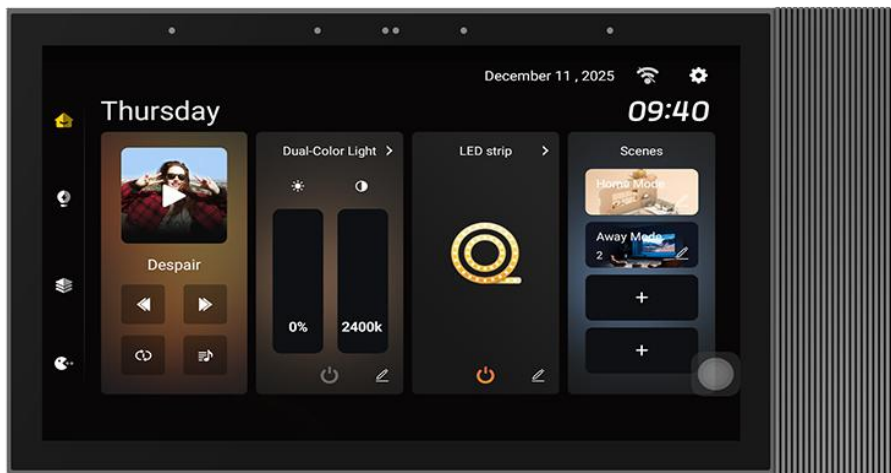
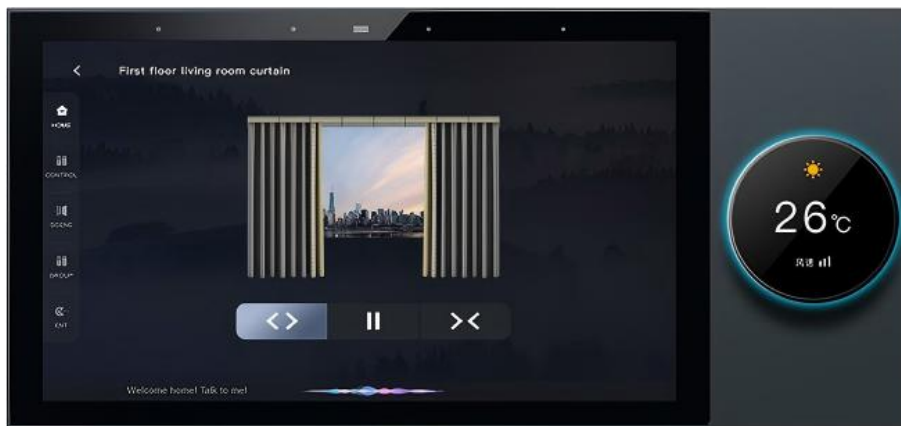




User Manual

KNX 7-inch touch panel

Standard 86 backbox (BS)



KNX/EIB Home and Building Control System

Attentions

- 1. Please keep the device away from strong magnets, heat, and moisture.**
- 2. Do not drop the device or hit it hard.**
- 3. Do not clean the device with a wet cloth or strong chemicals**
- 4. Do not disassemble the devices.**

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1. Overview

The KNX series central control screen, hereinafter referred to as the central control screen, is mainly used in building control systems. It is connected to the bus via EIB terminals to control other devices on the bus.

This central control screen can control 256 lighting channels (including switches, dimming lights, color temperature adjustable lights, dual color temperature lights, and RGB lights), 32 curtain channels (including opening and closing curtains and Venetian blinds), 32 HAVC channels (including air conditioning, underfloor heating, and fresh air), 128 scene channels, can connect to 2 external speakers, and support music playback control and synchronized music playback, etc.

Physical address allocation and parameter configuration can be done through ETS software (version ETS5 or above).

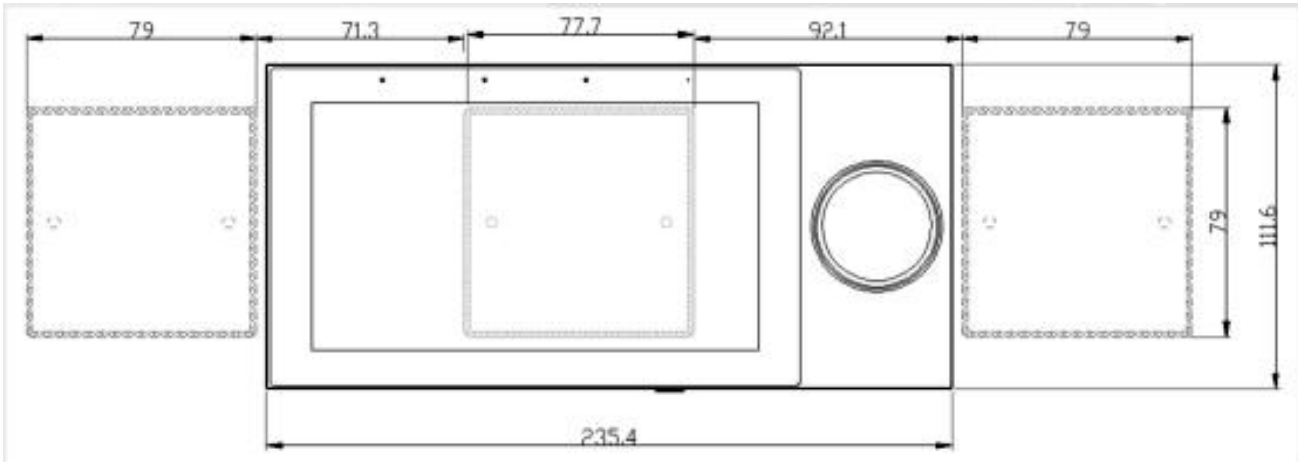
To ensure the system works properly, please check the wiring for any problems before use. This manual provides detailed technical information about the product, as well as installation, debugging, database usage, and programming details .

2. Technical parameters

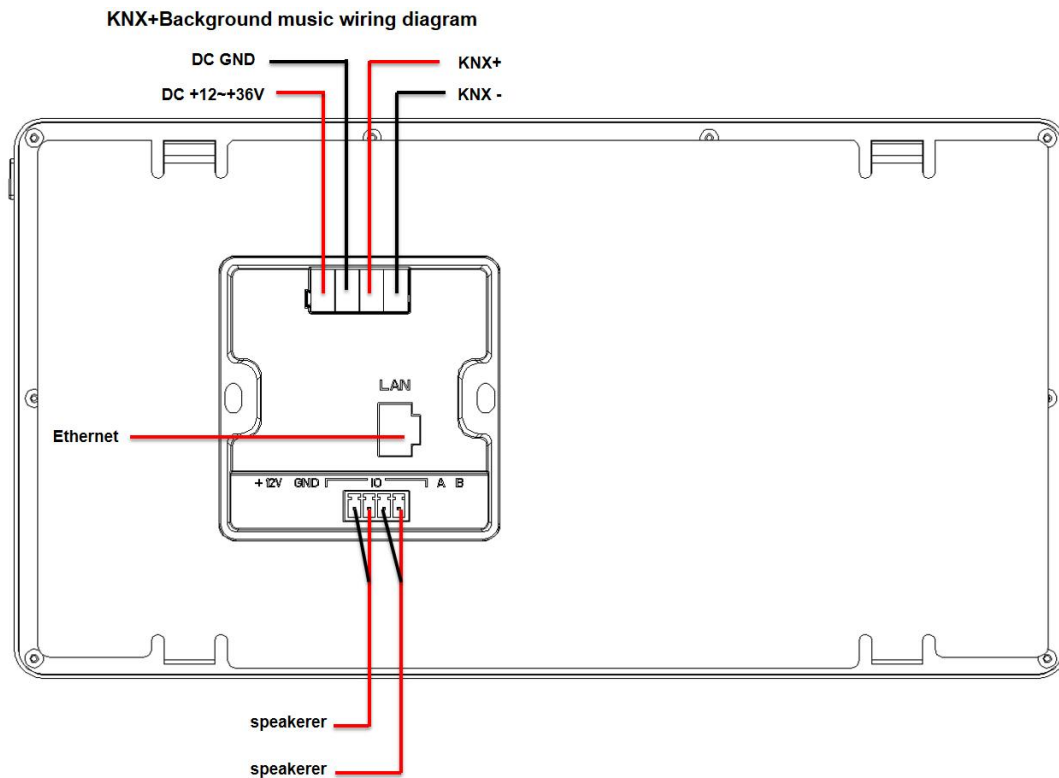
7inch KNX touch panel

System	Android 11
CPU	Quad-core, Cortex 1.5GHz
RAM + ROM	2GB + 8GB
Screen	7inch 1024*600, IPS, multi-touch
Rotary Knob	1.28-inch knob color screen
Microphone	Four-microphone line array
Built-in speaker	1x2W
Bluetooth	5.0
WiFi	802.11b/g/n wireless protocol 150Mbps 2.4GHz
Ethernet	RJ45, OM/100M adaptive Ethernet
Interface	USB-C, Support,MAX32G
	TF, Support,MAX 32G
	Audio Input/Audio Output
External Speaker output	2*(10-25W) (MAX)
Power Supply	KNX Bus voltage: 24V
	Auxiliary Supply: DC 12V~36V
Working temperature	0°C ~40 °C
Working humidity	≤90% RH
Storage temperature	-20°C ~60 °C
Net weight	0.516kg
Dimensions	235*111.6*11.5mm, without back box
Installation	Standard 86 back box (BS), (EU 60 back box for optional)

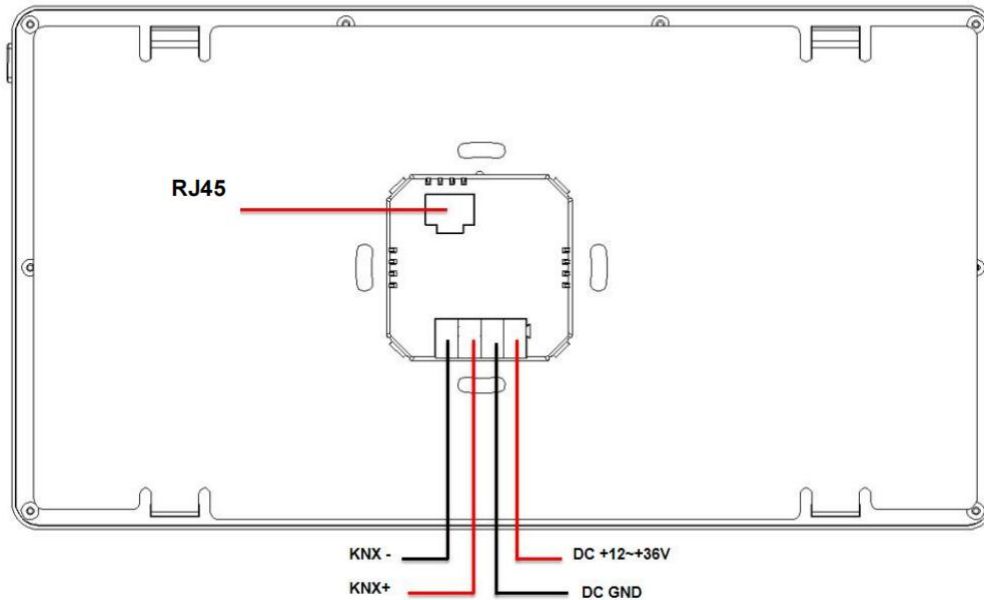
3. Dimensions



4. Wiring diagram



7inch 8inch 10inch 12inch KNX touch panel: EU back box

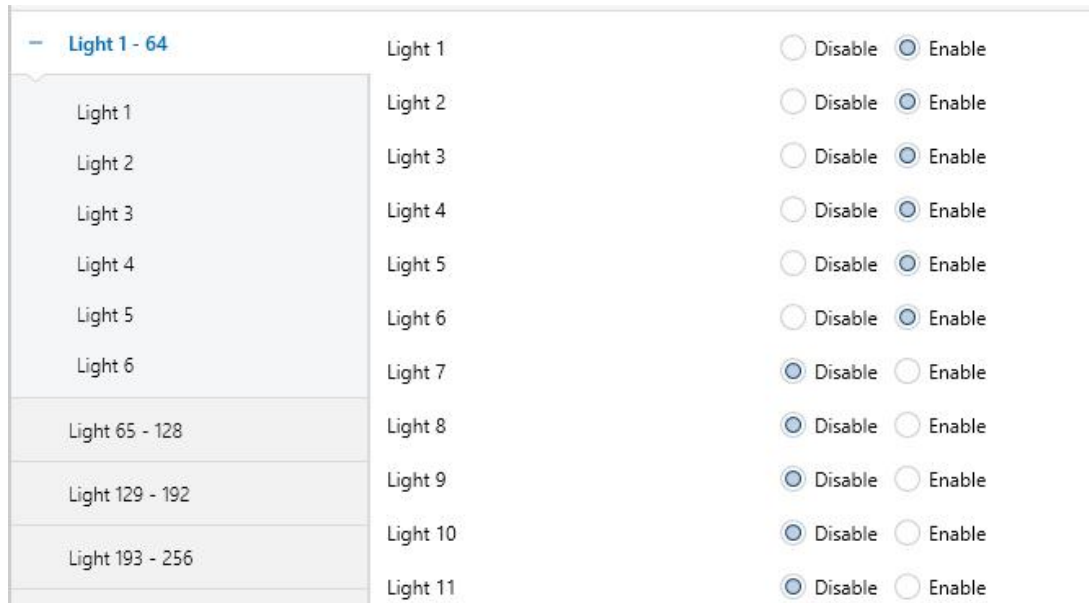


5. ETS Parameter Description

5.1 Lighting

It supports a total of 256 lighting channels (including switches, dimmer lights, color temperature adjustable lights, dual color temperature lights, and RGB lights).

" Light " parameter interface allows you to set how many lights to activate.



“ **Device Type** ” parameter can be used to set the type of light.

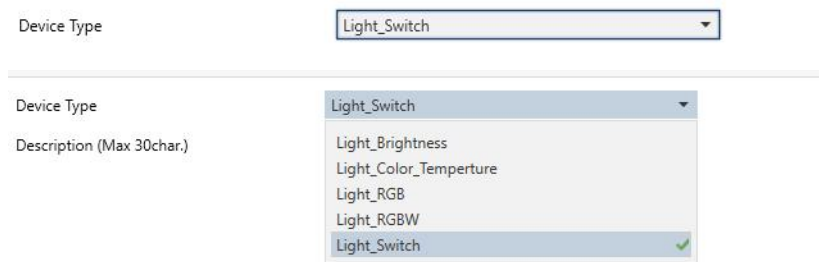
Light_Brightness: Adjusts the brightness of the light.

Light_Color_Temperture: Adjusts brightness and color temperature of the light.

Light_RGB: RGB color adjustment light

Light_RGBW:RGBW color-changing light

Light_Switch: Normal switch



" **Description** " parameter can be used to set the name of the light.



5.2 Curtains

It supports a total of 32 types of blinds (including sliding blinds and Venetian blinds).

“ **Shade** ” parameter interface allows you to set how many curtains to enable.



" **Description** " parameter can be used to set the name of the curtain.



" **Device Type** " parameter indicates the type of curtain.

Shade_Curtain: Opening and closing curtains

Shade_Shutter: Venetian blinds



5.3 HVAC

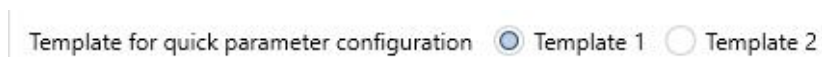
" **HAVC** " parameter interface allows you to set how many air conditioning units to activate.



" **Description** " parameter can be used to set the name of the air conditioner.



" **Template for quick parameter configuration** " parameter allows you to set the template parameter type.



" **Device Type** " parameter can be used to set the air conditioner type.

"HVAC _ Air _ Condition" : Air Conditioning

"HVAC _ Floor _ Heater" : Underfloor heating

"HVAC_Air_Purifier " : Fresh Air System



Device Type

HVAC_Air_Condition

HVAC_Air_Condition

HVAC_Floor_Heater

HVAC_Air_Purifier

" **Type of air condition** " parameter allows you to set whether the air conditioning type is FCU or VRF.

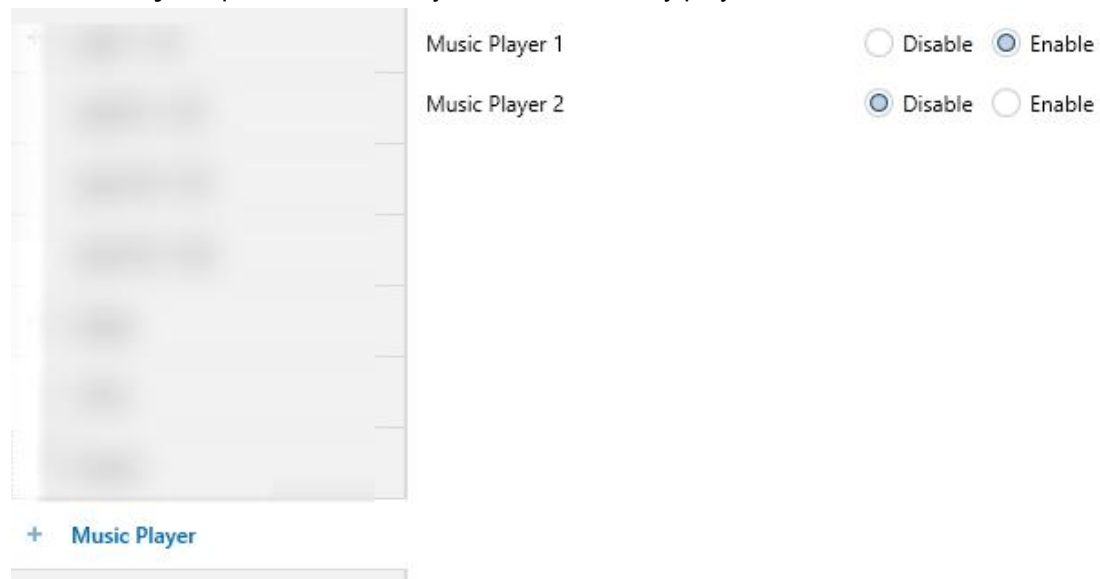


Type of air condition

FCU VRF

5.4 Player

" **Music Player** " parameter allows you to set how many players to enable.



Music Player 1 Disable Enable

Music Player 2 Disable Enable

+ Music Player

" **Player Details** " screen allows you to set up linked music playback or notification messages.

" **Invalid** " : Not enabled

" **Play Prompt** "

" **Play Music** " : Play background music

" **Play Prompt & Music** " : Plays a prompt and background music.

“ **Play Local Music** ” : Play local music

Description (Max 30char.)	<input type="text"/>
Scene 1	Play Prompt
Scene 2	Invalid
Scene 3	Play Prompt <input checked="" type="checkbox"/>
Scene 4	Play Music
Scene 5	Play Prompt & Music
	Play Local Music

5.5 Scenario

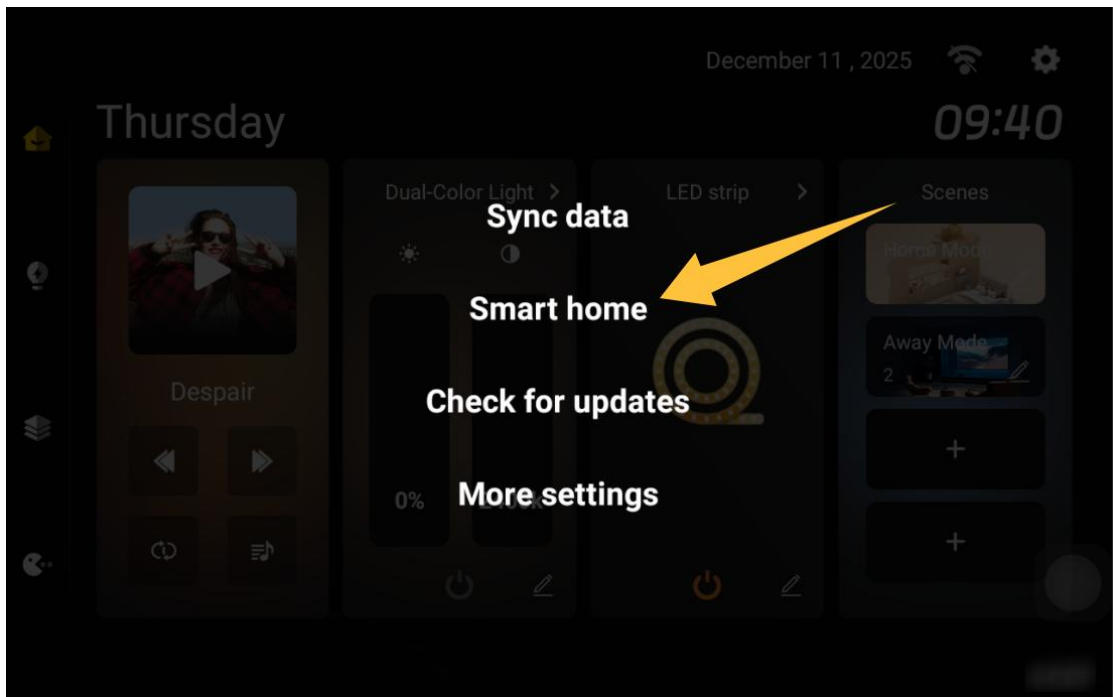
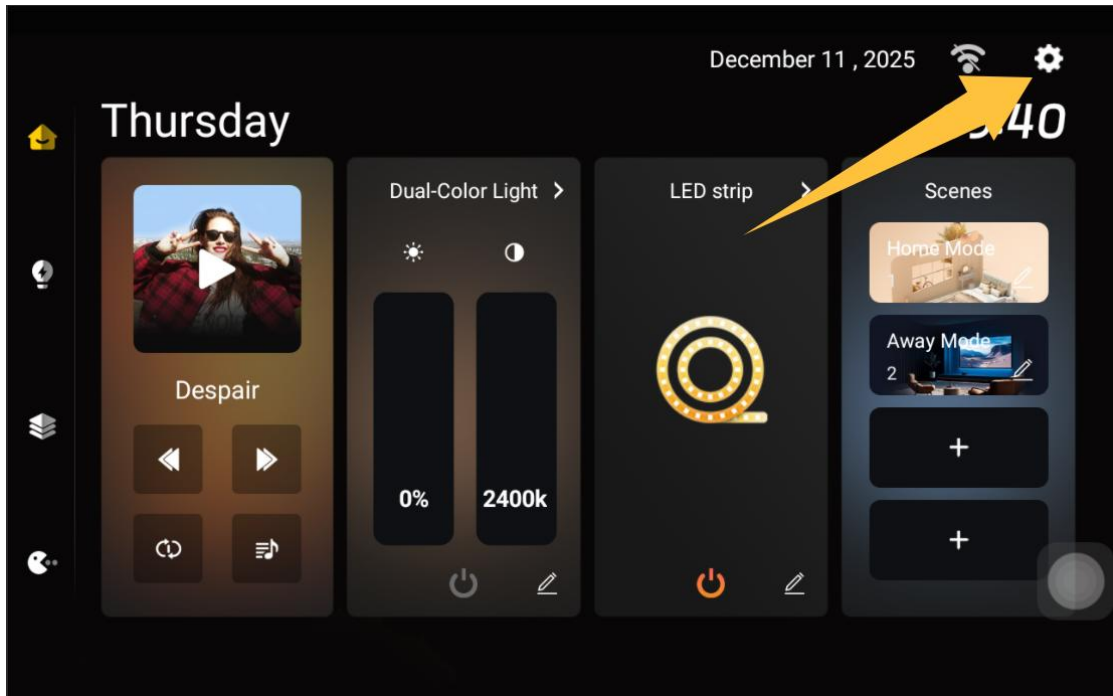
" Scene " parameter interface allows you to set the scene name and the number of scenes to enable.

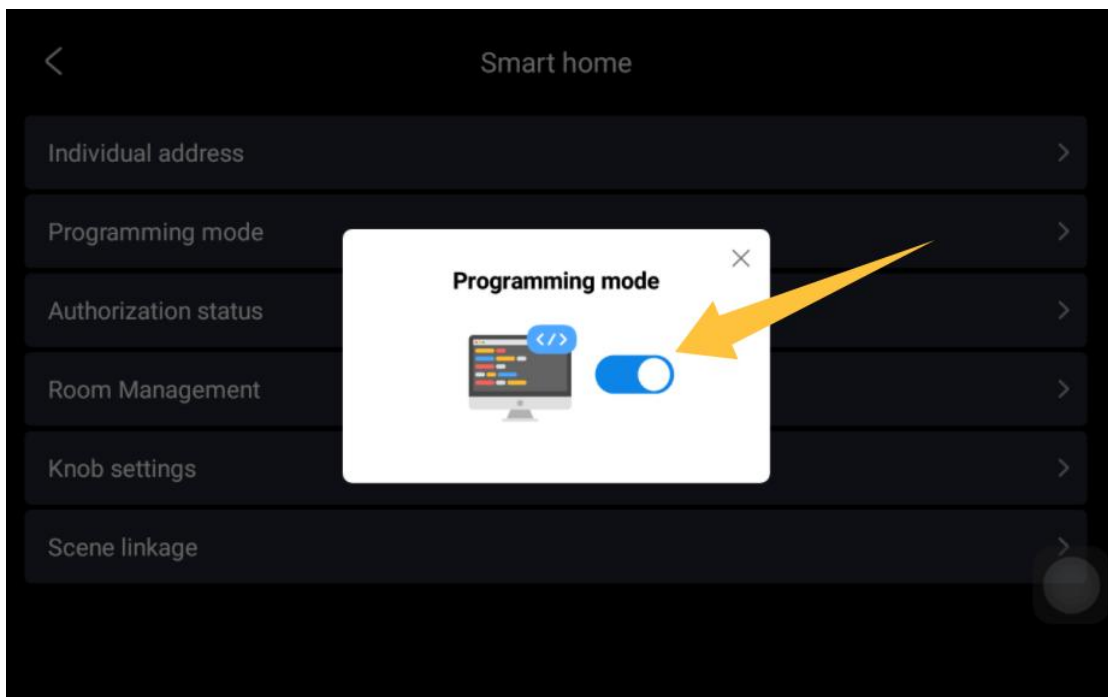
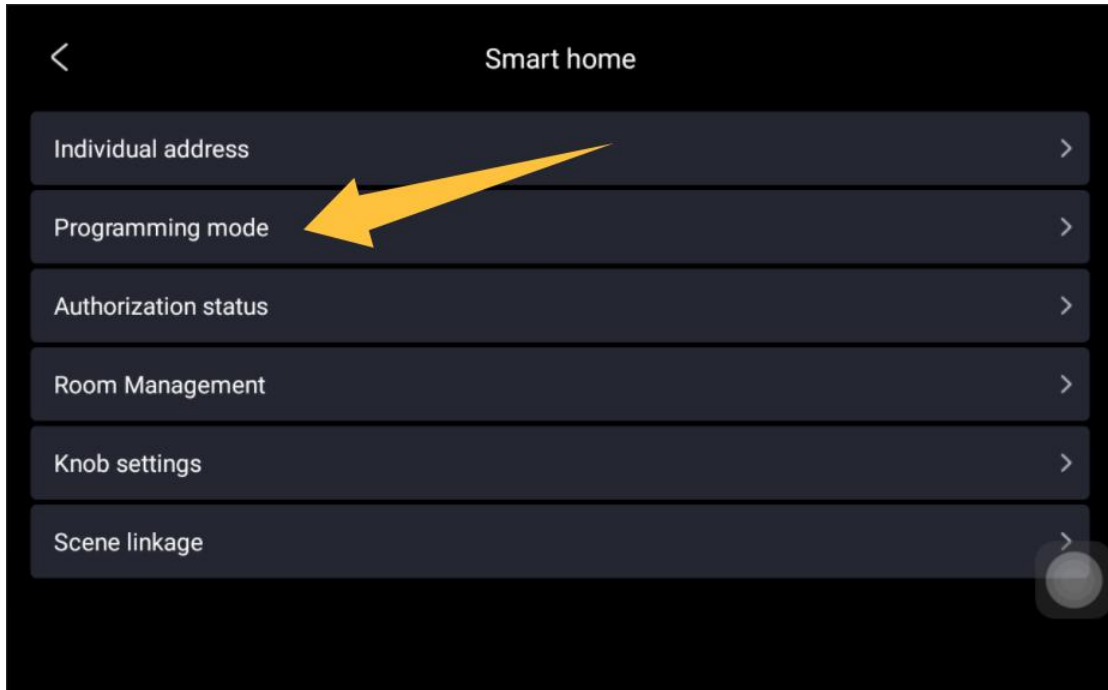
Scene Tab 1	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Description (Max 30char.)	<input type="text" value="Home Mode"/>
Scene Tab 2	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Description (Max 30char.)	<input type="text" value="Away Mode"/>
Scene Tab 3	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 4	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 5	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 6	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 7	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 8	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 9	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Scene Tab 10	<input checked="" type="radio"/> Disable <input type="radio"/> Enable

6. Programming Mode and Data Download

6.1 Enable programming mode

To download complete data via ETS, you need to first enable the programming mode on the central control screen. The method to enable it is as follows:

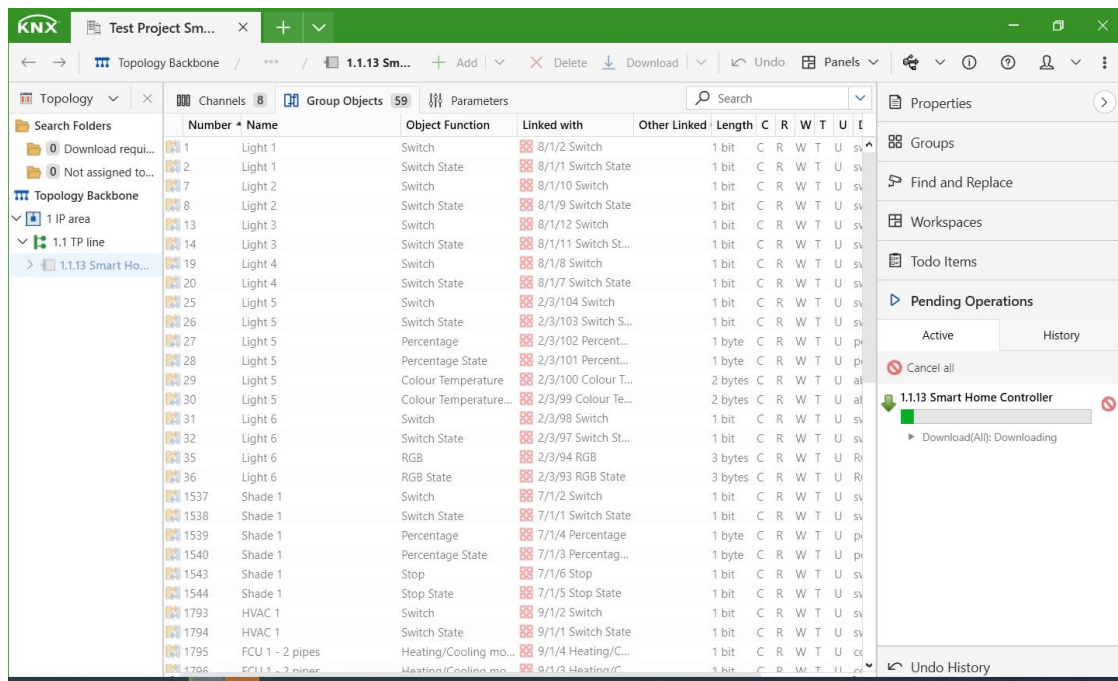
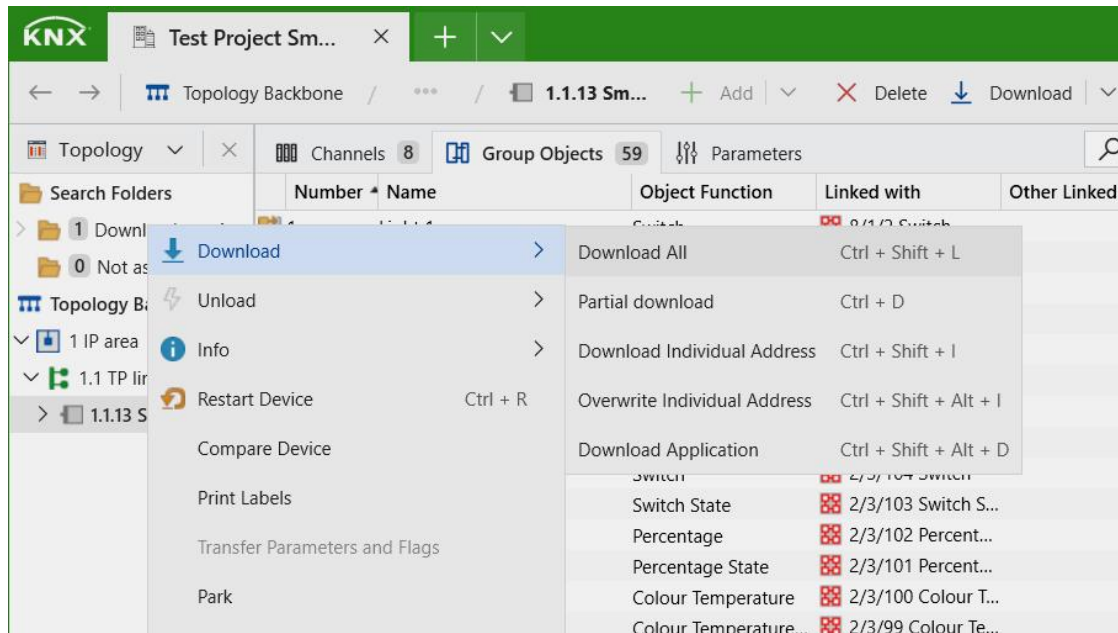




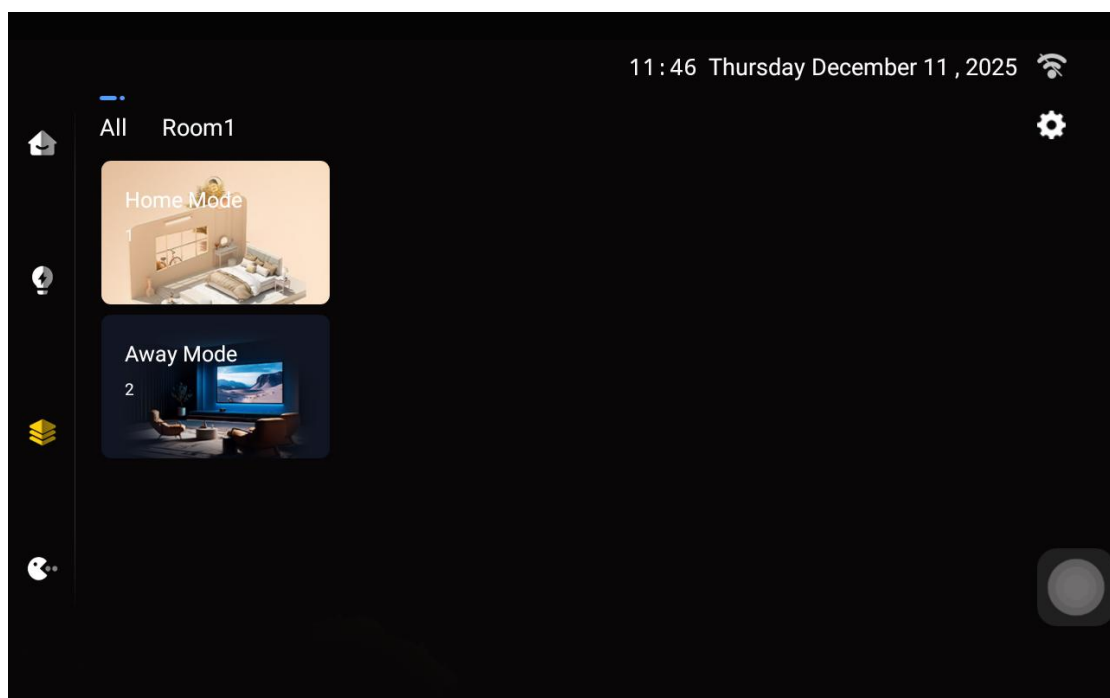
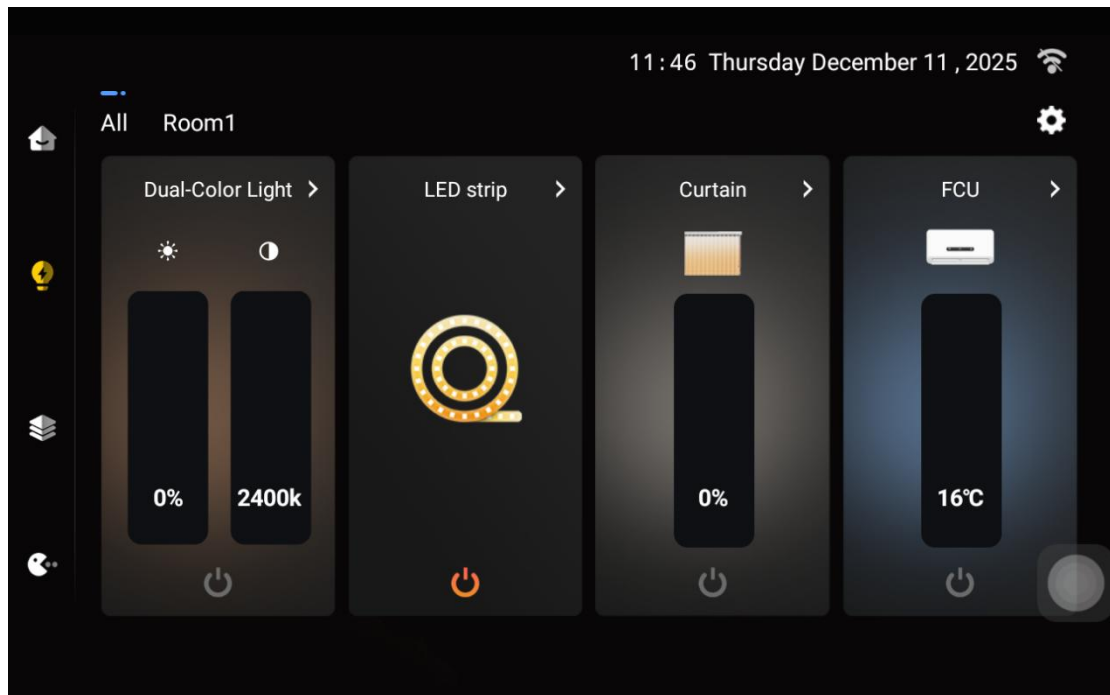
Note: Remember to turn off programming mode after the data download is complete.

6.2 ETS Download Data

To select "Download All" to download data, you must enable the programming mode on the central control screen. Refer to section 6.1 for instructions on how to enable it.



Once the download is complete, the central control screen will refresh and display the downloaded data, which can be viewed in the device and scene interfaces.



7. Installation instructions

- 1、 Embedded in the provided bottom box, bottom box installation size: standard 86 box deepened;
- 2、 The wire used in this product: multi-strand copper core wire, coaxial line, audio wire, audio wire

- 3、 Please consult the supplier when installing this machine;
- 4、 Do not repair the machine without authorization, if you need to repair, please consult the supplier, by professional maintenance;

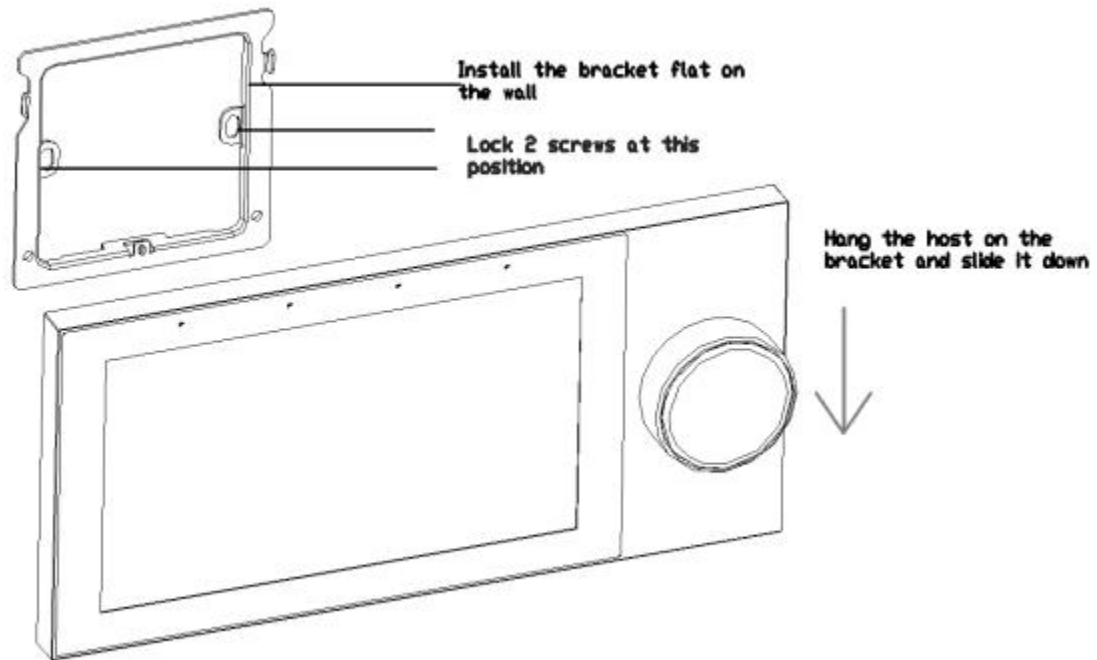
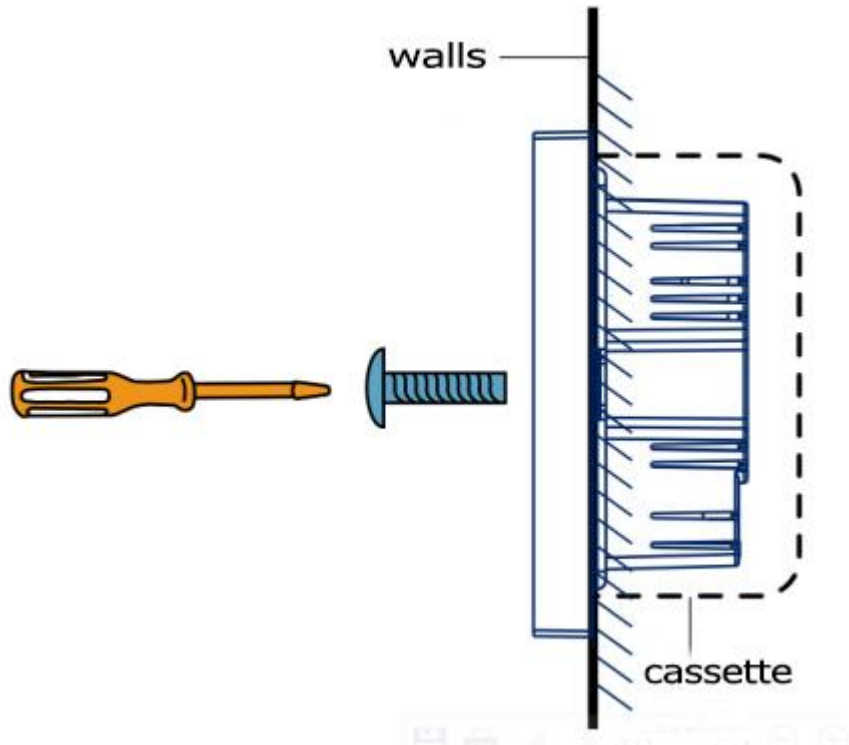


Figure 1: ① main engine ② power supply box

Assembly Installation steps:

1. Fix part 1 on the double 86 bottom shell
2. Align part 2 with the bottom shell support and press it
3. Opening size of cable box



Suitable for JB/T 8593 standard plastic cartridges, cartridges depth $\geq 50\text{mm}$.

