

User Manual

KNX 10-inch touch panel



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), and 128 scene channels, etc.

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

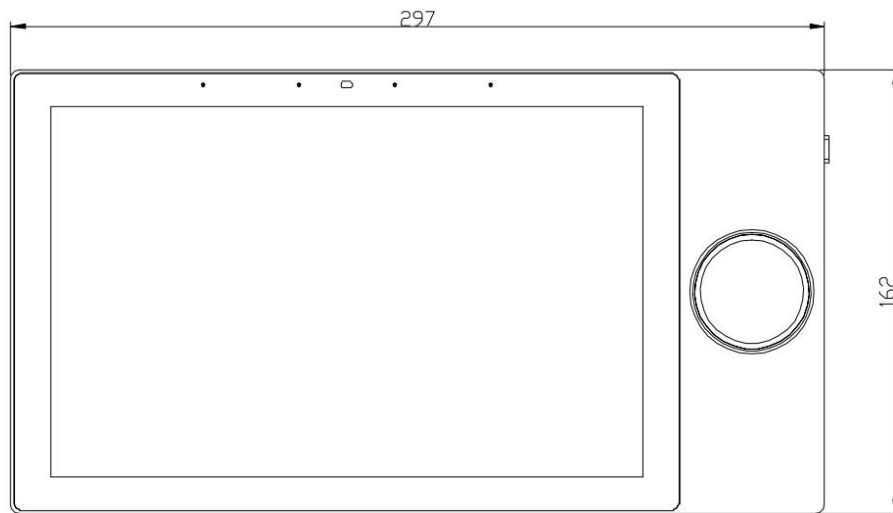
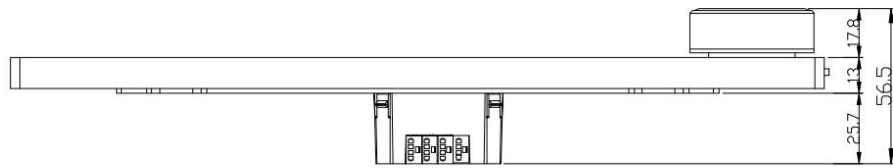
To ensure the system works properly, please check the wiring for any problems before use. This manual provides detailed technical information about the product, as well as installation, debugging, database usage, and programming details .

2. Technical parameters

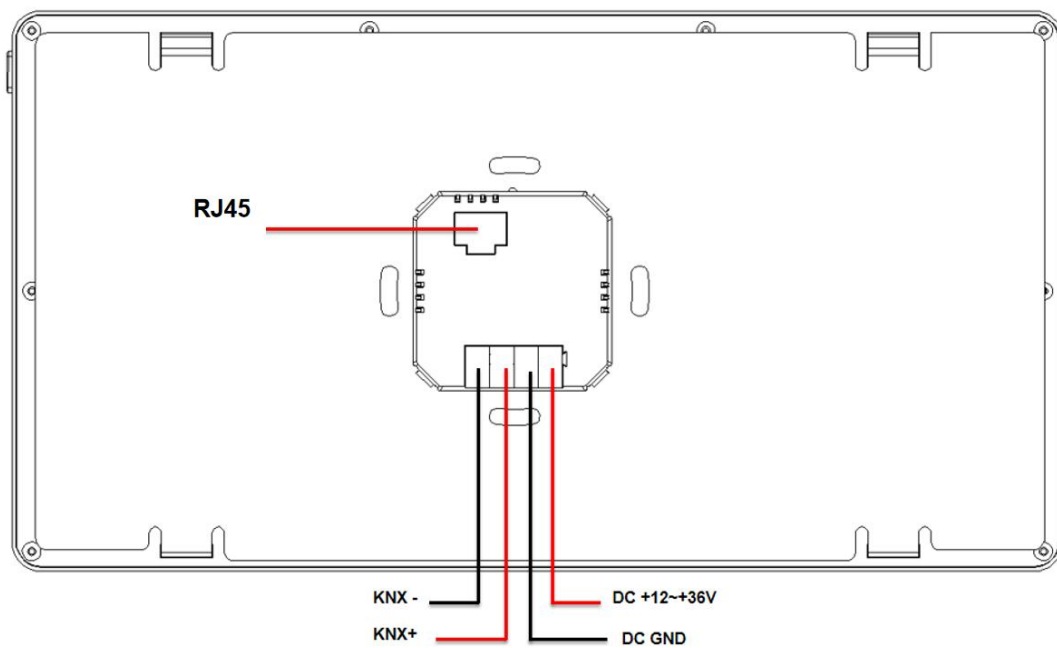
10-inch KNX touch panel

OS	Android 8.1
CPU	Quad-core, Cortex 1.5GHz
RAM + ROM	2GB + 8GB
Screen	10-inch 1280*800IPS, 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, 0M/100M adaptive Ethernet
Interface	USB-C: Support,MAX 32G
	TF: Support,MAX32G
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 (g)	
Dimensions	297 * 162 *11.5mm, without back box
Installation	Standard EU back box

3. Dimensions



4. Wiring diagram



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.

Description (Max 30char.)

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.

Shade

Shade 6	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Shade 7	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable

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

Description (Max 30char.)

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

Shade_Curtain: Opening and closing curtains

Shade_Shutter: Venetian blinds

Device Type Shade_Curtain Shade_Shutter

5.3 HVAC

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

HVAC

HVAC 8	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
HVAC 9	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
HVAC 10	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable

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

Description (Max 30char.)

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

Template for quick parameter configuration Template 1 Template 2

" **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



The image shows a user interface for selecting a device type. On the left, the text "Device Type" is visible. To its right is a dropdown menu. The menu is currently open, showing four options: "HVAC_Air_Condition", "HVAC_Air_Condition", "HVAC_Floor_Heater", and "HVAC_Air_Purifier". The first two options are highlighted in blue, and the second one has a green checkmark to its right, indicating it is the selected option.

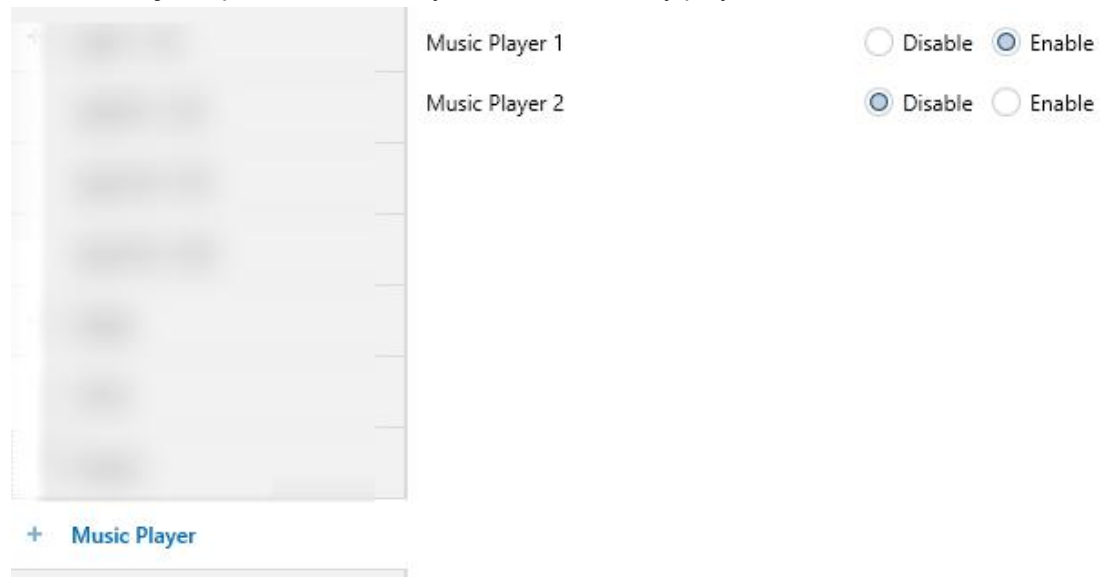
" **Type of air condition** " parameter allows you to set whether the air conditioning type is FCU or VRF.



The image shows a user interface for selecting the type of air condition. The text "Type of air condition" is on the left. To its right are two radio buttons. The first is labeled "FCU" and is unselected. The second is labeled "VRF" and is selected, indicated by a blue dot in the center of the button.

5.4 Player

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



The image shows a user interface for configuring music players. On the left is a vertical list of two items, "Music Player 1" and "Music Player 2", which are currently blurred. To the right of each item are two radio buttons. For "Music Player 1", the "Enable" button is selected. For "Music Player 2", the "Disable" button is selected. At the bottom left, there is a blue plus sign followed by the text "Music Player", indicating a button to add a new 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
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

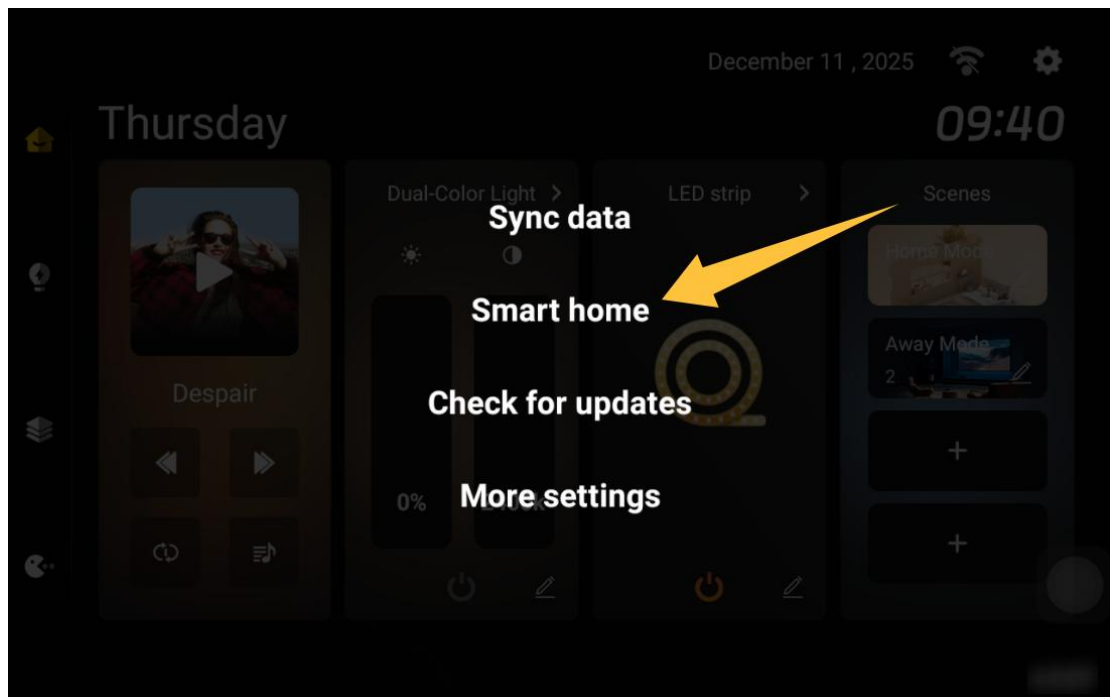
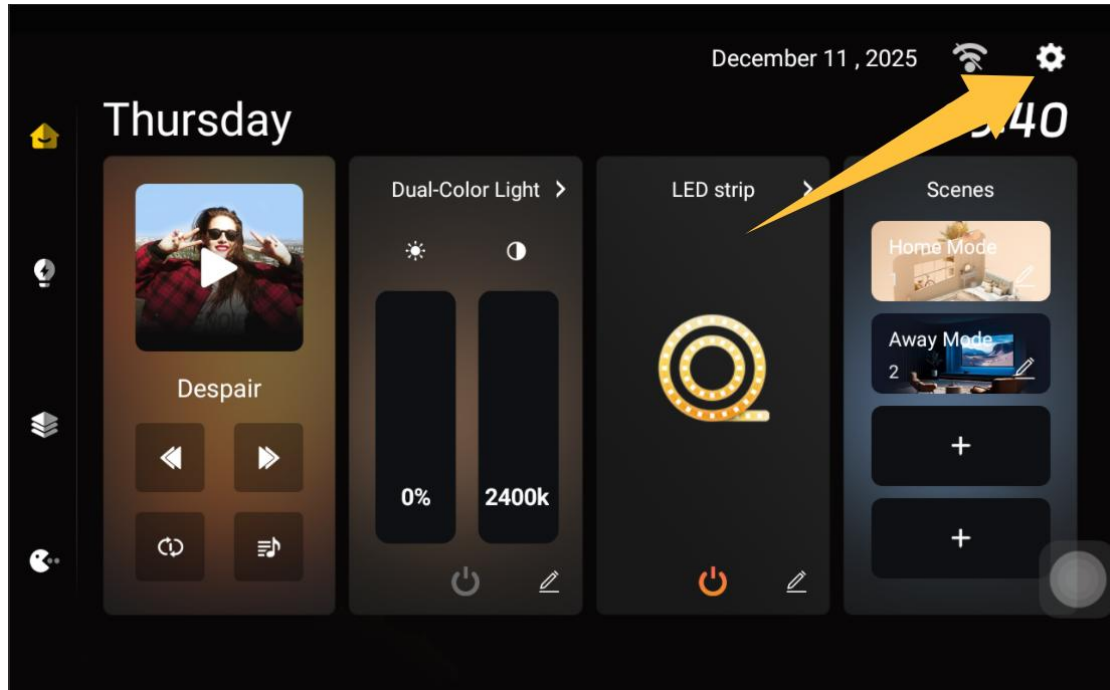
Scene 1 - 64

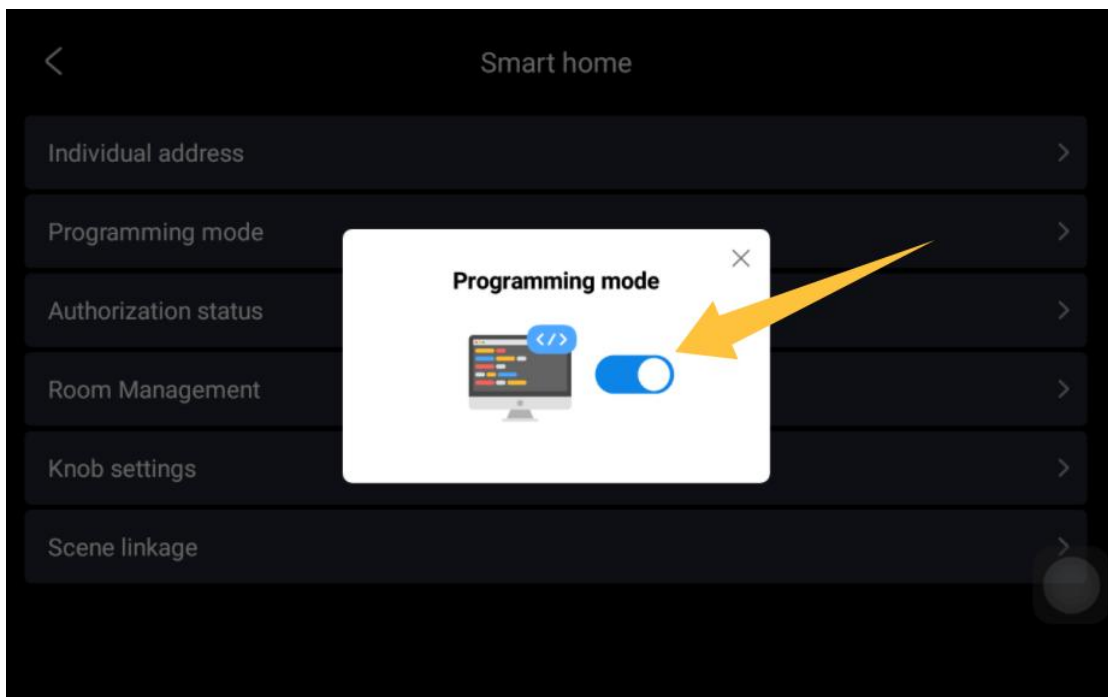
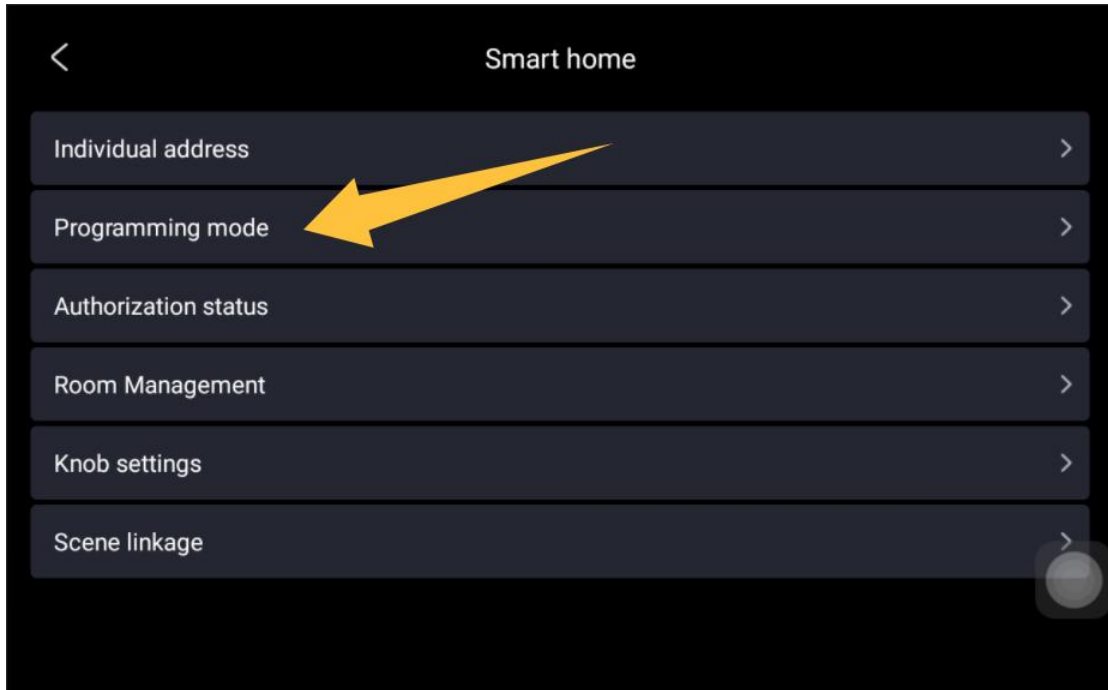
Scene 65 - 128

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:

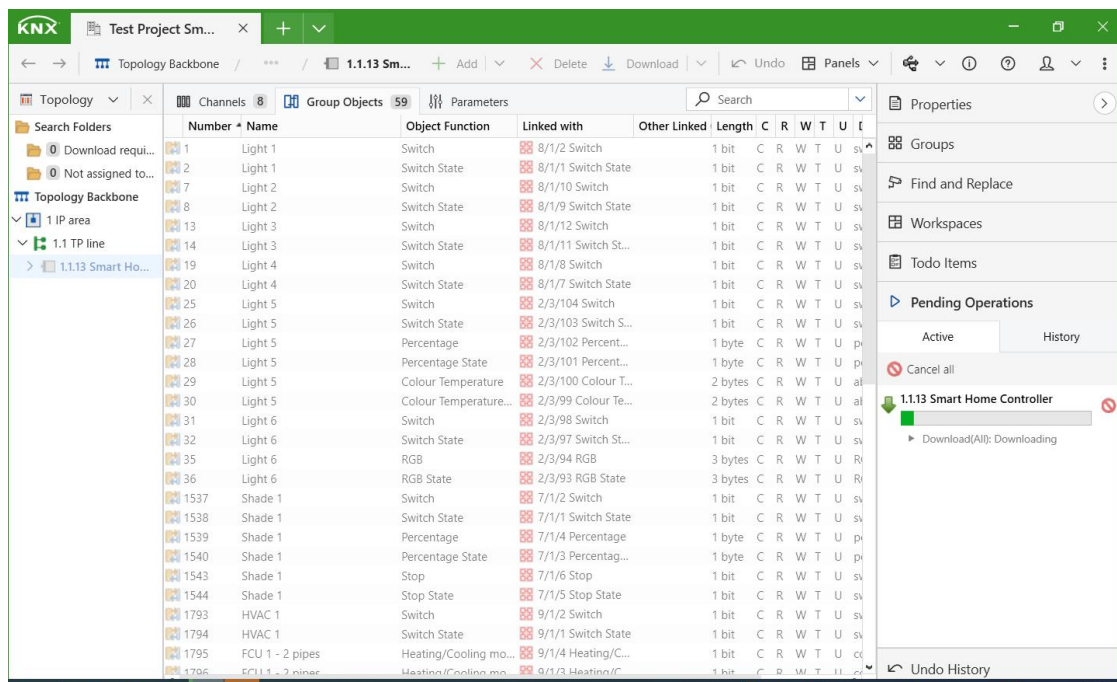
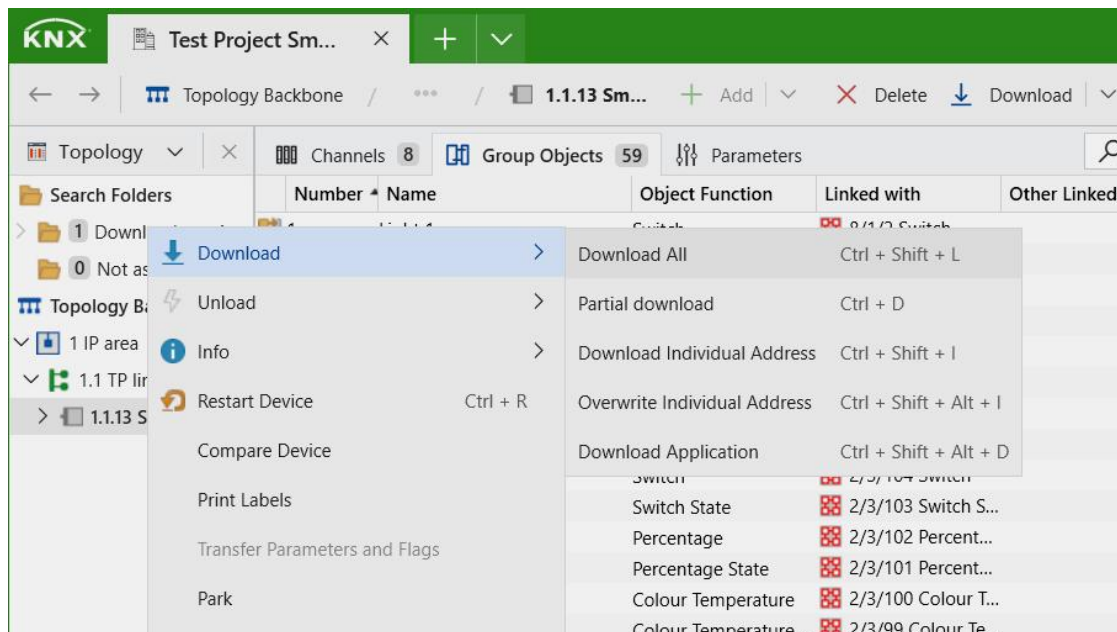




Note: Remember to turn off programming mode after the data download is complete.

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.

