Manuals+ — User Manuals Simplified.

HITACHI PC-ARFG1-A Advanced Colour Controller Thermostat Owner's Manual

Contents

HITACHI

HITACHI PC-ARFG1-A Advanced Colour Controller Thermostat

The Hitachi Advanced Color Controller is a state-of-the-art wall controller that provides climate control with a touch of style. Its user-friendly interface, easy-to-navigate menus, and availability in 7 languages make it an ideal choice for venues with stylish interior design, energy-conscious building managers, and users who want to customize the air to their specific needs.

Award-winning Design

The Hitachi Advanced Color Controller boasts an award-winning design that combines form and function. It features pictograms and colors for an optimal user experience, making it easy to use for people of all ages.

Near-field Communication (NFC) Enabled

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. 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.

Main Features

- Control main temperature settings
- GentleCool Comfort ensures optimal comfort by limiting the temperature of conditioned air and preventing cold drafts
- AutoBoost automatically activates for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster
- Operation Schedule allows easy AC scheduling thanks to flexible features such as the holiday calendar
- Fan speed at thermo-off reduces air circulation when cooling or heating is not effective
- FrostWashTM function allows for easy activation, scheduling, and checking of the history of indoor units' FrostWashTM function

- Individual 4-way cassette louvers optimize air flow direction to each corner layout
- Schedule Night Quiet mode to minimize the outdoor unit operation noise so you and your neighbors get a better night's sleep
- Hotel mode enables instant access to the functions demanded most by hotel guests
- Hotel setback allows interlocking with hotel key cards and switches to a selected energy-saving setback temperature when the room is vacant
- Active intelligent comfort features connected to your indoor unit's motion sensor and/or radiant sensor

Usage Instructions

To use the Hitachi Advanced Color Controller, follow these simple steps:

1. Press the ON/OFF button to turn on the AC
2. Use the Advanced Color Controller's main screen to control the main temperature settings
3. Select GentleCool Comfort to ensure optimal comfort by limiting the temperature of conditioned air and preventing cold drafts
4. Select AutoBoost to automatically activate for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster
5. Use the Operation Schedule feature to schedule AC usage according to your needs, including holidays
6. Select Fan speed at thermo-off to reduce air circulation when cooling or heating is not effective
7. Activate, schedule, and check the history of indoor units' FrostWashTM function
8. Use Individual 4-way cassette louvers to optimize air flow direction to each corner layout
9. Schedule Night Quiet mode to minimize the outdoor unit's operation noise for a better night's sleep
10. Use Hotel mode to enable instant access to the functions demanded most by hotel guests
11. Use Hotel setback to allow interlocking with hotel key cards and switch to a selected energy-saving setback temperature when the room is vacant
12. Activate active intelligent comfort features connected to your indoor unit's motion sensor and/or radiant sensor for a personalized experience
13. Use the airCloud Tap app with Near-field communication (NFC) for easy setup and maintenance of the Advanced Color Controller

By following these simple steps, you can enjoy climate control made easy with Hitachi's most advanced wall controller yet.

Introduction

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
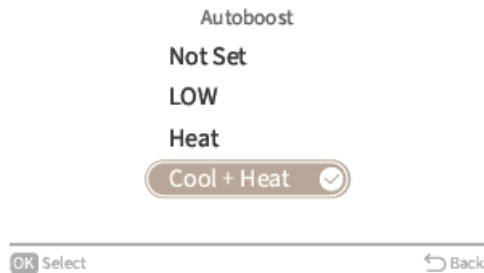- Energy-conscious building managers

Advanced-Color Controller
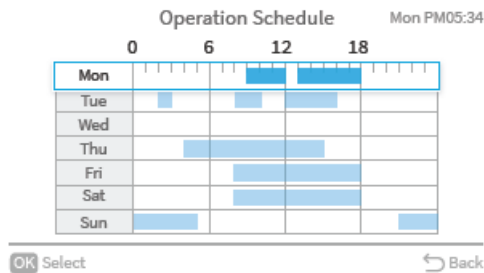
From basic to advanced functions

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.
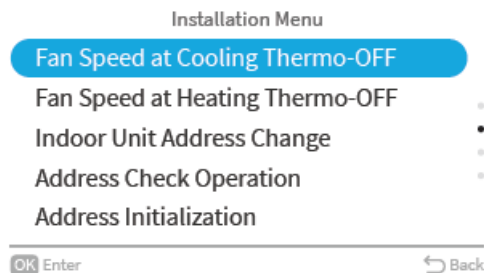
Autoboost

Not Set

LOW

Heat

Cool + Heat ✓

OK Select   ↩ Back

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

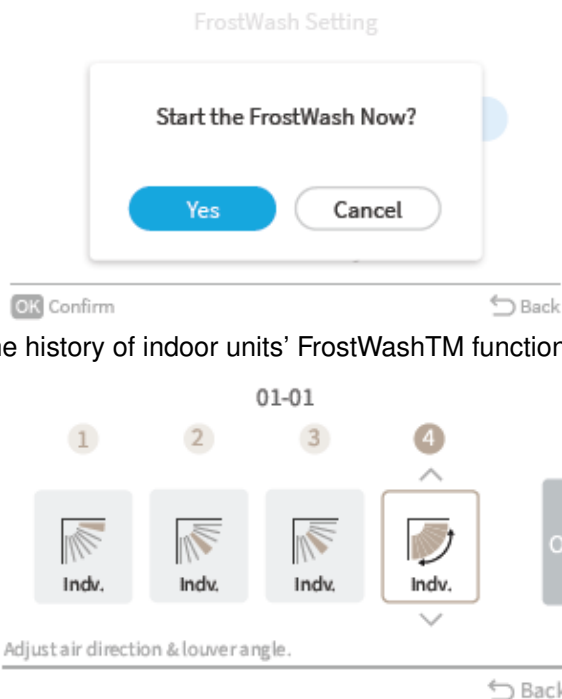Operation Schedule   Mon PM05:34

	0	6	12	18
Mon				
Tue				
Wed				
Thu				
Fri				
Sat				
Sun				

OK Select   ↩ Back

- 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.

FrostWash Setting

Start the FrostWash Now?

Yes   Cancel

OK Confirm   ↩ Back

- Activate, schedule and check the history of indoor units' FrostWashTM function.

01-01

1   2   3   4

Indv.   Indv.   Indv.   Indv.   OK

Adjust air direction & louver angle.

↩ Back

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

Function Menu

Simple Timer

Operation Schedule

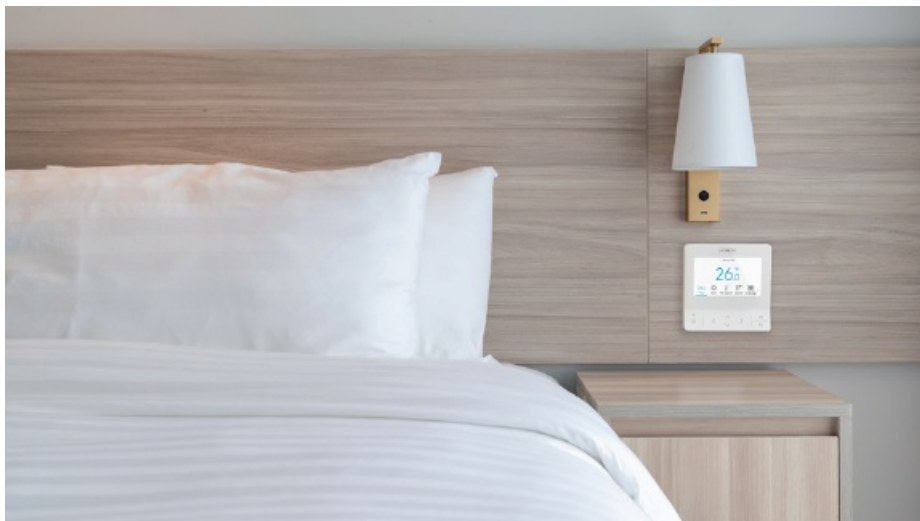Power Saving Setting

Night Quiet Operation

Power Sav./Night Quiet Schedule

OK Enter   ↩ Back

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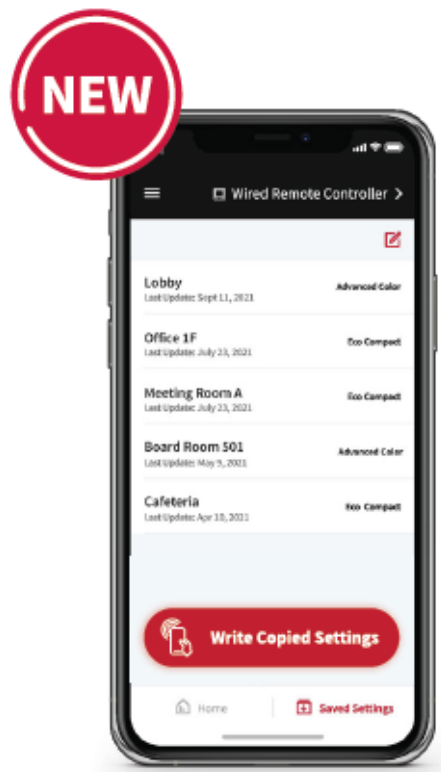
Special features for hotels

- 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 energysaving setback temperature, ensuring the room remains at a comfortable temperature when unoccupied.

Ideal for indoor units with motion sensor features

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.

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

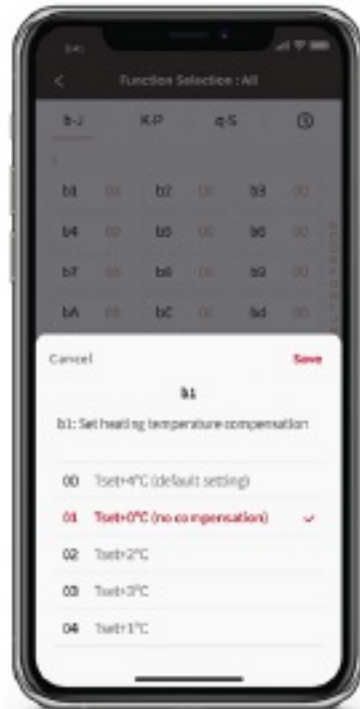*Installation & commissioning*

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.

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.

Maintenance & service

Error & history

Troubleshooting

- Complete service check data is displayed including connected indoor and outdoor units, refrigeration cycle information, sensor data, and more.
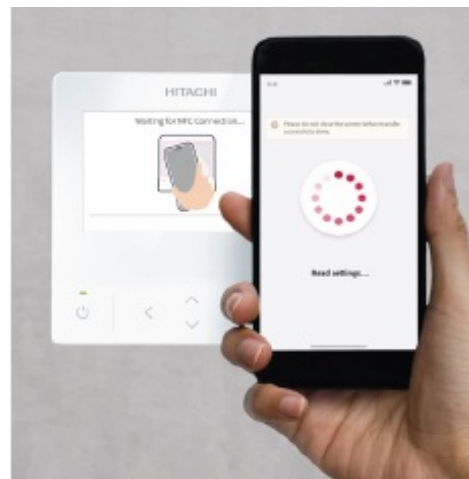
Error alarm & history

- Error alarm codes and their descriptions are displayed on the app; error histories can be forwarded to support the servicing of controllers.
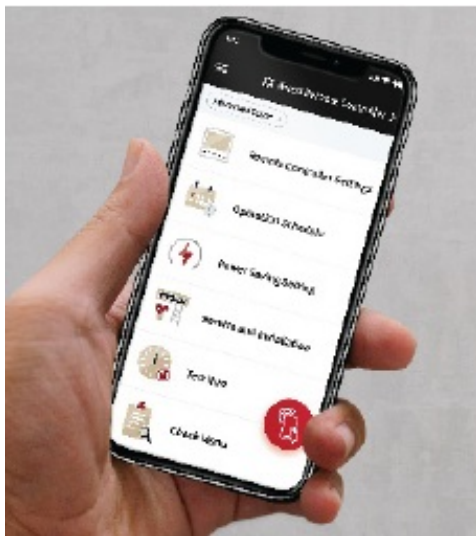
airCloud Tap time-saving tip

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.

*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.
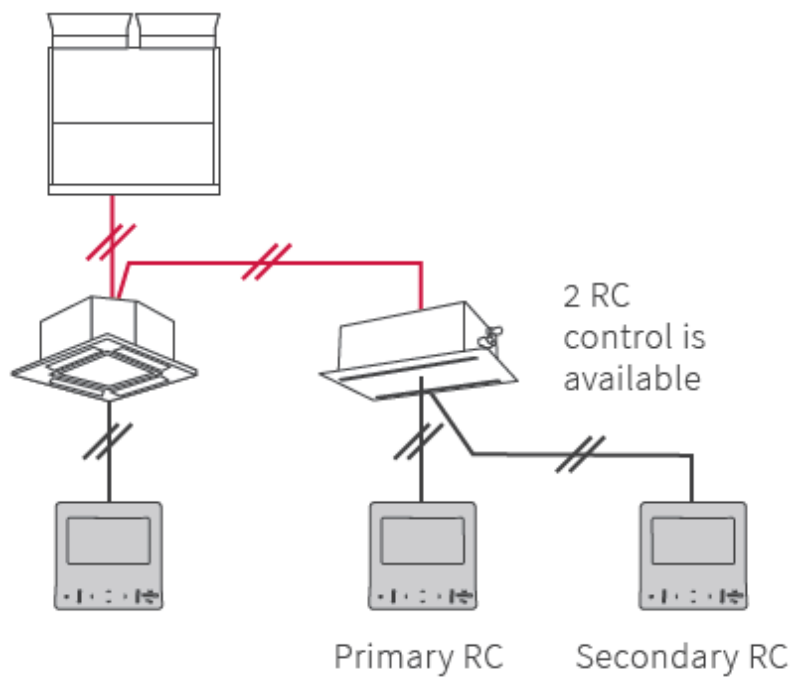
Specifications

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
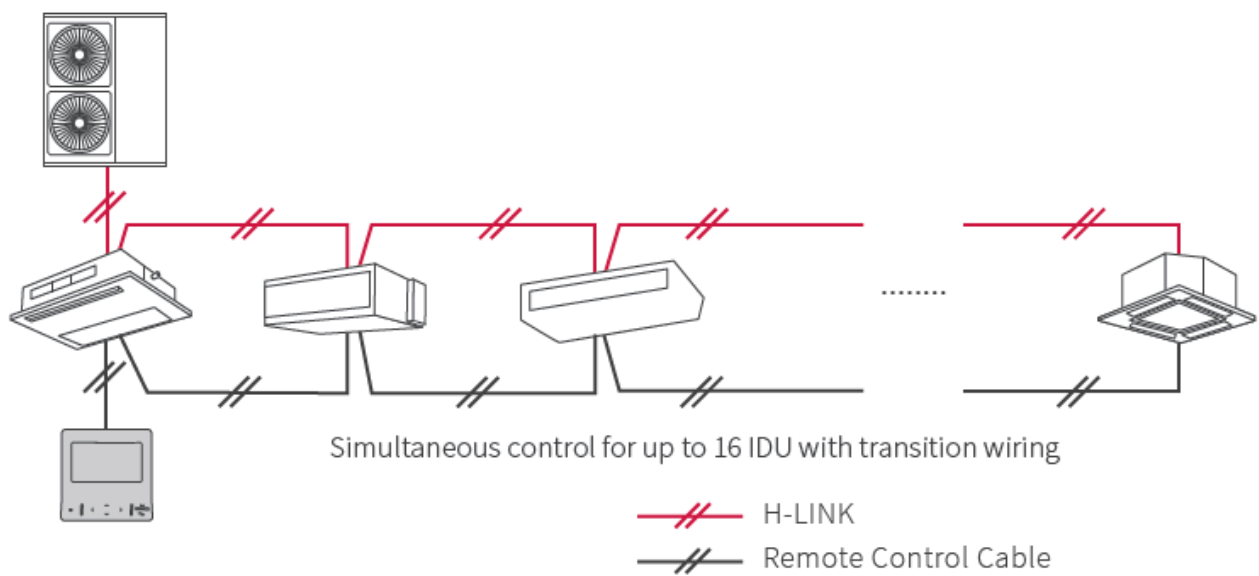13. Filter cleaning reminder

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

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

visit: **hitachiaircon.com.au**

Documents / Resources

Advanced Colour Controller	**HITACHI PC-ARFG1-A Advanced Colour Controller Thermostat** [pdf] Owner's Manual PC-ARFG1-A Advanced Colour Controller Thermostat, PC-ARFG1-A, Advanced Colour Controller Thermostat, Controller Thermostat

References

- air **hitachiaircon.com.au**

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