



CONTROLS



Individual R32 series controls	118
Optional individual R32 controls	118
Optional R32 and P series centralized controls	119
Individual P series controls	119
P series group controls	119
Optional P series centralized controls	120
Optional accessories	120
Interfaces for BMS protocols	120
Optional individual controls for 3-pipe systems	120
XRV MOBILE BMS centralized control	121
Hokkaido WiFi	121
New program for XRV Systems sizing	122
Optional control compatibility	123
Appendix	123

CONTROLS

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INDIVIDUAL R32 SERIES CONTROLS



R32
INAZAMI

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Adjustable fan speed: 1~100%.
- Vertical and horizontal louver swing.
- Sleep.
- Turbo.
- LED function.
- Silence Mode.
- FP mode.
- Follow Me function.
- On/off timer.
- Breeze Away.
- Eco/Gear.
- Fresh.



R32
V-DESIGN PLUS

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Vertical louver swing.
- Sleep.
- Turbo.
- LED function.
- Eco function.
- Follow Me function.
- On/off timer.
- Self Clean.



R32
ACTIVE

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Vertical louver swing.
- Direct function.
- Sleep.
- Turbo.
- LED function.
- Silence Mode.
- FP Mode.
- Follow Me function.
- On/off timer.
- Self Clean.



R32
console
compact cassette 60x60
slim cassette 84x84
medium static pressure duct
floor/ceiling

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Vertical and horizontal louver swing.
- Sleep.
- Turbo.
- LED function.
- Follow Me function.
- On/off timer.
- Self Clean.
- Shortcut function.

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OPTIONAL INDIVIDUAL R32 CONTROLS



DTWS 4 IHXR Compact

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Clock and timer setting.
- Positioning of motorized louvers.
- Fan speed: low, medium, high or automatic.
- Reminder of filter cleaning.
- Wireless signal receiver.
- Key lock.
- Eco function.
- Follow Me function.

CONTROLS

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OPTIONAL R32 AND P SERIES CENTRALIZED CONTROLS



DTCWT IHXR

- Manages up to a 64 I.U.
- Weekly timer.
- Memory.
- Function lock.
- Operating and room temperature detection.
- Error detection.



**DTC IHXR
Touch**

- Touch screen wired remote control.
- LCD backlighting.
- Manages up to 64 I.U. individually or by creating groups of units.
- Enabling/disabling of the I.R. remote controls.
- Fan speed: low, medium, high or automatic.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- On/off timer.
- Positioning of motorized louvers.
- Key lock.

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INDIVIDUAL P SERIES CONTROLS



DHIR-5-6-XRV-K-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Horizontal louvre swing (only active for floor/ceiling I.U.).
- Vertical louver swing.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Eco function.



DHW-5-6-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Eco function.
- Filter cleaning indicator.

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P SERIES GROUP CONTROLS



DHWT-16-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Weekly timer.
- Eco function.
- Reminder of filter cleaning.
- Group control up to 16 I.U.

CONTROLS

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OPTIONAL P SERIES CENTRALIZED CONTROLS



DHC-8-64-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Weekly timer up to maximum 20 programs.
- Holiday mode.
- Eco function.
- Error detection.
- Manages up to 20 groups.
- Report export via USB.



DHC-48-364-XRV-P
Coming soon

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Weekly timer up to maximum 20 programs.
- Holiday mode.
- Eco function.
- Error detection.
- Manages up to a 48 groups and 384 I.U.
- Report export via USB.
- Consumption analysis.

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OPTIONAL ACCESSORIES



DTA-IHXR

- Power consumption detector.
- Digital ammeter up to 60 A for measuring the electrical consumptions of the XRV outdoor units.
- Accessory can only be integrated with centralizer DHC-48-384-XRV-P.



DTA100-XRV-K-P-I

- Power consumption detector.
- Digital ammeter up to 100 A for measuring the electrical consumptions of XRV outdoor units.
- Accessory can only be integrated with centralizer DHC-48-384-XRV-P.

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INTERFACES FOR BMS PROTOCOLS

DTMOD IHXR

Modbus

- Connects up to 64 indoor units and 4 outdoor units.
- Modbus communication protocol.

DHLON-XRV

Lonworks

- Connects up to 64 indoor units and 4 outdoor units.
- Lonworks communication protocol.

DBAC IHXR

Bacnet Gateway

- Connects up to 64 indoor units and 4 outdoor units.
- Bacnet communication protocol.

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OPTIONAL INDIVIDUAL CONTROL FOR "AUTO" FUNCTION Exclusive for 3-pipe systems



DTW Auto4 XRV

- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Clock and On/off timer.
- Silent mode.
- Reminder of filter cleaning.
- Operating and room temperature detection.
- Vertical louver swing.



DTIR Auto4 XRV

- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- On/off timer.
- Eco function.
- 26° C button.
- Follow Me function.
- Vertical and horizontal louver swing.

CONTROLS

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CENTRALIZED CONTROL XRV MOBILE BMS

Wi-Fi control unit for iPad or PC control of indoor units of a commercial system or an XRV system



Wi-Fi



Available for iOS devices from the Apple App Store.

All the functions of the Hokkaido 2.0 app:

- Switching on/off - identification of indoor units.
- Operating mode.
- Maximum and minimum temperature limits.
- Fan speed - motorized louver movement.
- Remote control enabling/disabling.
- Up to 59 weekly programs (with easy setting and activation/deactivation button, audible and visual alarm signalling, automatic alert via email to 3 set addresses, using the web connection).
- Password access.
- Manages up to 64 I.U. individually or by creating groups of units.
- Weekly operating timer settings.

To control your system freely and at any time of day

The new centralized XRV mobile BMS control has been designed to ensure the utmost ease of use of Hokkaido systems. XRV mobile BMS is equipped with a Wi-Fi module for configuration and local management via iPad or Windows PC. Once configured correctly, you can control your system even remotely, in a local network using a Wi-Fi router or via web by registering and connecting to **www.hokkaidobms.eu**.

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HOKKAIDO WIFI

HKM-WIFI and HKM-WIFI LCAC Wi-Fi controls



All your main air conditioning settings right from your smartphone.

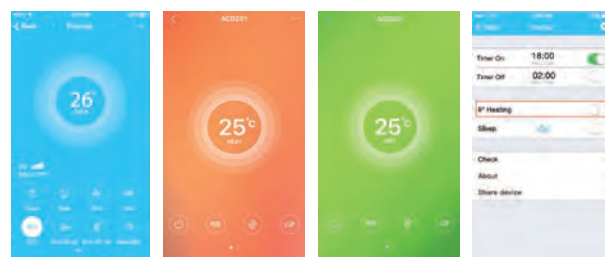
Hokkaido presents the new HKM-WIFI and HKM-WIFI LCAC modules for remote control access to your air conditioner via an app that can be downloaded to a smartphone.

Hokkaido provides two different Wi-Fi systems that can be controlled from the same app on the type of indoor unit chosen by the user:

- **HKM-WIFI:** for residential wall-mounted indoor units.
- **HKM-WIFI LCAC:** for commercial indoor units (cassette, ducted, floor/ceiling).

An intelligent app that controls comfort and energy savings that benefits your energy bill.

Some examples of screens from iOS devices



Home air conditioning control, even away from home.

The app is available for iOS and Android devices. You can download it for free from the Apple Store and the Play Store.

Main HOKKAIDO WiFi module functions

- Access security with account protected by credentials (UserID & PWD).
- Unique identification of each individual unit that you want to check.
- On and off control.
- Operating mode selection.
- Set temperature adjustment.
- Fan speed.
- Daily and weekly timer.
- 8° C heating activation (function that prevents the room temperature from falling below 8° C).
- Silent mode.

CONTROLS

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NEW PROGRAM FOR XRV SYSTEMS SIZING

NEW

Innovative graphic interface

- Setting the initial project conditions such as customer information, designer, unit type, operating conditions and all relevant parameters for selection.
- Indoor and outdoor unit selection: in automatic selection mode, the software suggests models that meet the design conditions.
- Branch selection.
- Choice of controls and electrical system configuration.
- Project saving and data report generation.
- Automatic indication of the unit connection path and wiring diagram for quick system installation.
- Machines list report extrapolation in Word, Excel or pdf format with technical data, piping diameter and length.
- Extrapolation in dwg format of the refrigerant and electrical diagram.



OPTIONAL CONTROL COMPATIBILITY

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INDOOR UNITS									
RAC wall			PAC Hybrid					XRV Systems	
Active	V-Design Plus	Inazami	HFIU	HSFI/HSFU	HUCI/HUCU	HTFU	HTBI	XRV-K	XRV-P

Wire control

DTWS4 IHXR Compact			*	*	*	*	*	*	
DHW-5-6-XRV-P									*
DHWT-16-XRV-P									*

Centralized control

DTC IHXR Touch			**	*	*	*	*	*	*
DTCWT IHXR			**	*	*	*	*	*	*
XRV Mobile BMS			**	*	*	*	*	*	*
DHC-8-64-XRV-P									*
DHC-48-384-XRV-P									*

WiFi Module

HKM-WiFi	*	*	*						
HKM-WiFi LCAC				*	*	*	*		

* Provide a NIM-GRH interface on each indoor unit

APPENDIX

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Detail of the control functions

- **Sleep:** improves comfort during night-time operation, through reductions (in heating) or gradual increases (in cooling) of the set temperature.
- **Turbo:** the unit runs at full speed to quickly reach the temperature in cooling or heating mode.
- **LED function:** brightness adjustment.
- **Silence mode:** diminishing of the compressor frequency with consequent reduction of noise emissions.
- **FP mode (in heating only):** prevents the room temperature from falling below 8° C.
- **Follow Me function:** adjusts the room temperature according to the temperature detected by the remote control for maximum comfort.
- **Eco function:** automatic room temperature setting in both heating and cooling mode.
- **Self Clean:** allows the evaporator to dry, to prevent the formation of mould and bacteria.
- **Direct function:** positioning of motorized louvers.
- **Shortcut function:** automatic reset of the last settings (mode, temperature, fan speed).
- **Memory:** in case of blackout, automatically restarts with the previous settings when the power is restored.
- **Reset:** reset to factory settings.
- **Holiday mode:** allows the air conditioning system to stay in stand-by mode for the desired period without deleting the previous operating settings.
- **Breeze Away:** avoids direct air flow in cooling, ventilation and dehumidification mode.
- **Gear Function:** lets you choose the percentage of electrical energy consumed (100%, 75%, 50%) in order to save energy.
- **Fresh Function:** ion generator activation or deactivation for room air purification.