HITACHI

Advanced Color Controller
(PC-ARFG2-Z)

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
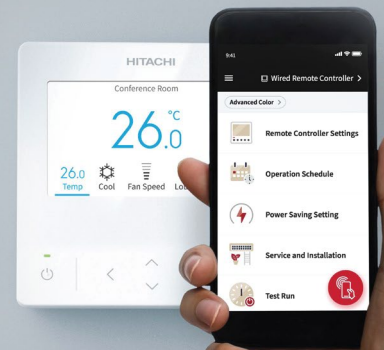- Modern and subtle colors

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

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 Comfort
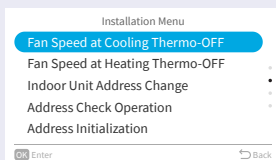- Not Set
- LOW
- MED ✓
- HIGH

OK Select   ↩ Back

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.
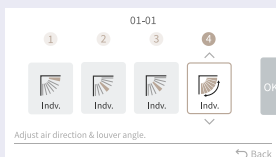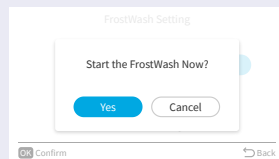
Autoboost
- Not Set
- LOW
- Heat
- Cool + Heat ✓

OK Select   ↩ Back

Operation Schedule   Mon PM05:34
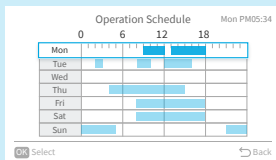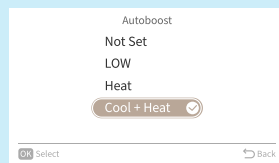
AC Scheduling is easier than ever, thanks to flexible features such as the holiday calendar.

The latest VRF features

Installation Menu
- Fan Speed at Cooling Thermo-OFF
- Fan Speed at Heating Thermo-OFF
- Indoor Unit Address Change
- Address Check Operation
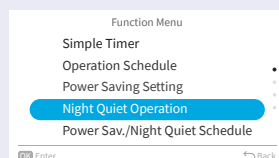- Address Initialization

OK Enter   ↩ Back

Fan speed at thermo-off reduces air circulation when cooling or heating is not effective.

(NEW)

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

FrostWash Setting

Start the FrostWash Now?

Yes   Cancel

OK Confirm   ↩ Back

01-01
① ② ③ ④
Indv. Indv. Indv. Indv.
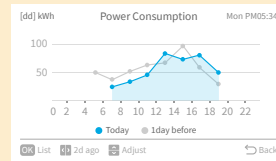Adjust air direction & louver angle.
↩ Back

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.
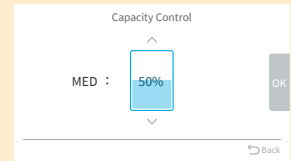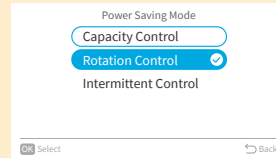
Function Menu
- Simple Timer
- Operation Schedule
- Power Saving Setting
- Night Quiet Operation
- Power Sav./Night Quiet Schedule

OK Enter   ↩ Back

Energy optimization

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

[dd] kWh   Power Consumption   Mon PM05:34
100
50
0 2 4 6 8 10 12 14 16 18 20 22
● Today   ○ 1day before
OK List   2d ago   Adjust   ↩ Back

Energy consumption visualisation

Capacity Control
∧
MED : 50%   OK
∨
↩ Back

Capacity – peak cut control

Power Saving Mode
- Capacity Control
- Rotation Control ✓
- Intermittent Control

OK Select   ↩ Back

Choice of power-saving method

Power Saving Setting
- ON/OFF : ON
- Mode Selection : Intermittent Control
- Level : LOW

OK Enter   ↩ Back
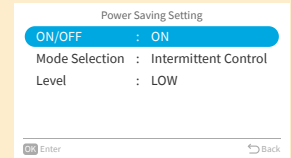
Power saving setting

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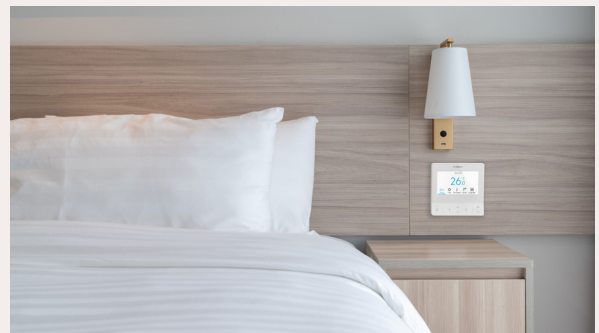
(NEW) Hotel mode enables instant access to the functions demanded most by hotel guests. After guests check out, housekeeping can reset the controller in one touch.

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.
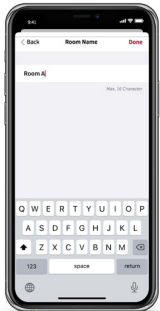
airCloud Tap: Use your phone to set the controller!

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.

NEW
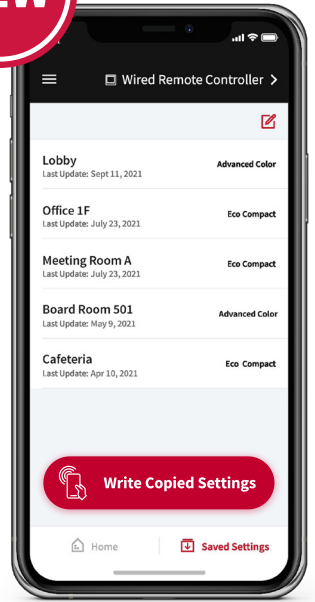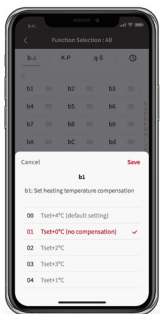
App highlights

Installation & commissioning

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.

Room address

Operation

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

Scheduling
View weekly schedules clearly and make quick adjustments easily.

Function selection

Maintenance & service

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.

Error & history

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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.
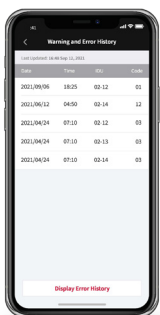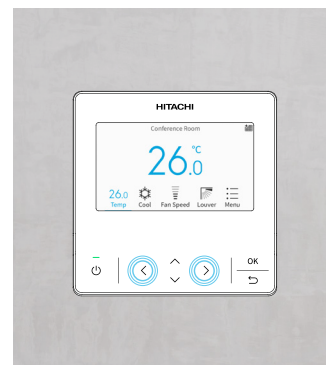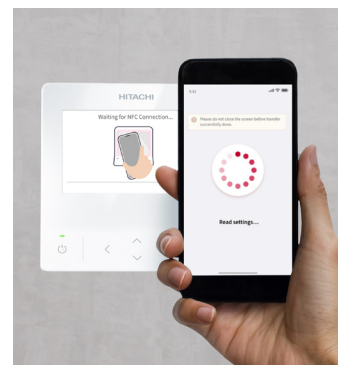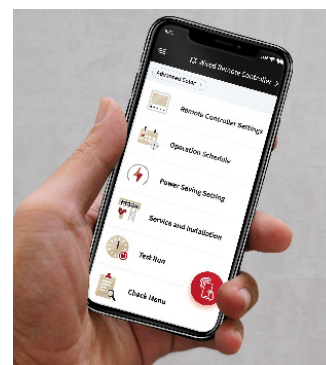
Simple 4-step 'Read & Write' process

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.

3 Edit the desired settings on your phone. You don't need to be close to the controller while editing.
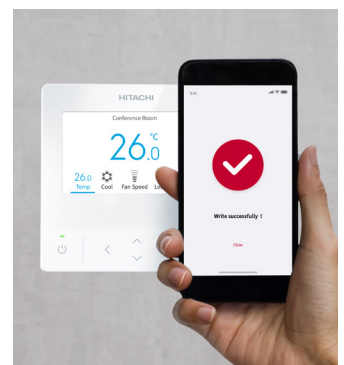
4 Tap the controller with your phone to write the new settings and apply them to the controller.

Available on the App Store
*In selected countries from Dec-2021

ANDROID APP ON Google Play
*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

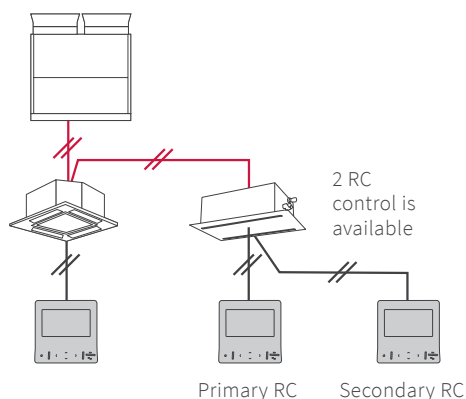| | 1 | Room name |
	2	Set temperature
	3	Set temperature setpoint
	4	Operation mode
	5	Indoor unit ON/OFF light
	6	Indoor unit ON/OFF
	7	Navigation buttons
	8	Back button
	9	OK button
	10	Fan speed
	11	Louver direction
	12	Access to menu
	13	Filter cleaning reminder

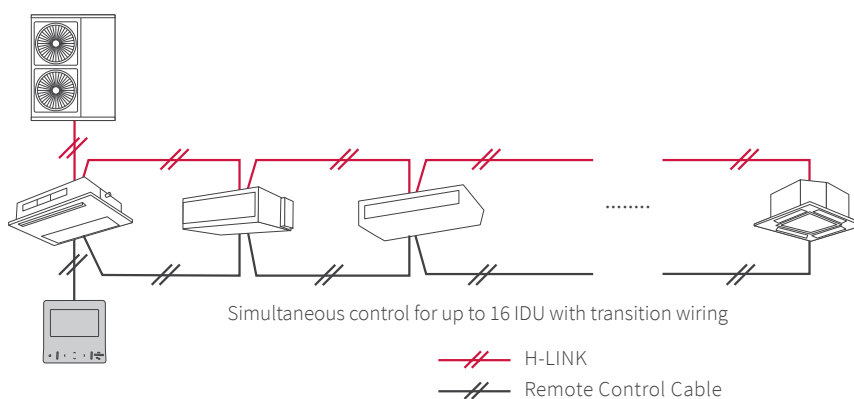| Advanced Color wired remote controller	PC-ARFG2-Z
Power Supply	Powered by indoor unit, 15VDC±10%
Dimensions	W 120mm × H 120mm* × D 16.5mm(thinnest part) W 120mm × H 120mm* × D 21.5mm(thickest part)
Weight	180g (approx.)
Installation	Indoor, on the wall or switch box
Connection capacity	Up to 16 indoor units (with the same wired remote controller)
▲DisplayBrightness	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

2 RC control is available

Primary RC   Secondary RC

Up to 16 IDU Connection

Simultaneous control for up to 16 IDU with transition wiring

H-LINK
Remote Control Cable

Functions

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

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

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

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