

HITACHI

Advanced Color Controller (PC-ARFG1-*)

Simplicity with style

Combining the best of form and function, enjoy climate control made easy with Hitachi's most advanced wall controller yet.



Super user-friendly interface



Easy-to-navigate menus



Available in 7 languages



Pictograms and colors for an optimal user experience

Award-winning design

- Minimalist design aesthetic
- Distinctive curves for ergonomics
- Modern and subtle colors



With **Near-field communication (NFC)** contactless-enabled system commissioning via the airCloud Tap smartphone app, you can now save, copy, and paste settings to the Advanced Color Controller with a simple tap.



Ideal for



Venues with stylish interior design



Indoor units with human sensors



Energy-conscious building managers



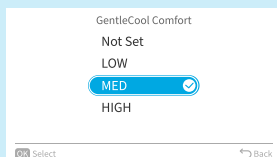
reddot winner 2021

Cooling & Heating

Advanced-Color Controller

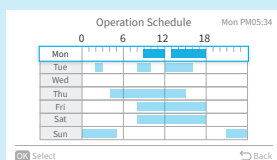
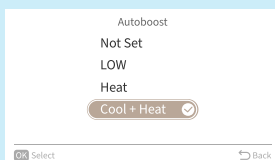
From basic to advanced functions

Users can control the main temperature settings from Advanced-Color controller's main screen. In addition, more advanced comfort settings help customizing the air to their occupants' specific needs.



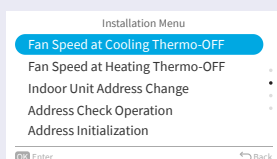
GentleCool limits the temperature of conditioned air, preventing cold drafts for optimal comfort.

AutoBoost automatically activates for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster.

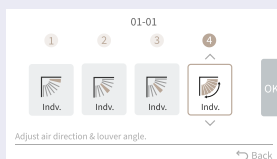
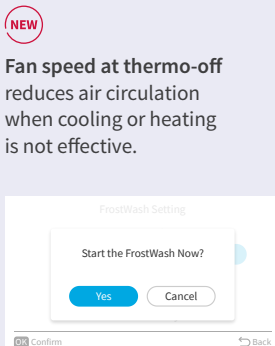


AC Scheduling is easier than ever, thanks to flexible features such as the holiday calendar.

The latest VRF features

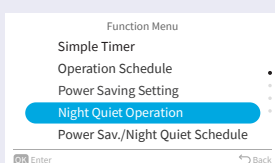


NEW Activate, schedule and check the history of indoor units' **FrostWash™** function.



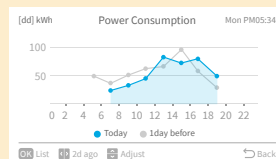
Individual 4-way cassette louvers optimizes air flow direction to each corner layout.

Schedule **Night Quiet** mode to minimize the outdoor unit's operation noise so you and your neighbors get a better night's sleep.

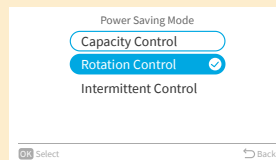


Energy optimization

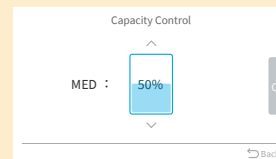
Power-saving features enable VRF system operators to optimize energy usage



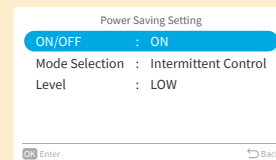
Energy consumption visualization



Choice of power-saving method



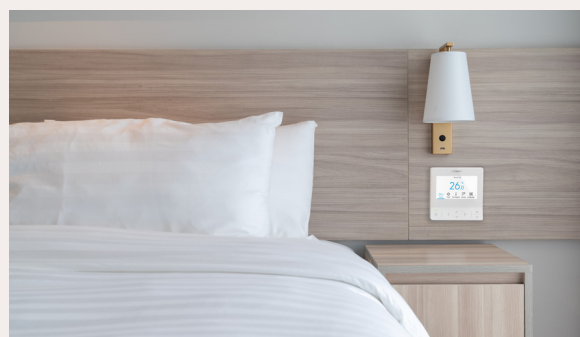
Capacity – peak cut control



Power saving setting

Set **specific schedules** for features like **peak capacity cuts** and the **thermal operation rotation of indoor units**, enabling you to match energy-saving operation hours with your utility tariffs plan. Building managers can also set the minimum and maximum temperature range for occupants and **visualize energy consumption** with daily, weekly or monthly comparison options.

Special features for hotels



NEW **Hotel mode** enables instant access to the functions demanded most by hotel guests. After guests check out, housekeeping can reset the controller in one touch.

Hotel setback allows interlocking with hotel key cards. When the room is vacant, the indoor unit switches to a selected energy-saving setback temperature, ensuring the room remains at a comfortable temperature when unoccupied.

Ideal for indoor units with motion sensor features

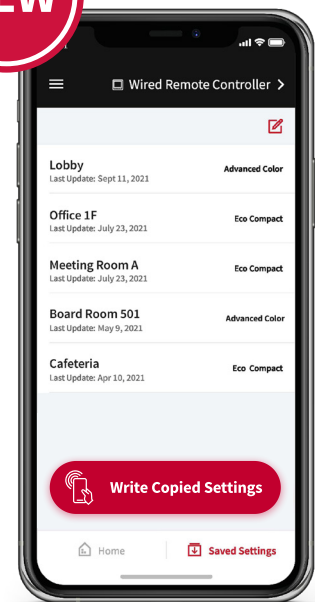
NEW

Active intelligent comfort features connected to your indoor unit's motion sensor and/or radiant sensor*: choice of direct/indirect air flow, **FeetWarm NEW**, **FloorSense Cool NEW** and the exclusive **Crowd-Sense NEW** to prevent heat peak from rapid crowd arrival.

* 7 languages available: Chinese (Simplified/Traditional), Japanese, English (°C/°F), French, Portuguese, Spanish
Confirm compatible indoor units with sensing features with your Hitachi Cooling & Heating dealer.

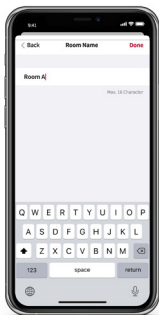
airCloud Tap: Use your phone to set the controller!

The Advanced Color Controller is NFC-enabled, simplifying the setup and maintenance via the airCloud Tap app. The app offers illustrations, visual guides and descriptions, saving you time and making the process easier than ever.



App highlights

Installation & commissioning



Room address

Room address

Use your mobile phone's keypad to quickly type in each room name.

Date/Time setting

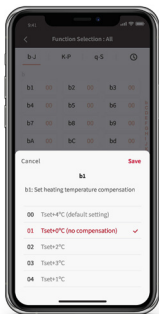
Import time and date settings from your mobile phone directly into the Advanced Color Controller.

airCloud Tap time-saving tip

Save your setting preferences inside the app to quickly apply them again later. A simple tap is all it takes to copy, paste and apply your saved settings. This is particularly useful for multiple zones with similar needs, e.g. hotel guestrooms, office meeting rooms, condominium units, etc. Users can specify all the settings for one zone, save them, then apply these settings to other zones in one tap.

Simple 4-step 'Read & Write' process

Operation



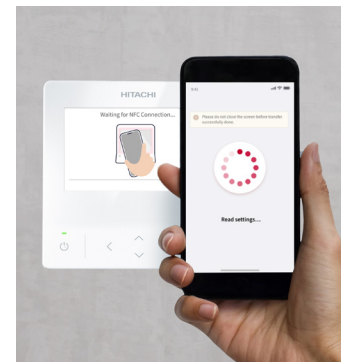
Function selection

Function selection

Browse over 140 features and edit settings quickly via the app.

Scheduling

View weekly schedules clearly and make quick adjustments easily.



1 Activate the NFC function on the controller.

2 Open the airCloud Tap app and tap the controller with your phone to create a connection.

Maintenance & service



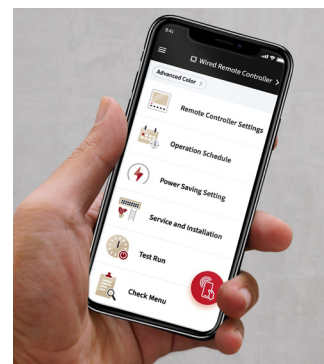
Error & history

Troubleshooting

Complete service check data is displayed including connected indoor and outdoor units, refrigeration cycle information, sensor data, and more.

Error alarm & history

Error alarm codes and their descriptions are displayed on the app; error histories can be forwarded to support the servicing of controllers.



3 Edit the desired settings on your phone. You don't need to be close to the controller while editing.



4 Tap the controller with your phone to write the new settings and apply them to the controller.



*In selected countries from Dec-2021



*In selected countries from Jan-2022



airCloud Tap is available for free in Google Store and IOS appstore. Quick sign up with minimal personal information.

Specifications



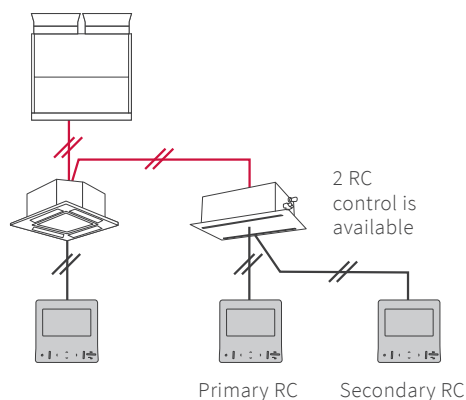
- 1 Room name
- 2 Set temperature
- 3 Set temperature setpoint
- 4 Operation mode
- 5 Indoor unit ON/OFF light
- 6 Indoor unit ON/OFF
- 7 Navigation buttons
- 8 Back button
- 9 OK button
- 10 Fan speed
- 11 Louver direction
- 12 Access to menu
- 13 Filter cleaning reminder

Advanced Color wired remote controller	PC-ARFG1-*
Power Supply	Powered by indoor unit, 15VDC±10%
Dimensions	W 120mm × H 120mm* × D 16.5mm(thinnest part) W 120mm × H 120mm* × D 21.5mm(thickest part)
Weight	180g (approx.)
Installation	Indoor, on the wall or switch box
Connection capacity	Up to 16 indoor units (with the same wired remote controller)
▲ Display Brightness	When two wired Advanced Controller units are connected to the same indoor unit, the maximum brightness of each controller will be halved

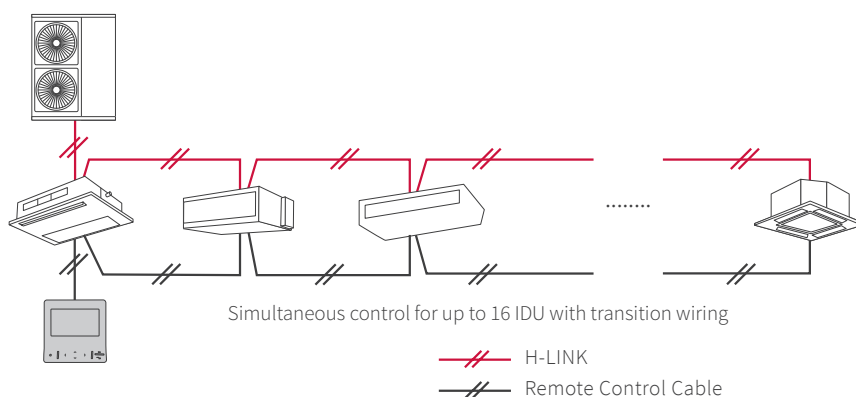
* H is the height of the unit from the front, without the protrusion at the bottom.

Example of System Configuration

Possibility of 2 Wired Controller Connection



Up to 16 IDU Connection



Functions

Function menu	Simple Timer
	Operation Schedule
Function menu	Power Saving Setting
	Night Quiet Operation
Function menu	Power Saving/Night Quiet Schedule
	Power Consumption Display
Function menu	Autoboost
	Comfort Setting
Function menu	Motion Sensor Setting
	Setback Setting
Function menu	Elevating Grille
	Reset Filter Reminder Time
Function menu	Filter cleaning
	FrostWash Setting NEW
Function menu	Individual Louver Setting
	Louver Open/Close
Function menu	Ventilation
	Total Heat Exchanger SET
Screen Display setting	Adjust Date/Time
	Run Indicator Brightness
Screen Display setting	Display Adjustment
	Temperature
Screen Display setting	Language Setting
	Chinese (Simplified/Traditional), Japanese, English(°C/°F), French, Portuguese, Spanish

Service and installation menu / Service	Lock Function
	Password Setting NEW
Service and installation menu / Service	Hotel mode NEW
	Power Saving Detail Setting
Service and installation menu / Service	Temperature Range Restriction
	Dual Setpoint
Service and installation menu / Service	Main/Sub Display
	Set Room Name
Service and installation menu / Service	Set Contact Information
	NFC Setting NEW
Service and installation menu / Service	Simple Maintenance
	Test Run
Service and installation menu / Service	Function Selection
	Input/Output
Service and installation menu / Service	Thermistor Selection
	Thermistor Calibration NEW
Service and installation menu / Service	Fan Speed at Thermo-Off NEW
	Indoor Unit Address Change
Service and installation menu / Service	Address Check Operation
	Address Initialization

Service and installation menu / Installation	Setting Initialization
	Main Remote Setting
Service and installation menu / Installation	Priority Setting
	Cancel Preheating Control
Service and installation menu / Installation	Elevating Grille Setting
	Power Up Setting
Service and installation menu / Installation	Setback Trigger Unit
	Check 1
Service and installation menu / Check	Check 2
	Alarm History Display
Service and installation menu / Check	Display Model Number
	Check PCB of the Units
Service and installation menu / Check	Self Check

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