

## Technical Service Bulletin:

# Factory Default Set to Communication Mode

## Models: IDS Family Products



# BOSCH

### Introduction

Climate and Well-Being North America (CW/PAN) would like to announce that in order to better support our partners during the ongoing refrigerant transition and supply chain challenges, Bosch Home Comfort is changing the factory default setting for our products, which will now be configured to Communication Mode.

### What Will Be Changed?

For **IDS Ultra** the changes are as follows:

- ▶ It maintains communication mode as the factory default. The communication pigtail wire is now placed in the accessory bag so customers can select PQ or M1/M2 communication based on the application.
- ▶ The CBYW pigtail wire will be placed in the accessory bag. This pigtail wire supports Non-Communicating mode in case it is needed.
- ▶ Wiring Diagram updated adding Furnace Error Codes.
- ▶ Can communicate to Furnace with PQ communication.

For units already capable of Communication today, **IDS Premium ODU & AHU, and Light ODU**, the changes are as follows:

- ▶ Dip Switch will be configured to communication mode.
  - IDS Premium ODU Dip Switch **SW5-4** default is **ON**.
  - IDS Premium AHU Dip Switch **SW7-1** default is **ON**.
  - IDS Light ODU Dip Switch **SW5-4** default is **ON**.

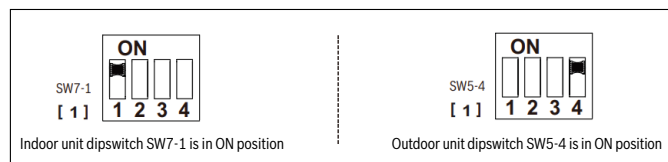


Figure 1

- ▶ The PQ Wire, which establishes the Communication Mode, will be factory-installed.
- ▶ The CBYW pigtail wire will be placed in the accessory bag. This pigtail wire supports Non-Communicating mode in case it is needed.
- ▶ Communication compatibility:
  - IDS Premium ODU > BIVA20 & Furnace
  - IDS Premium IDU > BOVA20 & BOVA15
  - IDS Light ODU > BIVA20, BIVA 15, Furnace, BIWA & BICA AHUs
- ▶ Wiring Diagram updated adding Furnace Error Codes for IDS Premium and Light ODU.

For units not capable of Communication, **IDS Light AHU, and IDS Ceiling Mount and Wall Mount**, the changes are as follows:

- ▶ PCB Board has been updated:
  - PQ port has been added for communication.
  - New board will be backwards compatible with the old unit.
  - The AHU will be able to support communication.
- ▶ Communication compatibility:
  - IDS Light IDU > BOVA15
  - Combat Units > BOVA15
- ▶ Dip Switch default changed to Communication:
  - IDS Light IDU, as well as IDS Ceiling Mount & Wall Mount, Dip Switch **SW7-1** default to **ON**.
- ▶ The PQ Wire will be factory-installed, which maintains the Communication Mode.
- ▶ The CBYW pigtail wire will be placed in the accessory bag. This pigtail wire supports Non-Communicating mode in case it is needed.

For the **Furnace** the changes are as follows:

- ▶ Furnace Dip Switch changed to Communication, SW1-3 default to ON.
- ▶ Communication compatibility with the following ODUs that are manufactured after the change implementation date:
  - BOVA20
  - BOVA19
  - BOVA15
- ▶ Fan Module board changes:
  1. Display board added.
  2. Dip-Switch changed.
  3. Thermostat terminal added to main PCB only.
  4. P/Q Communication Wire terminal added.

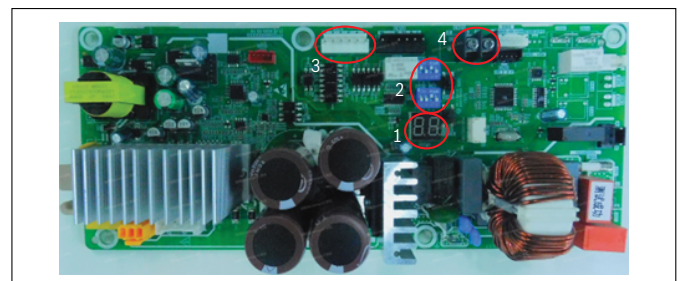


Figure 2

In case of **Non-Communicating Setup** for the **Furnace**, do the following:

1. Remove the wire connecting CN5 on the main control board and CN12 on the Fan Module board.
2. Take out 24VAC non-communication wires from accessory bag and plug it into CN5 on the main control board.
3. Connect the 24VAC non-communication wires to the four field supplied wires and connect the thermostat control wires to the thermostat wiring terminal on the main control board.
4. Set SW1-3 to "OFF". If installed with a Bosch IDS Condenser, ensure the Dip Switch SW5-4 is also configured to non-communicating mode. Refer to the Condenser Installation Manual.

No changes will be made to model numbers or part numbers.

Please see table 2 to better identify all the products this applies to.

## When Will This Change Happen?

This change has already been implemented at the manufacturing level.

For products manufactured in **Thailand**, the change has been in effect since **August 2025**. (Date Code: 585)

For products manufactured in **China**, the change has been in effect since **July 2025**. (Date Code: 575)

The Country of Origin can be identified from the product's serial number. Beginning August 2025, Bosch residential split system Outdoor Units (ODUs) and Indoor Units (IDUs) that were manufactured from July 2025 onwards. If your unit was manufactured in China before July 2025 or in Thailand before August 2025, then the factory default is set to Non-Communicating mode.

Example: IDS Ultra 5T Condenser - R-454B Serial Number				
Country of Origin (COO)	Organization department (OD)	Manufacturing Date (MD)	Counter Number (CN)	Part Number (PN)
China SN	352M	XXX	0xxxxx	8733958901
Thailand SN	352M	XXX	9xxxxx	8733958901

Table 1

## Frequently Asked Questions

**Q1:** Can I wire both 24V conventional wiring and Communication wiring?

**A1:** No, the system must be wired either 24V or the Communicating wiring.

**Q2:** Can I change from 24V wiring to Communicating in the future?

**A2:** Yes, Dip Switches will have to be changed on the indoor and outdoor unit, and with the Communication Wire installed. (Refer to Installation manuals).

**Q3:** Can I change from Communicating to 24V wiring in the future?

**A3:** Yes, Dip Switches will have to be changed on the Indoor and Outdoor Unit, and the wiring moved to C,Y,B,W on Outdoor Unit. (Refer to Installation manuals).

**Q4:** Will the Communication option work with Non-Bosch equipment?

**A4:** No, this applies to Bosch products only.

**Q5:** I just installed the equipment, I have the 24V at my Outdoor Unit but it won't turn on. What can I do?

**A5:** Check your Dip Switches on the Indoor and Outdoor Unit to ensure they are set for Non-Communicating.

Model Number	Part Number	Product Description
BOVA-36RTB-M20S	8733965410	IDS Prem - Conn 3T Cond (20SEER2) - R454B
BOVA-60RTB-M20S	8733965411	IDS Prem - Conn 5T Cond (20SEER2) - R454B
BOVA-24RXB-M15S	8733965412	IDS Light 2T Cond (upto18SEER2) - R454B
BOVA-36RXB-M15S	8733965413	IDS Light 3T Cond (upto18SEER2) - R454B
BOVA-60RXB-M15S	8733965414	IDS Light 5T Cond (upto18SEER2) - R454B
BIVA-24RCB-M20X	8733965415	IDS Premium 2T AHU (20SEER2) - R454B
BIVA-36RCB-M20X	8733965416	IDS Premium 3T AHU (20SEER2) - R454B
BIVA-48RCB-M20X	8733965417	IDS Premium 4T AHU (20SEER2) - R454B
BIVA-60RCB-M20X	8733965418	IDS Premium 5T AHU (20SEER2) - R454B
BIVA-24RXB-M15X	8733965419	IDS Light 2T AHU, PSC - R454B
BIVA-36RXB-M15X	8733965420	IDS Light 3T AHU, PSC - R454B
BIVA-48RXB-M15X	8733965421	IDS Light 4T AHU, PSC - R454B
BIVA-60RXB-M15X	8733965422	IDS Light 5T AHU, PSC - R454B
BGH96M060B3C	8733965433	96% Gas Furnace, 60kBTU/hr, B - R454B
BGH96M080B3C	8733965434	96% Gas Furnace, 80kBTU/hr, B - R454B
BGH96M080C4C	8733965435	96% Gas Furnace, 80kBTU/hr, C - R454B
BGH96M100C5C	8733965436	96% Gas Furnace, 100kBTU/hr, C - R454B
BGH96M100D5C	8733965437	96% Gas Furnace, 100kBTU/hr, D - R454B
BGH96M120D5C	8733965438	96% Gas Furnace, 120kBTU/hr, D - R454B
BIWA-18RXB-M16X	8733965439	Wall Mounted 1.5T AHU, ECM_R454B
BIWA-24RXB-M16X	8733965440	Wall Mounted 2T AHU, ECM_R454B
BIWA-30RXB-M16X	8733965441	Wall Mounted 2.5T AHU, ECM_R454B
BIWA-36RXB-M16X	8733965442	Wall Mounted 3T AHU, ECM_R454B
BICA-18RXB-M16X	8733965443	Ceiling Mounted 1.5T AHU, ECM_R454B
BICA-24RXB-M16X	8733965444	Ceiling Mounted 2T AHU, ECM_R454B
BICA-30RXB-M16X	8733965445	Ceiling Mounted 2.5T AHU, ECM_R454B
BICA-36RXB-M16X	8733965446	Ceiling Mounted 3T AHU, ECM_R454B

Table 2



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