

Super Gateway KNX

Configuration Guide · V3.0

KNX



Matter

Matter for KNX · English edition

Commissioning, device mapping, pairing, backup and maintenance.

JINKHOME · www.jinkhome.com/us/

Find the gateway and open its console

Use a computer that can communicate with the gateway on the local network.

Method 1 · Router device list

Open your router's configuration page and locate the device with hostname PandoraX. Note its IP address.

Method 2 · Network discovery

Use Advanced IP Scanner or another suitable network-discovery tool. Locate hostname PandoraX and note its IP address.

Method 3 · Set a custom IP

First find the default address through the router. In Port Management, open Configure IP, enter the required settings and confirm. The new IP takes effect after approximately 1 minute.

Open the configuration page

Enter the gateway address followed by port 3000 in the browser address bar: xxx.xxx.x.xxx:3000. Replace the example address with the actual gateway IP.

PandoraX is the hostname used to identify the device on the network. Examples in this guide are references for configuration; use the addresses and values validated for your own KNX project.

Ports and device management

Apply changes after editing. Check both control and feedback.

Port Management

Select Add and enter the required port parameters. Example settings are provided at delivery. The KNX port is fixed and does not need to be changed.

Enable, disable and apply

Ports have enable and disable options. Select the appropriate state. After adding or editing a port, select Apply Configuration for the change to take effect.

Remote debugging

Enable debugging only when remote assistance is required. Turn debugging off when assistance is complete.

Device Management

Select Add, choose the KNX device type and enter its group addresses. Confirm the entry, then select Apply Configuration.

Remove example devices

Use the examples as a reference for other KNX types. After completing your configuration, delete unused example devices and apply the configuration. Otherwise, those examples will also be added to the app.

Pairing, backup and spreadsheet import

Complete the gateway configuration before adding it to the home platform.

Add the gateway and child devices to Apple Home

Select Re-pair in the gateway console. Wait approximately 1 minute for a new pairing code. For a large installation, such as 200 child devices, wait about 2 minutes before refreshing the page. Open Apple Home and scan the current code to add the gateway.

Export Configuration

After completing the configuration, select Export Configuration. Save the file so it can be used when replacing the gateway.

Excel import · Beta

The gateway supports importing KNX configuration data from the matching Excel template. Obtain the corresponding template with the configuration materials. This feature imports spreadsheet data; it is not an ETS-project import.

Device types supported by the beta import

Switch / on-off, bulb, scene, dimming, tunable white, curtain, Zhonghong air conditioning and occupancy sensor. Other types have more parameters and are not included in this beta spreadsheet-import method.

System updates and pairing notes

Keep a configuration backup before maintenance.

Online Update

The update page automatically checks for available system-code updates. If an update is available, select Update.

Manual Update

For a user-configuration update, select Manual Update, choose the appropriate update package and select Start Update. Wait for the progress bar to complete. After the system update finishes, power-cycle the gateway.

Replacing a gateway

Use Manual Update to load the exported configuration data into the replacement gateway, following the matching-version instructions.

Re-pair does not delete user data

Re-pair refreshes the pairing code. Do not use it again after normal commissioning unless re-pairing is intended; the app will need to scan and add the gateway again.

Apple Home hub and device changes

Add a compatible home hub to Apple Home first. Add or delete individual child devices in the gateway's web console. Synchronisation to the app typically takes 2–3 minutes because the home hub requires processing time.

Device types in this configuration guide

V3.0 examples; see the V3.6 user manual for the expanded list of 26 mapping types.

Type	Functions
Switch / on-off	On, off and feedback
Bulb	On, off and feedback
Dimming	On, off, dimming and feedback
Tunable white	On, off, dimming, colour temperature, Adaptive Lighting and feedback
Scene	Virtual switch, automatic reset and references between KNX-panel and app scenes
Curtain	Open, close, percentage position, direction reversal and feedback
Air conditioner	Off, cooling, heating, temperature, fan speed, room temperature and feedback
Thermostat	Off, cooling, heating, temperature, room temperature and feedback
Underfloor heating	On (heating), off, temperature, room temperature and feedback
Two-speed ventilation	On, off, high, low and feedback
Three-speed ventilation	On, off, high, medium, low and feedback
Occupancy sensor	Occupied / unoccupied state

Examples · Switch, bulb and dimming

Sample values transcribed from the configuration examples.

Field	Switch / bulb	Dimming
Device name	Main bedroom downlight	Dimmable light
Device type	KNX switch	KNX dimming
Port	KNX port	KNX port
On/off address	13/1/0	19/0/1
On/off status address	14/1/0	20/0/1
Dimming address	—	19/1/1
Dimming status address	—	20/1/1

These addresses are examples. Replace them with the project's actual group addresses. A control address and a status address have different roles; verify both after applying the configuration.

Examples · Tunable white and scenes

Configure every required field available in the installed firmware.

Field	Tunable white	Scene
Device name	Light strip	All on
Device type	KNX tunable white	KNX scene
Port	KNX port	KNX port
On/off address	19/0/0	—
On/off status address	20/0/0	—
Dimming address	19/1/0	—
Dimming status address	20/1/0	—
Scene number	—	6
Scene address	—	21/0/0

The V3.0 tunable-white illustration shows only the visible portion of a scrolling form. Check and complete the remaining colour-temperature fields in the actual console; the displayed subset is not a complete configuration.

Examples · Curtains and Zhonghong AC

Use the matching device type; its field structure matters.

Field	Curtain	Zhonghong AC
Device name	Curtain	Air conditioner
Device type	KNX curtain	KNX Zhonghong air conditioning
Port	KNX port	KNX port
Open/close address	15/0/0	—
Stop address	15/2/0	—
Percentage address	15/1/0	—
Percentage status address	16/1/0	—
channelId	—	3
Control address	—	12
Status address	—	11

The Zhonghong example uses its own channelId and control/status field format. Do not substitute the generic AC group-address layout without confirming the installed integration.

Example · Generic air conditioning

Sample values for the KNX generic AC device type.

Field	Example value
Device name / type / port	Air conditioner / KNX generic AC / KNX port
On/off address / status	12/0/3 / 11/0/3
Mode address / status	12/1/3 / 11/1/3
Heating mode value	8
Cooling mode value	1
Fan-speed address / status	12/2/3 / 11/2/3
High / medium / low speed values	1 / 2 / 4
Temperature address / status	12/3/3 / 11/3/3
Current-temperature address	11/4/3

Verify mode and speed values against the actual actuator configuration. Example values are not universal commands for every KNX air-conditioning interface.

Examples · Thermostat and floor heating

The thermostat example follows generic AC without fan-speed control.

Underfloor-heating field	Example value
Device name	Underfloor heating
Device type / port	KNX underfloor heating / KNX port
On/off address	12/0/3
On/off status address	11/0/3
Temperature address	12/3/3
Temperature status address	11/3/3
Current-temperature address	11/4/3

Thermostat

Use the generic air-conditioning example for the remaining fields. Fan-speed controls are omitted for the thermostat type.

Underfloor heating, thermostat control and air conditioning are distinct device types. Use the type and functions supported by the installed system.

Examples · Ventilation and occupancy

Match the number of fan speeds and use the correct feedback address.

Field	Two-speed	Three-speed
Device name	Ventilation	Ventilation
Device type	KNX two-speed ventilation	KNX three-speed ventilation
Port	KNX port	KNX port
On/off address	12/0/3	12/0/3
On/off status address	11/0/3	11/0/3
Fan-speed address	12/2/3	12/2/3
Fan-speed status address	11/2/3	11/2/3
High / medium / low values	1 / — / 4	1 / 2 / 4

Occupancy sensor example

Device name: Occupancy sensor. Device type: KNX sensor. Port: KNX port. Sensor-status address: 22/0/0.

Apply the configuration, verify the actual device response and feedback, then save a backup. For model-specific assistance: www.jinkhome.com/us/support.html