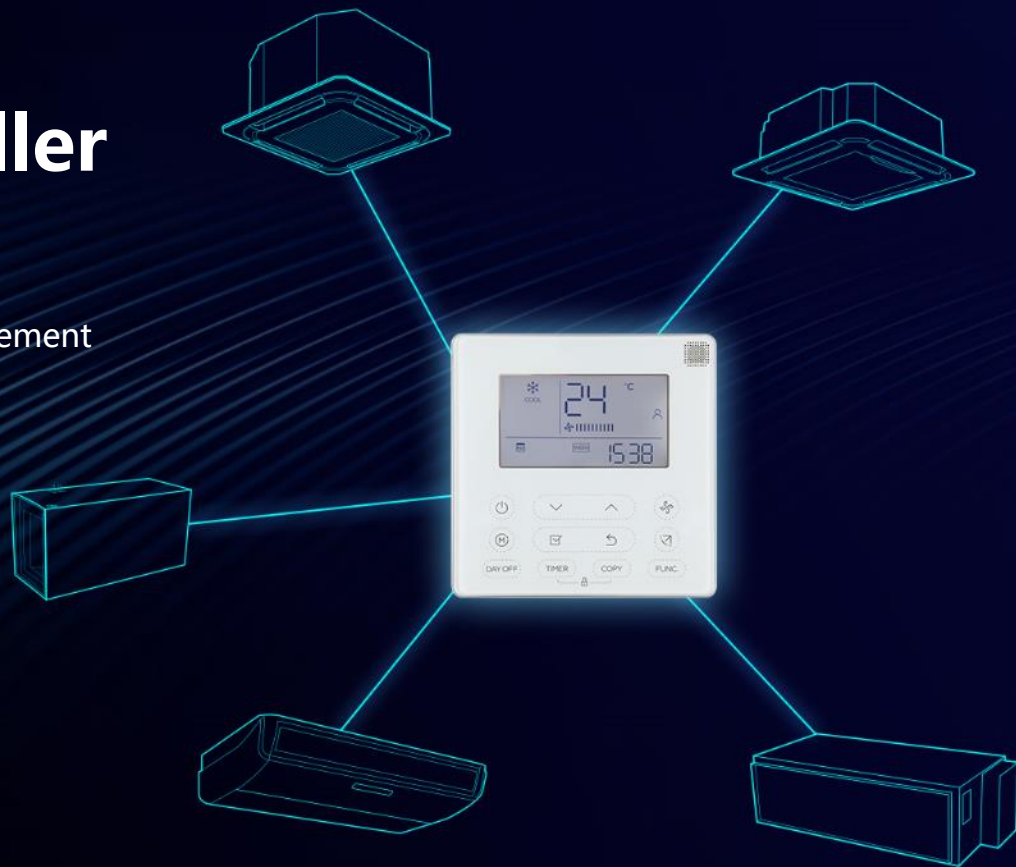




New Wired Controller ——KJR-120X

The project solution for air conditioner management



Introduction

New 120X wired controller aggregates project-customized features, scenario-specialized functions, user-friendly design to create a unified management system.

- Management Convenience
- Energy-Saving
- Comfortable Experience
- Easy Installation





Operation Mode Locking

You can lock operation mode on 120X wired controller for best energy efficiency. It ensures the operation modes that end users can set is only the one you offer, such as heating & cooling, cooling only, cooling only, heating only and No Auto. Meanwhile, it allows to change the operation mode of units by remote control.

Cooling Only



Cooling



Dehumidify



FAN

No Auto



Cooling



Heating



FAN



Dehumidify

Heating Only



Heating



FAN

Cooling/Heating



Auto



Dehumidify



Heating



FAN

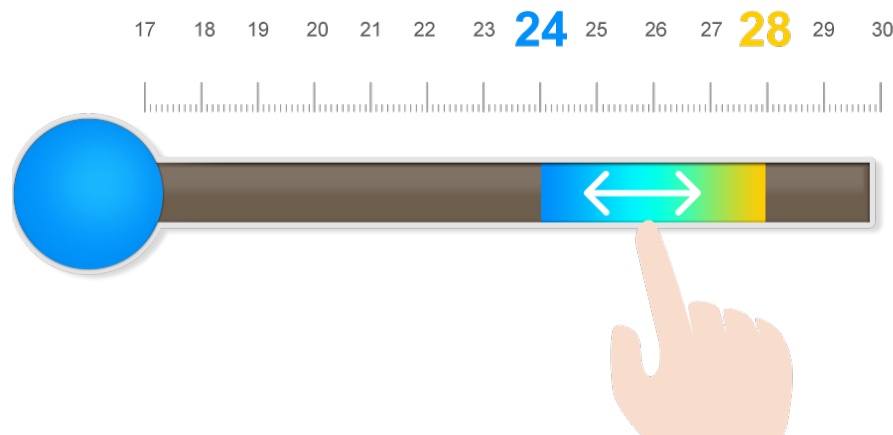


Cooling

Temperature Setting Range



It allows to restrict the available temperature setting range of wired controller, for example, 24°to 28°. The room always remains comfortable with lowest energy consumption, which is useful in hotel, office, hospital and school. But you can still adjust cooling or heating temperature by remote control from 17°to 30°as always.



External Static Pressure Adjustment

Auto Airflow Volume Match can be initiated on 120X wired controller. It's exclusive technology to automatically adjust the static pressure of Ducted unit for best sense of comfort and installation convenience. This function from 120X wired controller definitely beats the manual adjustment of static pressure as before.

- Only for A6 inverter duct



- When the air conditioning unit is off, press COPY button into the query function of temperature.



- Then press "V" or "A" to select "AF", press "Confirm" into test mode, the "ON" stars to flicker.



- In AF mode, 3~6 minutes test completion automatically exits, "AF" disappears.





Operation Information Query

The 120X wired controller can check room temperature, evaporator temperature, condenser temperature, ambient temperature and error codes.



°C & °F interconversion

The 120X wired controller allows the interconversion the temperature display between Celsius and Fahrenheit and automatically recognizes the factory setting of units.



Rotation & Back-up

Those demanding scenarios, such as server room, require consistent cooling/heating to maintain prescriptive temperature in room. The Rotation & Back-up function of 120X wired controller ensures the best working time arrangement of air conditioners.



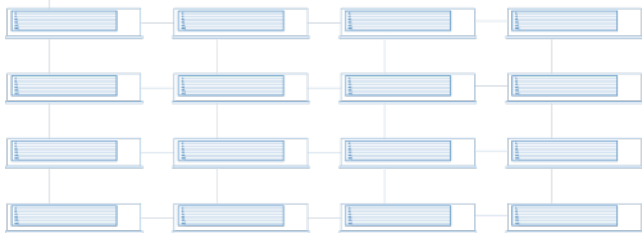
Group Control

One 120X wired controller can adjust the operation mode, temperature and fan speed of up to 16 indoor units together. It saves the cost and simplifies the control of multiple IDUs in big spaces where it needs even temperature. One command controls all of machines to keep them aligned.

- Indoor units must be the same category



X16





Dual Control

Two 120X wired control can match to one air conditioner. This feature is designed to humanize the control in reality. You can make adjustment in living room and choose preferred modes after getting back to bedroom. It's feasible to set on two long-distance sides.



Individual Louver Control

It allows individually control the every louver of super slim cassette and for best comfortable experience on 120X wired controller.



Power-off Memory

120X wired controller can order the machine to restore the setting before power-off, including temperature, fan speed, operation mode, weekly timer, louver position and Follow-Me.



Remote Control Compatible

With Infrared Receiver built-in, 120X wired control can receive the signals from remote controller and realize conventional functions. Convenient and compatible.



Child Lock

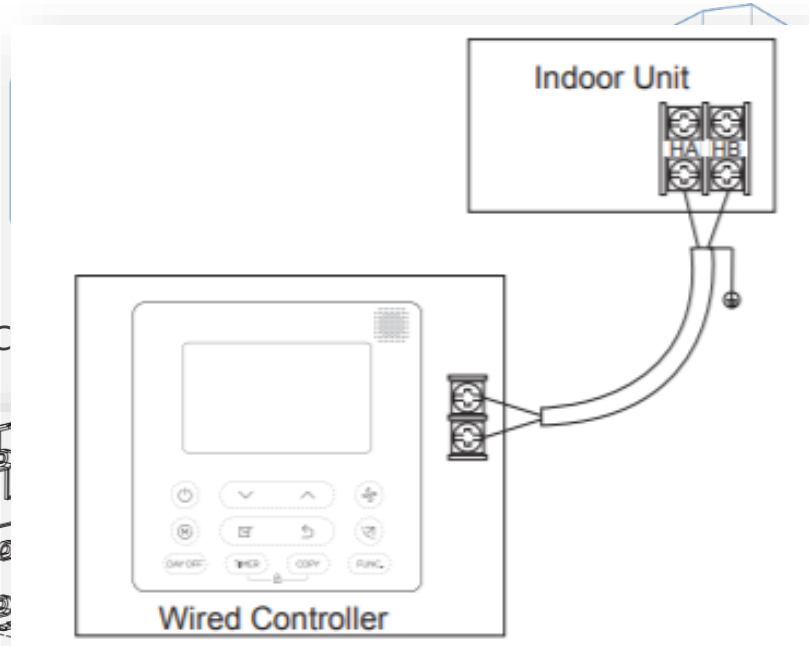
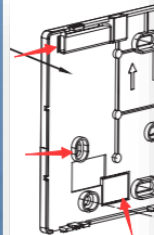
This function can lock the 120X wired controller and prevent erroneous or mischievous setting change. It will save energy consumption, especially in shops, restaurants and offices.



Easy Installation

120X wired controller is connected to indoor units via two wires without polarity. It simplifies the application and saves the efforts of installation installers.

● 4 C



length

Modern White Appearance

Simple & powerful panel design will fit in different kinds of decoration. Classic white always bring the atmosphere of peace and elegance.

- White Backlight

It shows the information in the dark clearly and in the day moderately for 15 seconds by once touch.

- Touch-to-press

The soft lines reminds of where to touch, and the soft touch gets fast response.



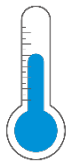


Follow-Me

The wired controller also realizes the Follow-Me comfort, as the remote control can do. The 120X has a temperature sensor built-in to sense its surrounding temperature. And the unit can accurately adjust the room temperature, according to the feedback from 120X, to ensure the best comfortable feeling.



Sensed Temp 26°C



Actual Temp 26°C



Sensed Temp 26°C



Actual Temp 29°C

(*Factory setting default is to switch the Follow-me on, can cancel manually)



Weekly Timer

Two weekly timer are available, WT1 & WT2. By contrast, WT2 has more choices in setting and manages the air conditioner specifically. They can't be set at the same or with conventional timing function together.

| Sun | | | | | Mon | ..... | Fri | Sat | | | | | | | |
|---------|---|---|---|---|-------|-------|-----|-------|---|---|---|--|--|--|--|
| Session | 1 | 2 | 3 | 4 | ..... |  |  | 1 | 2 | 3 | 4 | | | | |
| Setting | 4 different session for 1 day Only switch on/off Setting |  |  |  | ..... |  |  | ..... |  |  |  |  |  |  |  |

| Sun | | | | | | | | | Mon | ..... | Fri | Sat | | | | | | | |
|---------|---|---|---|---|---|---|---|---|-------|-------|-----|-------|---|---|---|---|---|---|---|
| Session | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ..... |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Setting | 8 different session for 1 day Every session can have different setting mode, temperature, fan speed, switch on/off |  |  |  |  |  |  |  | ..... |  |  | ..... |  |  |  |  |  |  |  |

| Sun | | | | | | | | | Mon | ..... | Fri | Sat | | | | | | | |
|---------|---|---|---|---|---|---|---|---|-------|-------|-----|-------|---|---|---|---|---|---|---|
| Session | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ..... |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Setting | 8 different session for 1 day Every session can have different setting mode, temperature, fan speed, switch on/off |  |  |  |  |  |  |  | ..... |  |  | ..... |  |  |  |  |  |  |  |





10 Scenario-specialized Functions



- ✓ Follow-Me
- ✓ Rotation & Back-up
- ✓ 1 to 16 Control
- ✓ 2 to 1 control
- ✓ Individual Louver Control
- ✓ Weekly Timer
- ✓ Remote Control Compatible
- ✓ Power-off Memory
- ✓ Child Lock
- ✓ Windblast



Functions & Features

| Content | Description | 120X2 Two-way communication Wired Controller | 120X Two-way Non-polarity Wired Controller |
|---------------------|---|---|---|
| | Picture |  |  |
| | Available date | 2019.8.30 | 2019.8.30 |
| Basic Configuration | Connected via display board | ✗ | ✗ |
| | Two-way communication(4-wired) | ✓ | ✗ |
| | Two-way communication(2-wired non-polarity) | ✗ | ✓ |
| | Infrared signal receiver | ✓ | ✓ |
| | Backlight | ✓ | ✓ |
| | Buzzer | ✓ | ✓ |
| | Touch Button | ✓ | ✓ |
| | Press Button | ✗ | ✗ |
| | 0.5°C Temp Display | ✗ | ✗ |
| | Wiring Method | PCB CN40 | PCB CN40 + Adaptor Board |
| Basic Functions | ON/OFF | ✓ | ✓ |
| | Mode | ✓ | ✓ |
| | Temp Adjustment | ✓ | ✓ |
| | Fan speed | ✓ | ✓ |

Remark——

*** Infrared signal receiver:** The 120X wired controller only can realize existing functions, such as switch, mode, temp, fan speed, Follow-Me, turbo, swing. But it can't response other functions and the unit will not open these functions.

Functions & Features

| Content | Description | 120X2 Two-way communication Wired Controller | 120X Two-way Non-polarity Wired Controller |
|--------------------|---------------------------|---|---|
| | Picture |  |  |
| | Available date | ready now | ready now |
| Extended Functions | Turbo | ✓ | ✓ |
| | Follow Me | ✓ | ✓ |
| | 24-hour System | ✓ | ✓ |
| | 12-hour System | ✓ | ✓ |
| | Weekly Timer | ✓ | ✓ |
| | Timer ON/OFF | ✓ | ✓ |
| | Auto-restart | ✓ | ✓ |
| | Individual louver control | ✓ | ✓ |
| | Automatic airflow test | ✓ | ✓ |
| | Rotation & Back-up | ✗ | ✓ |
| | Dual Control | ✗ | ✓ |
| | Group Control | ✗ | ✓ |
| | Child Lock | ✓ | ✓ |
| Project Mode | Setting Temp Limit | ✓ | ✓ |

Remark—

* **Follow Me:** Use the Follow-Me function on remote control after turn off this function on wired controller. The Follow-Me on wired controller should be turned off by wired controller, not by remote control.

* **Individual louver control:** Only for Cassette.

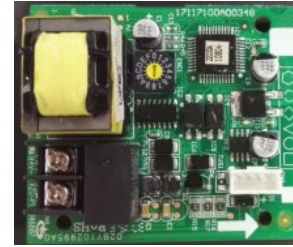
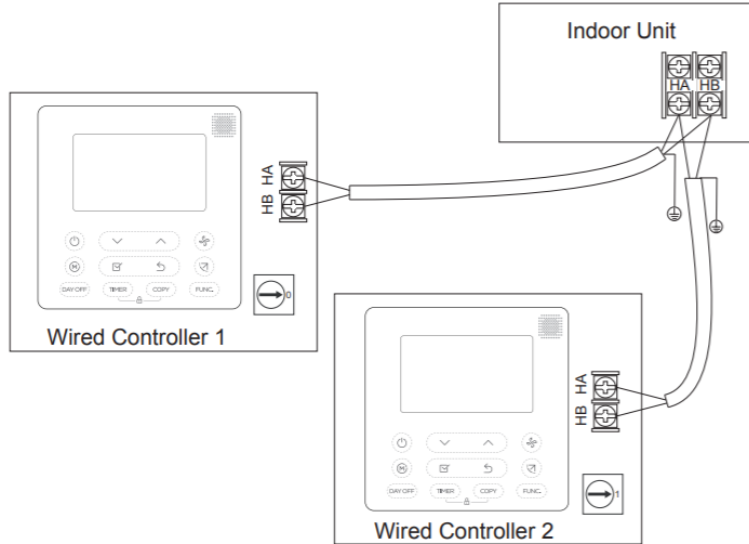
* **Rotation & Back-up:** Used in server room.

* **Dual Control:** Two Wired Controller for One Unit

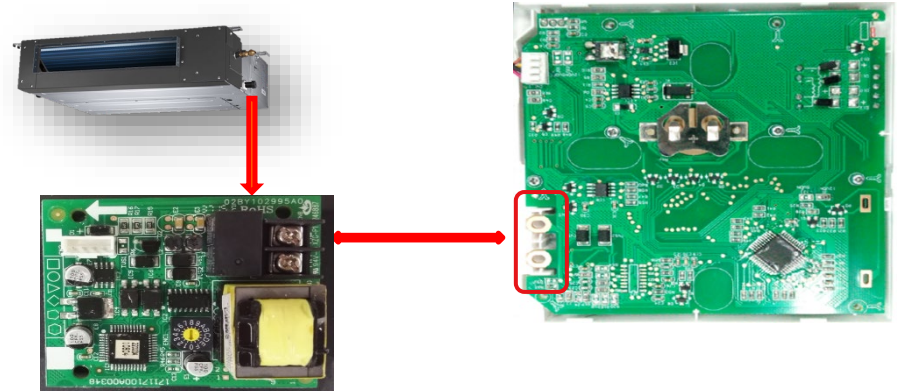
* **Setting Temp Limit:** Only lock the temp setting range of 120X wired controller, not the machine itself. The remote control can adjust the temp from 17°C to 30°C.

Wiring Connection

120X wired controller:17317100A26816
2 to 1 control



Convert
board:17122000
A33511

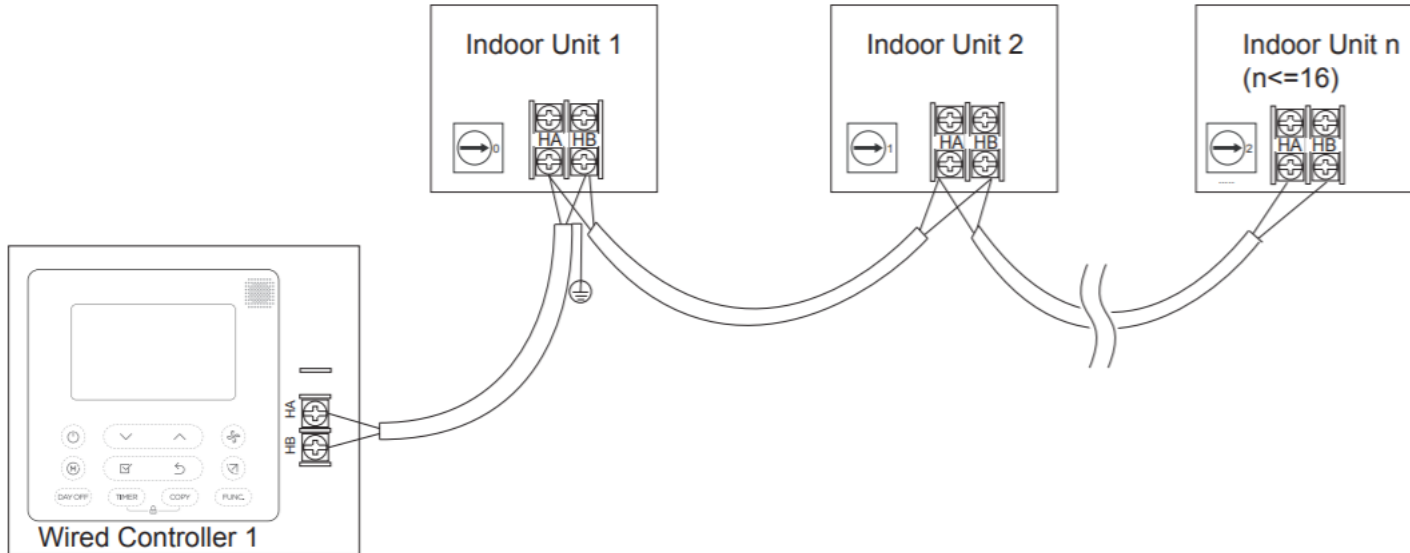


For connect with 2 wire non polarity controller , we must add a Convert Board connect to main control board.

Wiring Connection

120X wired controller

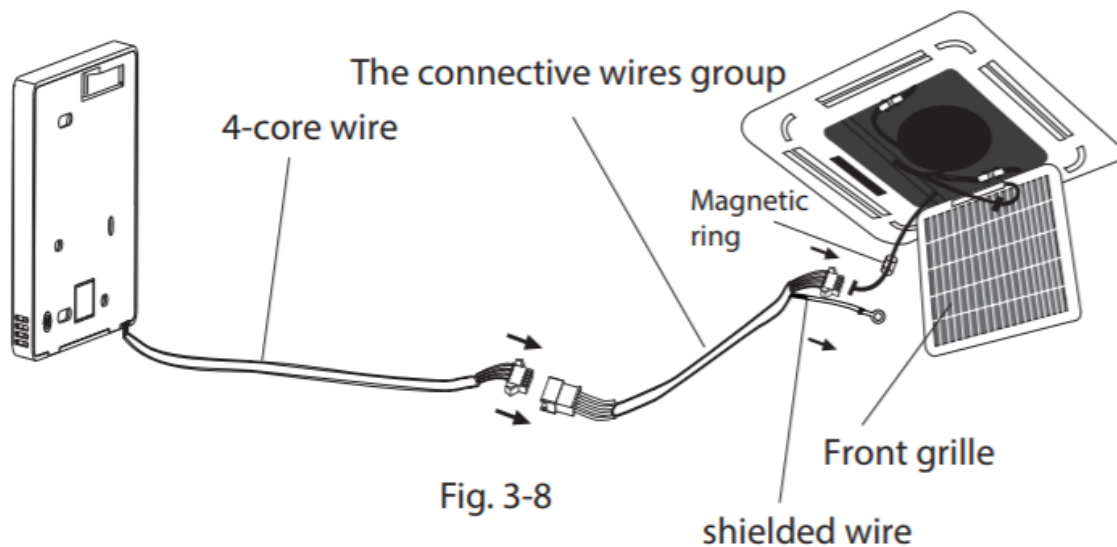
1 to 16 control



For connect with [2 wire non polarity](#) controller , we must add a [Convert Board](#) connect to main control board.

Wiring Connection

120X2 wired controller



Thanks