗	✓	✗	✓
	Key/Function Lock	✗	✗	✗	✓	✓
Service	Error Code Indication	✓	✗	✗	✗	✗
	Error History	✗	✗	✗	✓	✓
	Error History Reset	✗	✗	✗	✓	✓
	Force Fan On	✗	✗	✓	✗	✓
	Indoor/Outdoor Unit Model Indication	✗	✗	✗	✗	✓
	Swap Unit Number	✗	✗	✗	✗	✓
Field Settings	Set Field Settings & R/C Settings (Codes)	✗	✗	✓	✗	✓
	Group Address Setting	✗	✗	✓	✗	✓
	Indoor Unit AirNet Address Setting	✗	✗	✓	✗	✓
	Outdoor Unit AirNet Address Setting	✗	✗	✓	✗	✓
	Test Run	✗	✗	✗	✗	✓
	External Input Interlock Settings	✗	✗	✓	✗	✓

Model	BRC1H62W	BRC1H62K
Colour	Gloss White (RAL 9003)	Matte Black (RAL 9005)
Size (HxWxD, mm)	85 x 85 x 25	
Weight (g)	110	
LCD Backlight	Available	
Status Indicator (LED)	Blue (normal operation) Red (error alert) Green (Bluetooth connected)	
Maximum No. of Connectable Indoor Units	1 x Group (up to 16 indoor units)	
Wiring Connections	P1, P2 from indoor unit (0.75-1.25mm ²)	
Bluetooth Wireless Technology	Bluetooth Low Energy (BLE 4.2 or higher)	
Supporting App	DAIKIN APP for Installer	
Supporting App Compatibility	Android 9 or higher & iOS 12 or higher	

THANK YOU.

Any questions?