

Super Gateway KNX

User Manual · V3.6

KNX



Matter

KNX building control meets Matter home connectivity.

JINKHOME Super Gateway KNX

www.jinkhome.com/us/

Get to know your gateway

Map configured KNX functions into compatible home platforms.

JINKHOME Super Gateway KNX connects home-control systems through the appropriate protocols and configuration. It maps device functions into compatible home platforms and configured scenes. It does not replace actuators, a KNX bus power supply or professional system commissioning.

Scope of this manual

For JINKHOME Super Gateway KNX. Available functions depend on device firmware, KNX group objects and home-platform support.

Reading order

Interfaces and indicators → Wiring and installation → Supported device types → First use → Reset and recovery → Specifications and after-sales service.

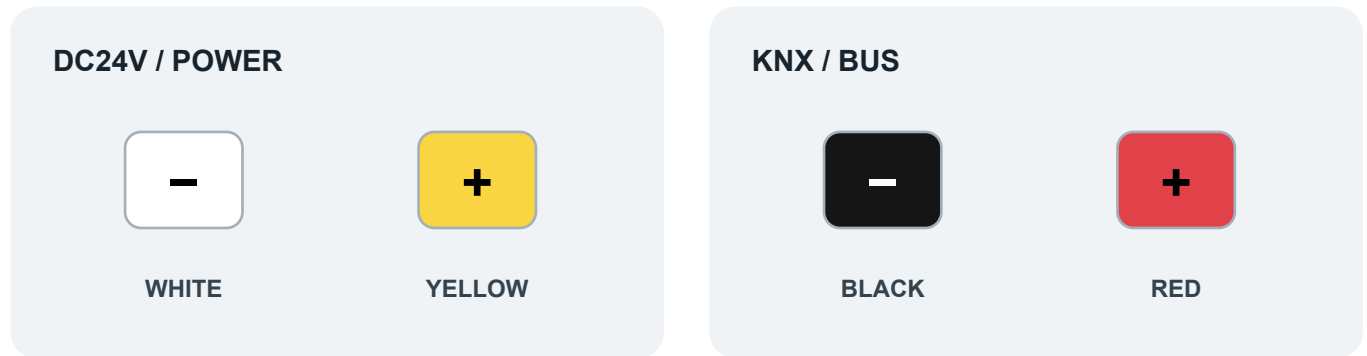
Interfaces and indicators

Check the labels before connecting. Keep power and KNX bus wiring separate.

Part	Meaning and use
POWER / PWR24V	Power indicator. Steady green means normal power supply.
SYSTEM / SYS/COM	System indicator. Steady green means startup completed normally.
STATUS / STA/AG	Reset-status indicator. Flashes during reset and turns off when complete. See Reset and configuration recovery for the flash rates.
RESET	Maintenance button. Holding for 5 seconds and 10 seconds performs different actions. Back up the configuration and read the instructions first.
KNX bus terminals	Red: positive (+). Black: negative (-).
DC24V power terminals	Yellow: positive (+). White: negative (-).
LAN1	System Ethernet port. Connect to a LAN port on a router or switch.
Socket-style power connector	Reserved. Do not treat a reserved connector as an available function.

Wiring and installation

Disconnect power first. Installation must be completed by a suitably qualified professional.



1. Mount the gateway

The enclosure fits a standard 35 mm DIN rail. Leave room for terminal access and heat dissipation. Plan the power, bus and network cable routes.

2. Connect power and the KNX bus

Confirm the DC24V / 0.5A supply requirement, then connect the power and KNX bus with the correct polarity. Never interchange the two terminal groups.

3. Connect the network

Connect LAN1 to a router or switch LAN port. The configuration computer and gateway must be able to communicate on the same local network.

The socket-style power connector is reserved. The enclosure may show a LAN2 marking; this version specifies one 100 Mbps Ethernet interface. Do not infer that an extra marking indicates an available port.

Device types · Lighting and power

26 mapping types across the system. Match each type to the actuator, firmware and platform.

Type	Supported functions
Switch	On, off and status feedback
Bulb	On, off and status feedback
Socket	On, off and status feedback
Dimming	On, off, dimming and status feedback
Tunable white	On, off, dimming, white-temperature adjustment, Adaptive Lighting and status feedback
RGBW	On, off, dimming, colour, Adaptive Lighting and status feedback
RGBCW	On, off, dimming, white-temperature adjustment, colour, Adaptive Lighting and status feedback

Adaptive Lighting requires support from the luminaire, gateway firmware and home platform. RGBW and RGBCW are different mapping types. Do not assume that RGBW also supports adjustable warm and cool white.

Device types · Shades, climate and air

Match each type to the actual mechanism and actuator.

Type	Supported functions
Curtain	Open, close, percentage position, direction reversal and status feedback
Roller blind	Open, close, percentage position, angle, inversion and status feedback
Air conditioner	Off, cooling, heating, temperature setting, fan speed, room-temperature sensing and status feedback
Thermostat	Off, cooling, heating, temperature setting, room-temperature sensing and status feedback
Underfloor heating	On (heating), off, temperature setting, room-temperature sensing and status feedback
Two-speed ventilation	On, off, high speed, low speed and status feedback
Three-speed ventilation	On, off, high, medium and low speeds, with status feedback
Air purifier	On, off and speed-level adjustment

Blind-angle control requires a suitable tilting mechanism and actuator. Air conditioning, thermostat and underfloor-heating functions differ. Match two-speed and three-speed ventilation separately.

Device types · Sensors and safety

Readings and alarms depend on the installed devices and configuration.

Type	Supported functions
Air-quality sensor	PM2.5, PM10, carbon dioxide and TVOC concentration
Occupancy sensor	Occupied / unoccupied state
Contact sensor	Contact detection
Temperature and humidity sensor	Temperature and humidity readings
Light sensor	Light-level readings
Water-leak sensor	Water-leak detection
Smoke alarm	Smoke alarm
Carbon monoxide alarm	Carbon monoxide concentration and alarm

Gateway and platform displays do not replace independent safety protection. Follow the dedicated alarm-device instructions when responding to a safety event.

Device types · Scenes and locks

Set up the relationship between physical controls, configured scenes and devices.

Type	Supported functions
Programmable button	Configure physical-panel actions through scenes and scene numbers
Scene	Virtual switch, automatic reset, and references between KNX-panel scenes and app scenes
Door lock	Locking and unlocking

Scene triggers and automatic reset

A scene type can act as a virtual switch. Use correctly configured scene numbers to establish references between KNX-panel scenes and app scenes.

Programmable buttons

Set up physical-panel actions through scenes and scene numbers. The actual button action and target device are determined by the project configuration.

Door locks

Map locking and unlocking. Check permissions, platform controls and security requirements for the actual system.

First use

Complete the basic connections before configuration and platform pairing.

1. Connect and start

Connect the power, KNX bus and Ethernet cables. Switch on and wait until the SYSTEM indicator is steady green to confirm normal startup.

2. Configure the gateway

Follow the JINKHOME gateway configuration guide to set device types, names, control group addresses and feedback group addresses. Apply changes and verify each actuator and its status feedback.

3. Add to Apple Home

Prepare a compatible home hub and network. Open the Apple Home app and follow its instructions to add the gateway and child devices. For other platforms, follow their support requirements.

4. Verify and back up

Check room assignments, device names, control actions and feedback. Save the project configuration. Keep a recoverable backup before later changes, updates or maintenance.

Verify the KNX project first, then complete each gateway mapping. Successful platform pairing alone does not mean every function has been configured. Details: www.jinkhome.com/us/products/jink-knx-hub.html

Reset and configuration recovery

Two hold durations. Two different operations.

Back up before proceeding

RESET is a maintenance operation that can affect platform binding or the current configuration. Understand the consequences first. Do not repeatedly test it on a normally operating system.

Hold for 5 seconds

The STATUS indicator flashes once per second and the system enters reset. After completion, add the gateway and child devices again in the app. This reset does not delete user data.

Hold for 10 seconds

The STATUS indicator flashes 0.5 times per second and the system starts restoring the most recent configuration state. This is not an operation that clears all user configuration.

Wait after an unintended operation

If the button did not reach the required state, do not immediately repeat the operation. Wait more than 30 seconds, then follow the appropriate procedure. The status light turns off when reset is complete. Check device control and platform binding afterwards.

Specifications and package contents

Use the power, terminal and mounting requirements for this model.

Item	Specification
Power	DC24V / 0.5A
CPU / clock	Dual-core Cortex-A53 / 1.8 GHz
Memory / storage	1 GB DDR3 / 8 GB eMMC
Network	100 Mbps Ethernet × 1
KNX bus interface	1
DC24V power interface	1
TCP interfaces	N channels; not currently available
Child devices	Up to 249
Dimensions / mounting	90 × 72 × 63 mm (L × W × H); standard 35 mm DIN rail

In the box

Super Gateway × 1; product manual × 1 (electronic); gateway configuration guide (electronic); quality certificate × 1.

After-sales service and precautions

Keep proof of purchase, the product serial number and your project configuration.

Three-year replacement service

From the day after receipt, products installed and used normally according to this manual qualify for three-year replacement service for product-quality defects. Contact the original seller or JINKHOME with purchase details and a description of the fault.

Returns and exchanges for quality defects

Return within 7 days or exchange within 15 days for product-quality defects. The three-year replacement service does not affect other statutory rights. Contact the seller about maintenance outside the service scope.

Conditions outside product-quality coverage

1. Faults or damage caused by installation, use, maintenance or storage contrary to the instructions.
2. Altered or removed product barcodes, or a warranty-record serial number or model that does not match the product.
3. Expired service periods or unauthorised disassembly and repairs.
4. Accidental or human-caused damage, including unsuitable input voltage, high temperature, water ingress, mechanical damage, dropping or severe oxidation and rust.
5. Damage during return transport, loading or unloading.
6. Earthquakes, floods, lightning or other force-majeure events.
7. Other issues not attributable to product design, technology, manufacture or quality.

Service record

For after-sales assistance, contact the original seller or JINKHOME.

Information	Your record
Name	
Telephone	
Address	
Purchase date	
Product model	
Product serial number	
Dealer name	
Dealer contact details	

Proof of purchase / invoice / receipt

Keep these with this manual. Electronic proof may be stored separately; it does not need to be attached to the product.

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