User Manuel

KNX Smart Touch S3

User Manual_V1.4

CHTF-3.3/3.1.01

Attentions

1、Please keep devices away from strong magnetic field , high temperature , wet environment ;

2、Please do not fall the devices to the ground or make them get hard impact ;

3、Please do not use wet cloth or volatile reagent to wipe the devices ;

4、Please do not disassemble the devices.

Content

1. Function Overview

The S3 smart screen is a multi-functional IOT smart screen that integrates smart home central control, video intercom, and Main+Optional (Bluetooth) integrated network. Easy to operate and excellent in interaction, it truly realizes the intelligence and automation of the home and brings a new home life experience.

Designed with a 3.3-inch IPS screen

The structure and appearance feature a plastic frame and a surface with a multi-touch panel

Powered by DC 9V-36V

Supports SIP video intercom function

Supports KNX smart home function

Supports Bluetooth environmental sensors connection

Equipped with 3 physical buttons to control devices/scenes

Supports remote control via mobile phone

Supports customizing scenes on mobile phone

Indoor temperature and humidity detection

Human proximity sensing

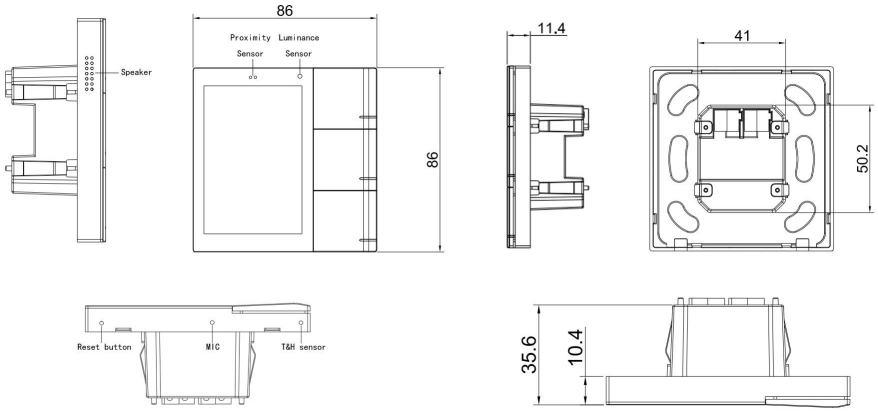
Automatically adjusts screen brightness

Automatically adjusts button brightness

2. Product Description

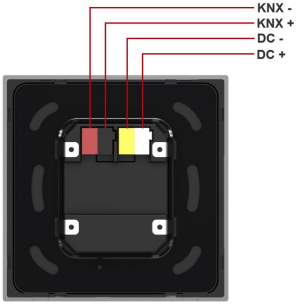
2.1 Appearance

2.2 Dimension



2.3 Interfaces

Front



Back

2.4 Parameters

Working voltage: DC, 9V-36V

Communication interface: 1-channel KNX

Display 3.3 inches

Resolution: 480*320

Wifi: Open field: 2.4G WiFi＞50 meters

Bluetooth: 4.2 ,open field: >10 meters

Microphone: single microphone

Speaker: 1 channel speaker, 8Ω 1W

Overall dimensions (L*W*D): 86*86*10.4mm

Installation 86 box size (L*W*D): 86×86×60mm

3. Initialization Setting

1) Start up and enter the initialization interface, select the language and click the "Next" button (Figure 3-1);

2) Enter the network configuration (Figure 3-2), select the desired hotspot to connect to;

3) After successful network connection, click the "Next" button (Figure 3-3);

4) Enter the account binding page (Figure 3-4), log in to the GVS Smart app, click the "Scan" function in the upper right corner of the app homepage (Figure 3-5), and scan the device QR code with the phone's camera (Figure 3-6);

5) Click on the scanned S3 smart screen device to add it (Figure 3-7). When adding, make sure the device is online. After confirming successful binding, the S3 device will prompt "Binding Successful" and automatically enter the homepage;

6) On the Vision Smart Home app, the system automatically reads the device and scene data configured on the S3 smart screen (Figure 3-8). After selecting the devices to be added, click "Synchronize" to complete.

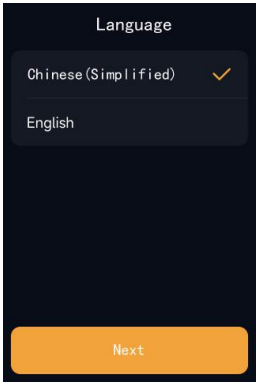


Fig. 3-1

Fig. 3-2

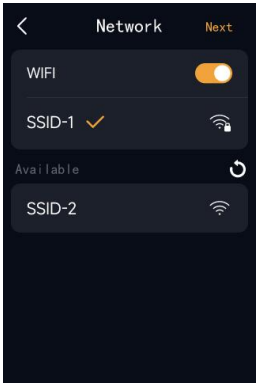


Fig. 3-3

Fig. 3-4

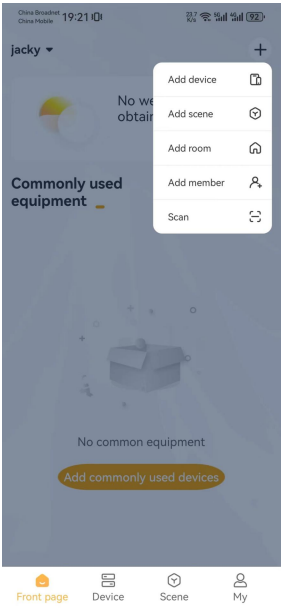


Fig. 3-5

Fig. 3-6

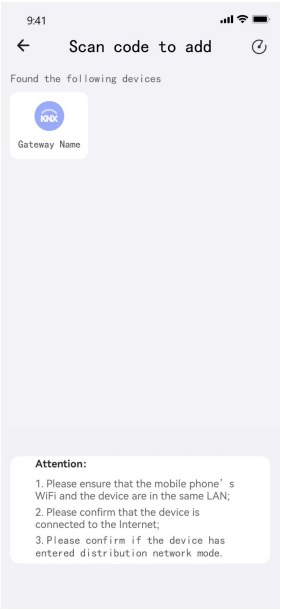


Fig. 3-7

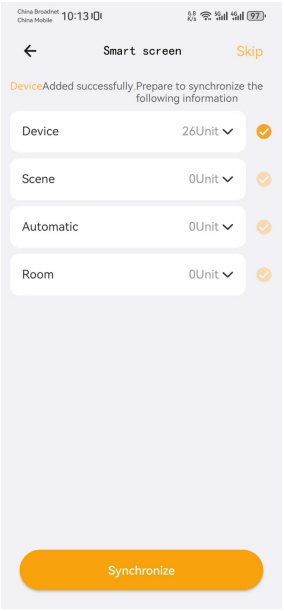
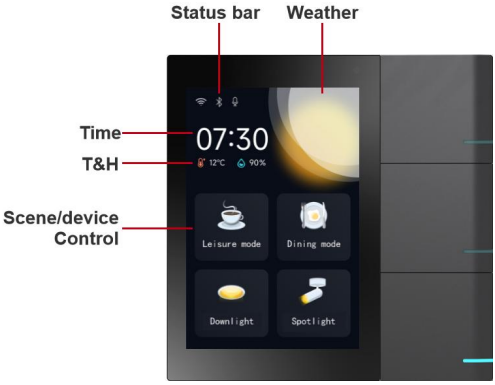


Fig. 3-8

4. Basic Functions

4.1 Main Page



4.1.1 Status Bar

Displays the status of wifi, Bluetooth, and mute.

4.1.2 Time and Inner Temperature & Humidity

Displays the current time and the temperature and humidity values detected by the device's built-in temperature and humidity sensor.

4.1.3 Local Weather

Displays the weather information of the area based on the device's IP location.

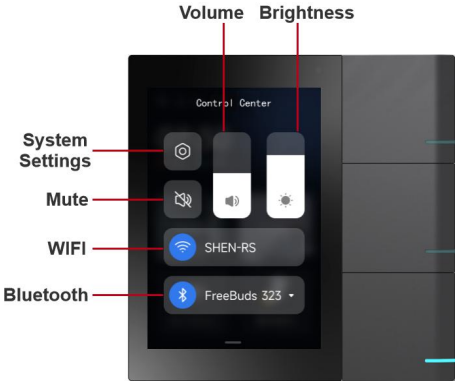
4.1.4 Scene/Device Control

The homepage supports quick access to scenes or devices added through ETS software or the app. The homepage allows up to 4 scene/device controls.

(1) Scene control: Links to configured scenes, displays the scene name and icon, and triggers the scene when clicked.

(2) Device control: Links to configured devices, displays the device name and icon, and allows for on/off operation when clicked. Long press it to access device details.

4.1.5 Drop-down Control Panel



- **System Settings**

Enter system settings to perform system-related operations on the device.

- **Mute**

When muted, incoming call ringtones and touch screen sounds are muted, but do not affect intercom call audio.

- **Volume**

Adjust the volume of incoming calls and touch screen sounds.

- **Brightness**

Adjust the screen brightness.

- **WIFI**

Turn on Wi-Fi and use GVS Smart app to connect the device to a Wi-Fi network.

- **Blue Tooth**

Turn on Bluetooth and use GVS Smart app to connect the device to Bluetooth environmental sensors.

4.2 Smart Home

Swipe left from the home page to access the smart home device list, which displays the smart home devices/scenes added to each function page.

4.2.1 Add function page

You can configure function pages (up to 6) using ETS software, or add custom function pages (up to 10) using the app. All pages can be hidden/shown through system settings or the app.

4.2.2 Add function icon

You can configure icons using the app or ETS, with a maximum of 6 smart home icons per function page.

Note: Scenes or devices not configured in ETS will be automatically assigned to the custom function page if the user has one. If the user does not have a custom function page, any non-ETS configured scenes or devices that are added will generate a custom function page automatically.

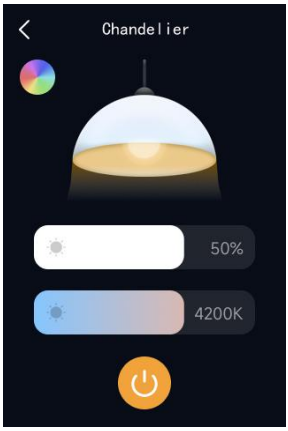
4.2.3 Lighting Control

- **Switch ON/OFF**

Tap the lighting device icon, and the color of the icon changes to indicate the switch status. Bright color represents on, while gray color represents off.

- **Dimming**

Long press the dimmable lighting device icon to adjust the brightness/color temperature of the light using the progress bar. Bright color represents on, while gray color represents off. Tap the top left corner to enter the RGB dimming interface, select a color, and adjust it using the progress bar.



Dimmable Interface

RGB Dimming Interface

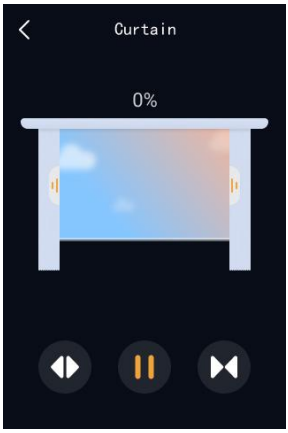
4.2.4 Curtain/Blinds Control

- **Curtain Open/Pause/Close**

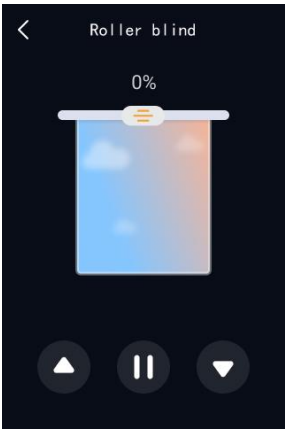
Tap the curtain device icon to enter the curtain control interface, where you can control the curtain to open, close, or pause.

- **Angle Adjustment**

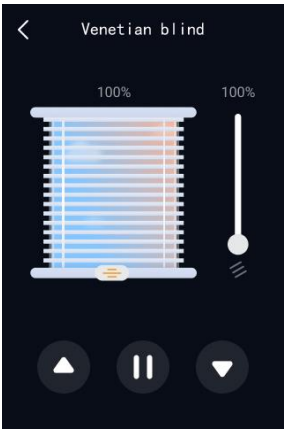
Swipe left/right or up/down to adjust the percentage of curtain closure.



Open Curtain Interface



Roller Curtain Interface



Venetian Blind Interface

4.2.5 AC Control

Tap the air conditioning device icon to enter the air conditioning control interface, with the following control functions:

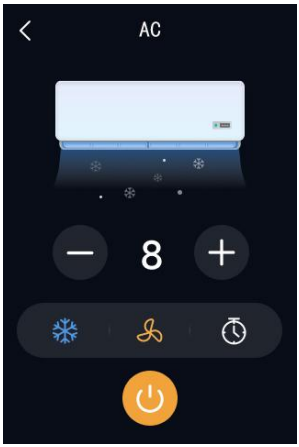
Power ON/OFF: Tap the power button, with bright color representing on and gray color representing off.

Temperature Setting: Tap the temperature increase/decrease icons to control the current temperature.

Mode Setting: Tap the mode setting icon to set cooling, heating, dehumidification, ventilation, or automatic mode.

Fan Speed Setting: Tap the fan speed setting icon to set low, medium, high, or automatic mode.

Timer Setting: Tap the timer setting icon to set a specific switch action at a certain day and time.



Air Conditioning Control Interface

4.2.6 Temperature Control

Tap the temperature control device icon to enter the room temperature control interface, with the following control functions:

Power ON/OFF: Tap the power button, with bright color representing on and gray color representing off.

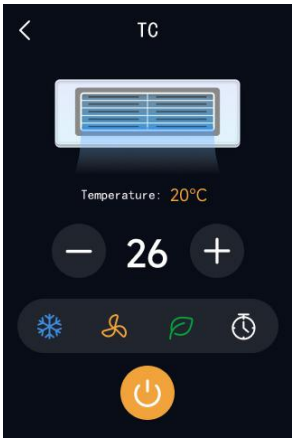
Temperature Setting: Tap the temperature increase/decrease icons to control the current temperature.

Mode Setting: Tap the mode setting icon to set cooling or heating mode.

Fan Speed Setting: Tap the fan speed setting icon to set low, medium, high, automatic, or off mode.

Operation Mode: Tap the energy-saving setting icon to set energy-saving, comfort, standby, or protection mode.

Timer Setting: Tap the timer setting icon to set a specific switch action at a certain day and time.

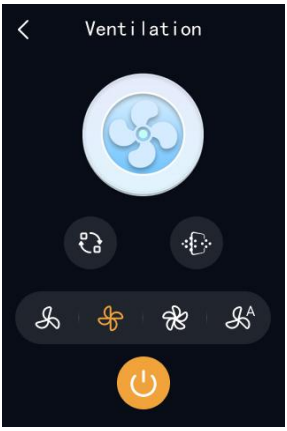


Room Temperature Control Interface

4.2.7 Ventilation Control

Click on the ventilation device icon to enter the ventilation control interface. The control functions are as follows:

- Power On/Off: Click the power button. The icon will be highlighted in color when turned on and grayed out when turned off.
- Heat Exchange Setting: Enable or disable the heat exchange function.
- Filter Life Display: After turning on the device, the filter life indicator icon will be highlighted, and the remaining life value will be displayed below the icon. Clicking the icon will reset the filter usage time. After confirming, the filter life will be reset to 100%.
- Fan Speed Setting: You can set low speed, medium speed, high speed, and automatic mode.。



Ventilation Control Interface

4.2.8 Background Music Control

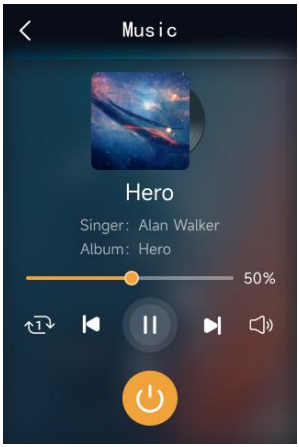
Click on the background music device icon to enter the background music control interface. The control functions are as follows:

Power On/Off: Click the power button. The icon will be highlighted in color when turned on and grayed out when turned off.

Play Mode: Click the play mode icon to set the playback mode to all loop, random, or single loop.

Playback Control: Click the playback control icon to control play/pause, previous track, and next track.

Volume Control: Click the music control icon to adjust the volume or mute.



Background Music Control Interface

4.2.9 Scene Control

Scene icons are divided into two types: manual execution scenes and automatic execution scenes. Clicking on a manual execution scene icon triggers the corresponding scene execution. Automatic execution scenes are indicated with the "AUTO" label and will be executed automatically when the conditions are met. They will not be executed when manually clicked.

4.2.10 BLE Sensor

The devices are connected to Xiaomi's Bluetooth environment sensors. The sensor icons display the monitored environmental parameters. The added sensor icons are not displayed in the KNX function page but are shown separately in the custom page. If no custom function page is added to the screen, adding devices or scenes that are not ETS-configured will automatically generate a custom function page.

Sensor Environment Monitoring Interface

4.2.11 Button Control

The S3 smart screen is equipped with three physical buttons, which can be bound to specific devices or scenes through ETS or the app to control scenes or devices.

- Scene Control: If a scene is bound to a button, pressing the button will directly execute the scene.
- Device Control: If a button is bound to a device with only on/off functionality, pressing the button will directly turn it on or off. If the device has additional functionalities besides on/off, pressing the button will directly enter the details operation page of that device.

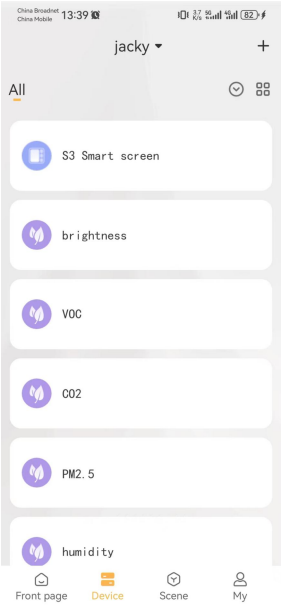
4.2.12 APP Remote Control

The S3 smart screen can be bound to GVS Smart app for remote control and system settings of the smart home.

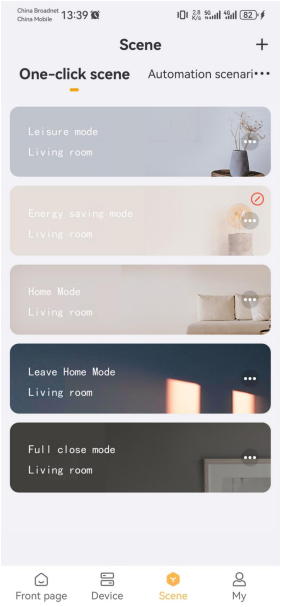
Note: Refer to section 4.4.1 for the account binding process.

- Smart Home Remote Control: After binding the account, the "Devices" tab in GVS Smart app will display the S3 smart screen and all its configured devices. The "Scenes" tab will display all the scenes configured on the S3 smart screen. Clicking on the corresponding device or scene allows for remote control.

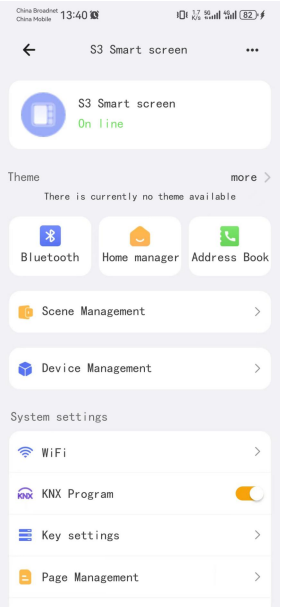
- System Settings: Select the "Devices" tab and click on the "3-inch Screen" device to enter the S3 smart screen settings interface. Here, you can configure system settings and smart home data for the device.



Device Tab Interface

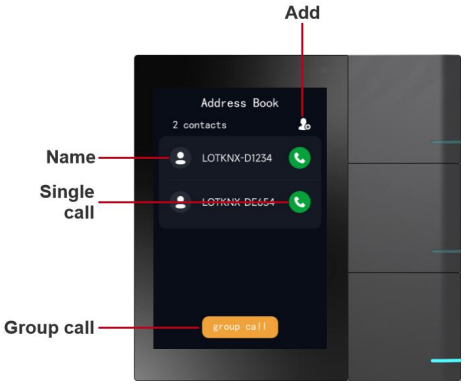


Scenes Tab Interface



S3 Smart Screen Settings Interface

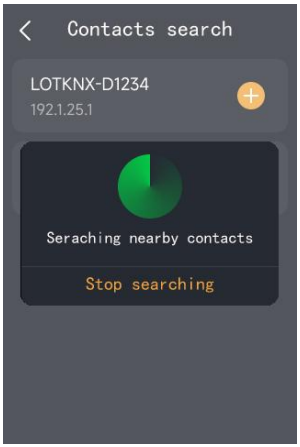
4.3 Video Intercom Function



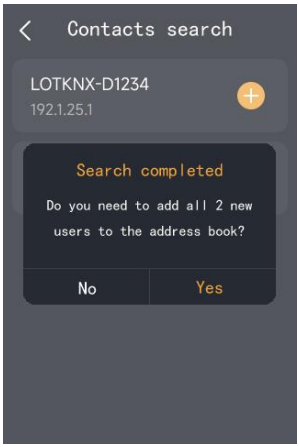
Swipe right from the homepage to enter the video intercom address book list, which displays the indoor units that have been added in the same LAN.

4.3.1 Add Contact

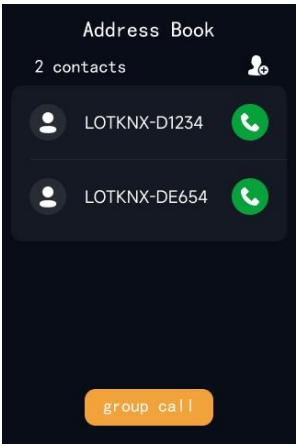
You can use the "Add" button to automatically search for indoor units within the same LAN and select the desired devices to add.。



Search Interface



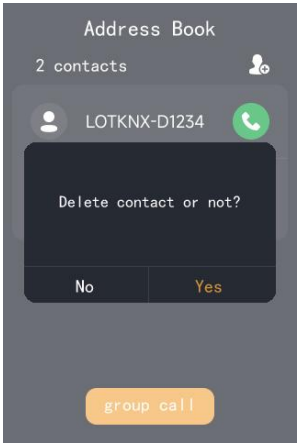
Discovery Interface



Add Interface

4.3.2 Delete Contact

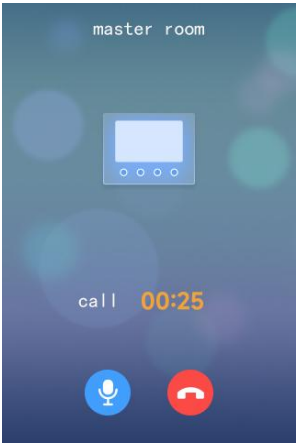
Long press on a single contact in the address book list to delete it.



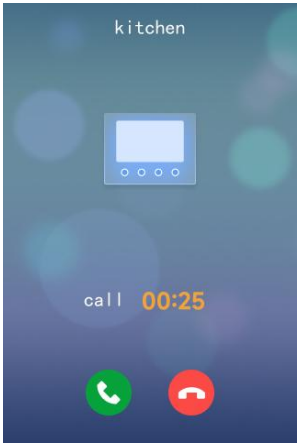
Delete Interface

4.3.3 Single Call to Indoor Monitor

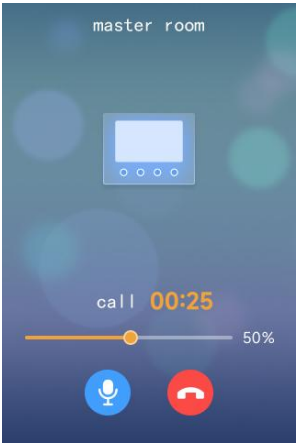
Select a contact, click the call button, and you can have a two-way voice call between indoor monitors. During the call, you can disable the microphone and adjust the intercom call volume.



Single Call Interface



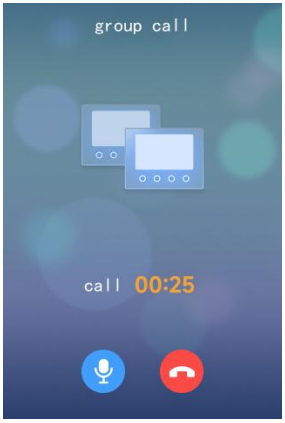
Incoming Call Interface



Answer Interface

4.3.4 Group Call to Indoor Monitors

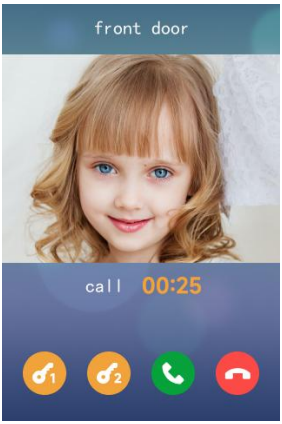
Click the "Group Call" button. If the number of contacts is within 16 (including 16), all contacts will be called by default. If the number of contacts exceeds 16, select the contacts before calling. If one party answers the call, the others will be disconnected.



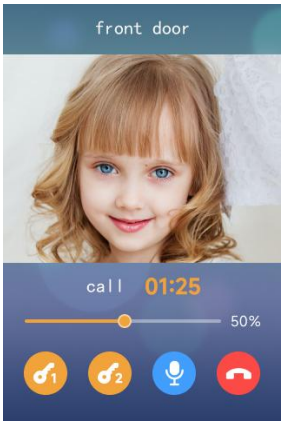
Group Call Interface

4.3.5 Call from Door Station

The S3 smart screen can answer calls from the door station, have video calls and unlock with the door station. During the call, you can disable the microphone and adjust the intercom call volume.



Door station incoming call interface



Answer interface after receiving a call from the door station

4.4 System Setting

4.4.1 Bind An Account

1) Enter the system settings, select account binding, and a device QR code interface will pop up (Figure 4-1-1);

2) Use GVS Smart app, click on the "Scan" function in the upper right corner of the homepage (Figure 4-1-2);

3) Scan the QR code of the device with the phone's camera (Figure 4-1-3);

4) Click on the recognized S3 smart screen device to add it (Figure 4-1-4). Make sure the device is online when adding it. After confirming the successful binding, the S3 device will prompt "Binding successful";

5) On GVS Smart app, the system will automatically read the device and scene data configured on the S3 smart screen (Figure 4-1-5). After selecting the devices to be added, click "Synchronize" to complete.

Figure 4-1-1

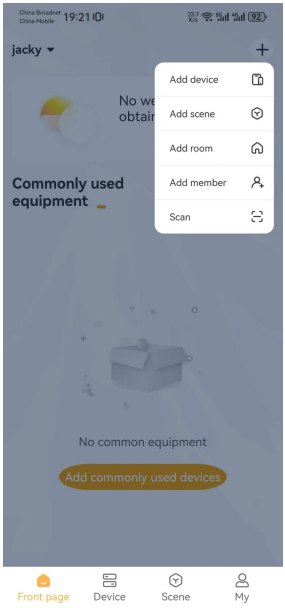


Figure 4-1-2

Figure 4-1-3

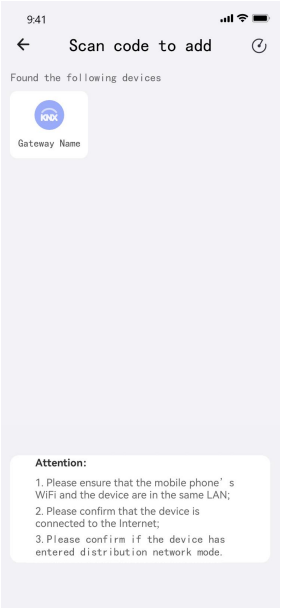


Figure 4-1-4

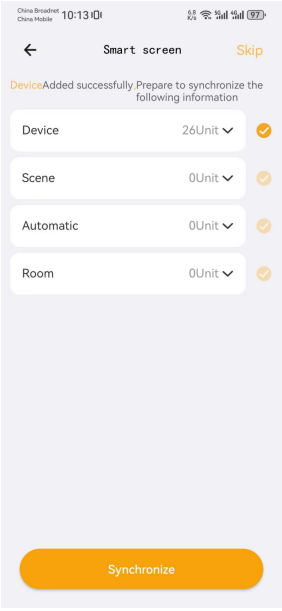


Figure 4-1-5

4.4.2 General Setting

Enter the system settings, select general settings, and enter the general settings interface (Figure 4-2-1):

- Page manager: control the hiding or displaying of configured function pages (Figure 4-2-2);
- KNX programming mode: enable KNX programming mode, at this time, the three physical buttons will be constantly lit in red;
- Always show key information: control the hiding or displaying of the labels of physical buttons;
- Constant LED of physical buttons: control the on or off state of the indicator lights of physical buttons;
- SIP server: display the configured SIP server address and registration status. To perform operations, use GVS Smart app.

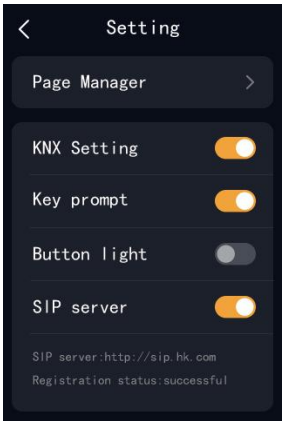


Figure 4-2-1

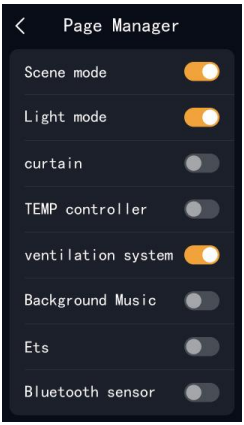


Figure 4-2-2

4.4.3 Network Setting

1) Go to system settings, select network settings, and turn on wifi. The device will automatically search for nearby hotspots (Figure 4-3-1).

2) Select the desired hotspot, enter the password (Figure 4-3-2), and connect (Figure 4-3-3).

Figure 4-3-1

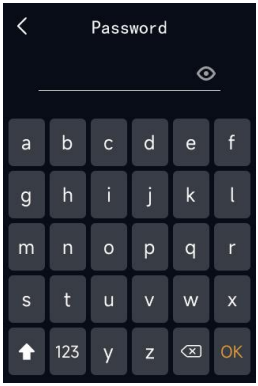


Figure 4-3-2

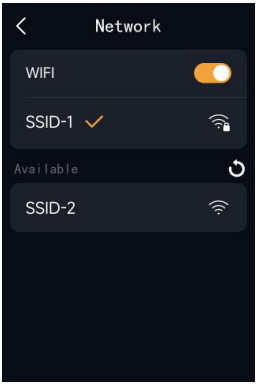


Figure 4-3-3

4.4.4 Sound Setting

Go to system settings, select sound settings, and enter the sound settings interface (Figure 4-4-1):

- Silent mode: When silent mode is enabled, incoming call sounds and touch screen sounds are muted. Timer activation needs to be done through the GVS Smart app.
- Volume adjustment: Can adjust the volume of incoming calls and intercom calls separately.
- Touch screen sound switch: Can control the sound switch for touch screen sounds.

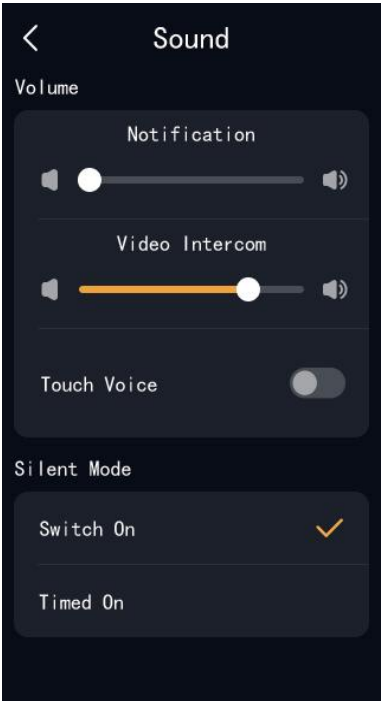


Figure 4-4-1

4.4.5 Language Setting

Go to system settings, select language settings, and enter the language settings interface (Figure 4-5-1). Select the corresponding language and the system will automatically switch to that language.

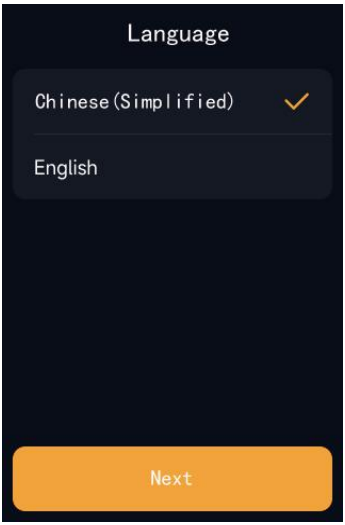


Figure 4-5-1

4.4.6 Time Setting

Go to system settings, select time settings, and enter the time settings interface (Figure 4-6-1). You can choose to automatically synchronize the network time or manually set the time.

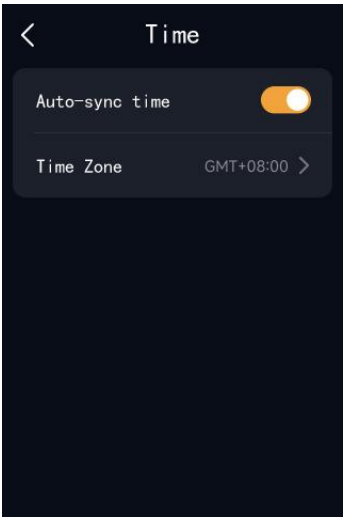


Figure 4-6-1

4.4.7 Brightness

Go to system settings, select screen brightness, and enter the screen brightness settings interface (Figure 4-7-1). You can choose to automatically adjust the screen brightness or manually adjust it.

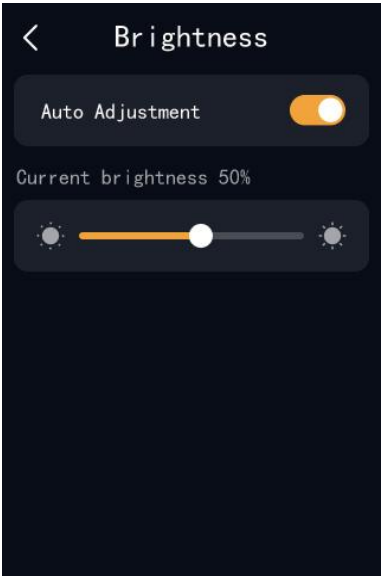


Figure 4-7-1

4.4.8 Password

Go to system settings, select device password, and enter the device password settings interface (Figure 4-8-1). You can choose to enable password verification for screen unlocking, device unbinding, and restoring to default settings.

Note: The initial password is set by ETS configuration. Users can change and reset the password through the app.

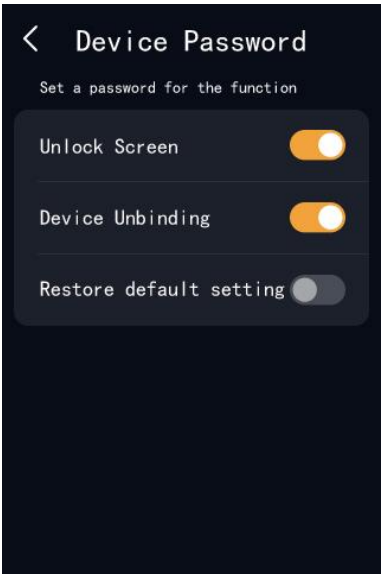


Figure 4-8-1

4.4.9 Device & System

Go to system settings, select device & system, and enter the device & system interface (Figure 4-9-1):

- View device information: Can view Device Name, Device Model, MAC Address, IP Address, PID, Device SN, Firmware Version, and Application Version.
- Device unbinding: Unbind the device from the app.
- Device reboot: Perform a soft reboot of the device.
- Restore to default settings: Restore the device to factory settings, clearing all data except for the KNX smart home system.

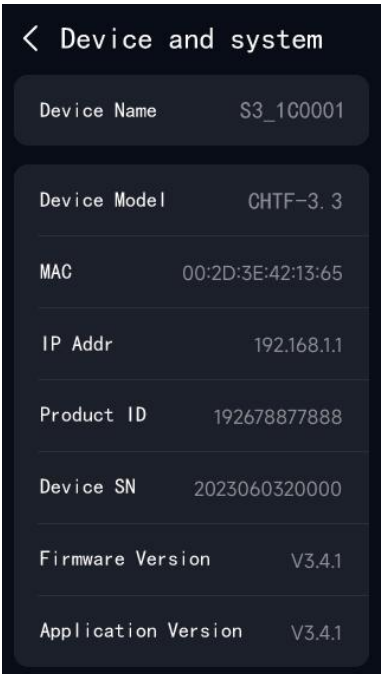
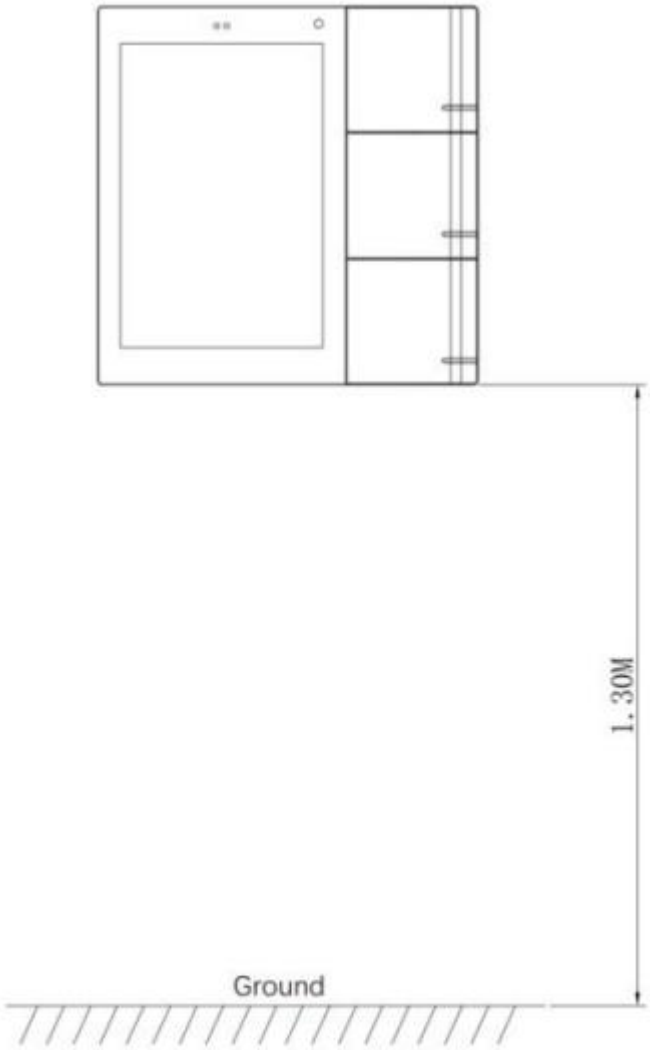

Device and system
Device Name
S3_1C0001
Device Model
CHTF-3.3
MAC
00:2D:3E:42:13:65
IP Addr
192.168.1.1
Product ID
192678877888
Device SN
2023060320000
Firmware Version
V3.4.1
Application Version
V3.4.1

Figure 4-9-1

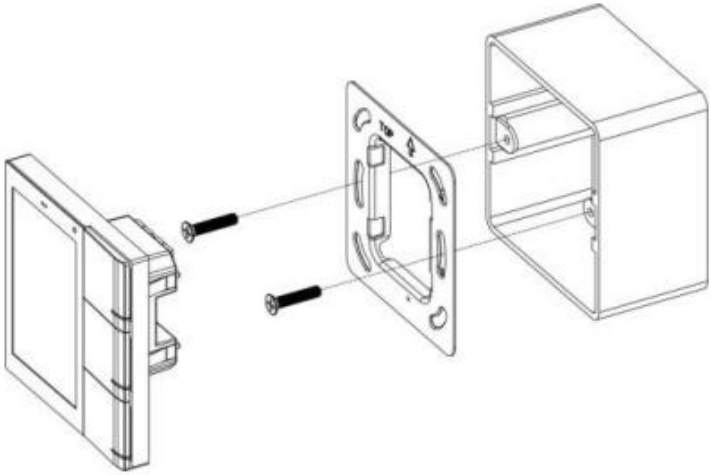
5. Installation

5.1 Installation Height



Suggested installation height 1.3m

5.2 Installation Description



Step 1: Fasten the metal bracket to the junction box (86mm, 60mm, 68mm) with screws.

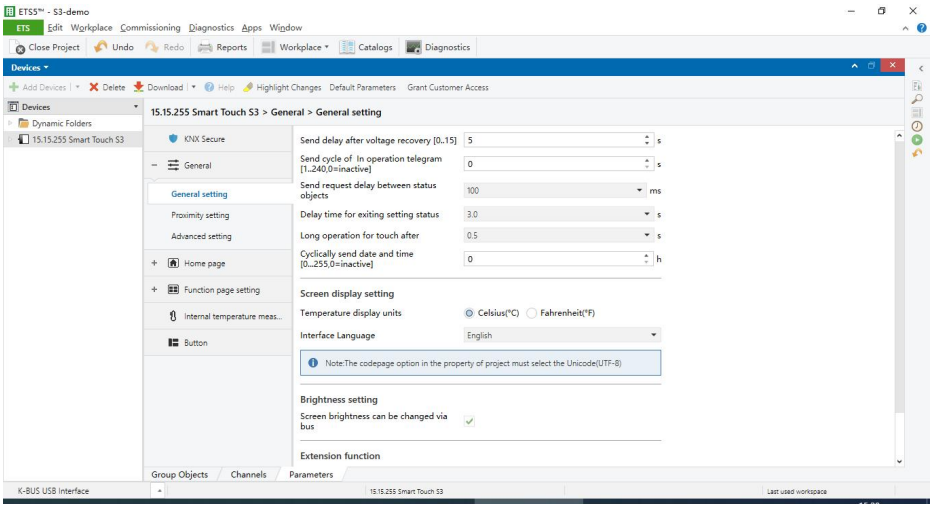
Step 2: Wire the device and fix the device to the bracket.

***DO NOT forcefully press the device when there's a problem in installation, check the bracket and adjust it flat to the wall and retry.**

6. ETS Parameter Setting

6. 1 General

6. 1. 1 General setting



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Send delay after voltage recovery [0..15]s	0..5..15	5		Set the delay time to send to bus after the device voltage recovery. This delay is not considered during downloading. Initialization is completed, and the status or sensor sends a read message. -During the power-on delay period, if there is any operation on the screen or shortcut keys, these functional points will

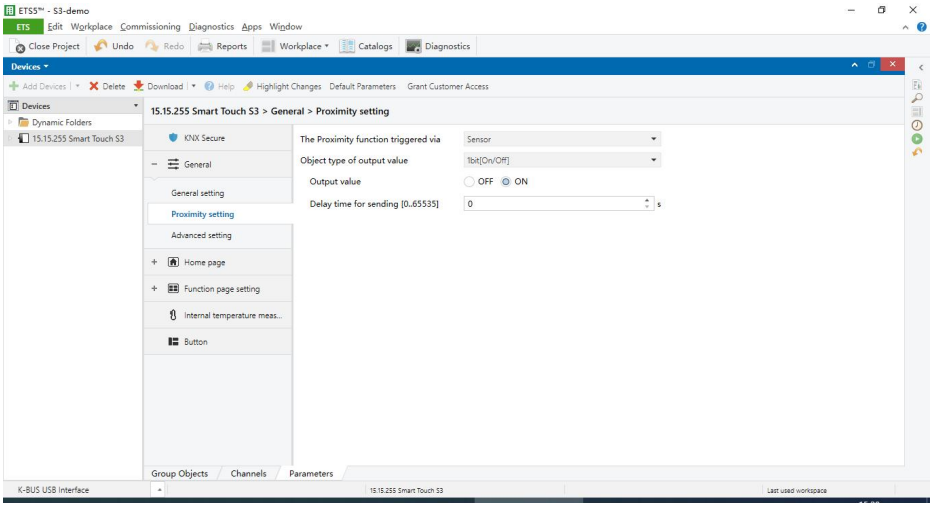
					immediately send control messages, and their corresponding status request messages will be canceled. If bus data is also received during the delay period, their corresponding status request messages will also be canceled. -The device enters the delay immediately when it is powered on, and sends the buffered data of the status request when the delay is reached. In normal operation, if the bus power is restored after a power failure, the status request message needs to be sent immediately. (Because KNX and panel work on different power sources)
2	Send cycle of "In operation" telegram [1..240,0=inactive]	0..240	0		-The device sends heartbeat messages when it is online. The first message is sent after the device restarts or the delay for message sending is completed and sent.
3	Send request	50ms 100ms	100ms		-The interval time for sending status object

	delay between status objects	200ms			request messages.
4	Delay time for exiting setting status	1.0s=1 2.0s=2 3.0s=3 4.0s=4 5.0s=5	3.0s		-Setting the delay automatic exit function status (mainly used for temperature control, air conditioning, background music sub-function settings), with a time of 0.5S/1.0S/2.S/3.0S (When exiting the setting, the message is sent, such as setting the temperature, mode, etc., specifically defined by the UI)
5	Long operation for touch after	0.5s=0 1.0s=1 2.0s=2 3.0s=3	0.5s		-The long press time of the icon on the screen.
6	Cyclically send date and time [0...255,0=inactive]	0...255	0		-Setting the cycle for sending date and time data to the bus, 0 means no sending.
Screen display setting					
7	Temperature display units	Celsius(°C)=0 Fahrenhei	Celsius(°C)		-Selectable display units for Celsius and Fahrenheit

		t(°F)=1			
8	Interface Language	Chinese(Simplified)=0 Chinese(Traditional)=9 English=1 German=2 French=3 Spanish=4 Russian=5 Italian=6 Greek=7 Other=8	English		-Interface language selection, can be modified by the app or device
Brightness setting					
9	Screen brightness can be changed via bus	No Yes	Yes		-Optional support for bus modification of brightness value. When the brightness is manually adjusted, the bus modification of brightness value is meaningful, otherwise it is ignored.
Extension function					
10	Security pin code	Disable Enable	Enable		-Set whether the screen enables access password. When the access password is enabled, screen lock will

					default to password verification. However, there is no associated password for account unbinding and factory reset, and password verification needs to be enabled on the app or device to establish the association.
11	Initial pin code	0..1234....9999	1234		-Set the initial password for user password, which can be modified on the device or app later.
12	Proximity function	Disable Enable	Enable		-Proximity sensor switch

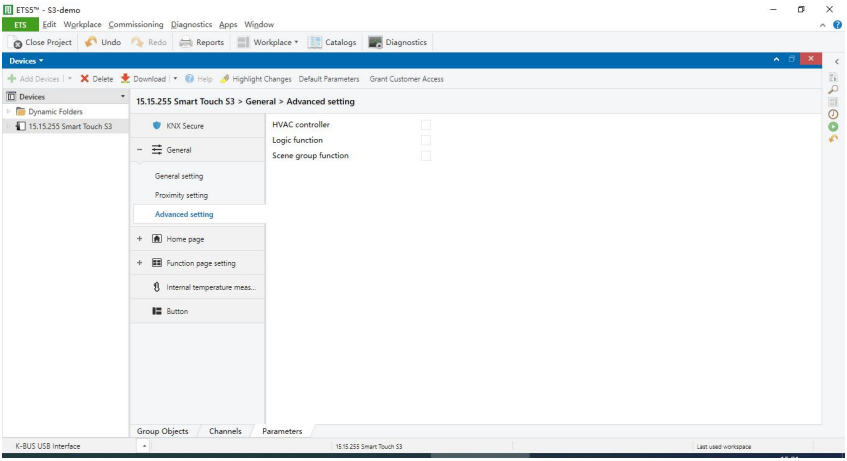
6. 1. 2 Proximity setting



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	The Proximity function triggered via	Sensor=1 Proximity object=2 Sensor or Proximity object=3	Sensor	When it is a Proximity object, there are no output parameters.	The trigger way of proximity function: Sensor / Proximity object / Sensor or Proximity object. When “Sensor or Proximity object” is selected, not send output value when proximity triggered via object.
2	Object type of output value	No reaction 1bit[On/Off]=1 1byte[scene control] 1byte[0..255] 1byte[0..100%]	1bit	When the previous parameter is Proximity object (test=2), it is not visible.	When the proximity sensor triggers, you can set the sending switch value or 1byte value, and the delayed sending time.
3	Output value	OFF=1 ON=2	On	Display according to parameter options	
		Scene No.1=1 .. Scene No.64	1		

		0..255	255		
		0..100%	100		
4	Delay time for sending [0..65535]s	0..65535	0	Displayed when it is not No reaction	Send delay time

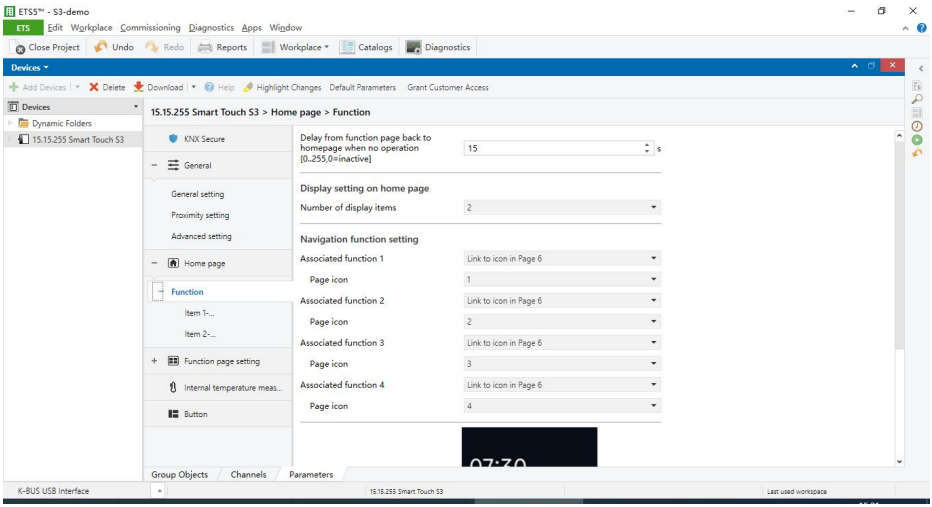
6. 1. 3 Advanced setting



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	HVAC controller	Disable Enable	Disable	Display using checkbox	HVAC functions
2	Logic function		Disable		logic function
3	Scene group function		Disable		Scene group function

6.2 Home page

6.2.1 Function



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Delay from function page back to homepage when no operation [0..255,0=inactive]s	0...15...255	15	Enable visible	Delay automatic return from the function page to the home page, no automatic return at 0.
Display setting on home page					
2	Number of display items	None 1 2	2		Display environmental information on the home page, up to 2 indicators can be displayed, including

					temperature, humidity, PM2.5, PM10, CO2, VOC, illuminance, wind speed, AQI, rain.
Navigation function setting					
3	Associated function 1	None Link to icon in Page 1 Link to icon in Page 2 Link to icon in Page 3 Link to icon in Page 4 Link to icon in Page 5 Link to icon in Page 6		Options are displayed based on the number of functions	The home page supports adding shortcuts for devices or scenes through the ETS software or app. The home page allows up to 4 scene/device shortcut icons. It is possible to delete icons through the app. If no icons are configured, the user will be prompted to "Please use GVS Smart app to add device/scene shortcuts."
4	Page icon	1=1 2 3 4		test>0, and the options are displayed	

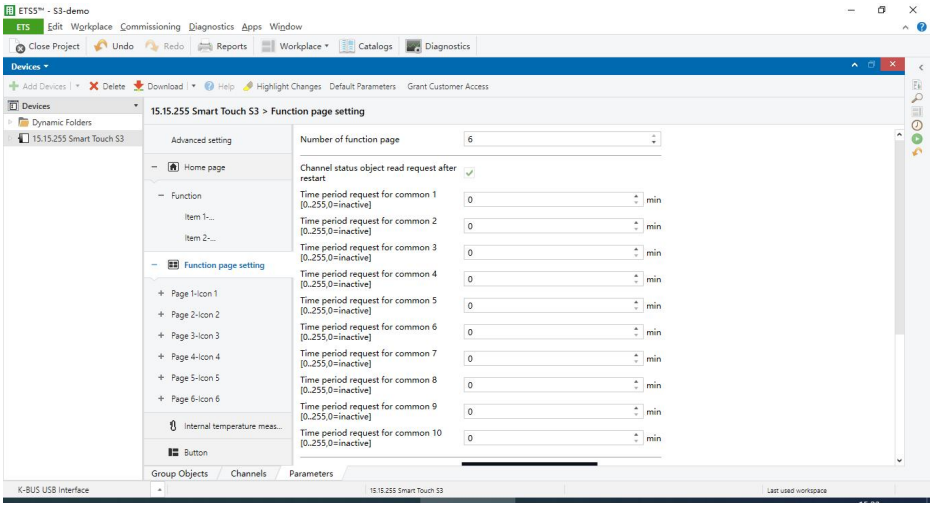
		5 6		according to the number of icons on the page	
Item					
5	Display function	Int. temperature Int. humidity Ext. temperature Ext. humidity PM2.5 PM10 VOC CO2 AQI Brightness Wind speed Rain	Int. Temperature or Int. humidity		Item 1 default value is internal temperature (Int. temperature), Item 2 default value is internal humidity (Int. humidity).

6	Function description (max 18char.)	text string	Null		In the database, the left side displays the description of the icon, and by default, it shows {{Icon 3}}. Thus, the object and icon page title names change with the description.
7	Time period for request external sensor [0..255]min	0...255	0	Int. temperature or Int. humidity Not visible	The time period for retrieving external air quality information is set to send read requests by default upon power reset and completion of programming, with 0 indicating no sending.
8	Object datatype of display PM2.5	Value in ug/m3(DPT_7.001) Float value in ug/m3(DPT_9.030)	Value in ug/m3(DPT_7.001)	PM2.5 is visible	Setting the data point type for PM2.5.
9	Object datatype of display PM10	Value in ug/m3(DPT_7.001) Float value in	Value in ug/m3(DPT_7.001)	PM10 is visible	Setting the data point type for PM2.5.

		ug/m3(DPT_9.030)			
10	Object datatype of display VOC	Value in ug/m3(DPT_7.001) Float value in ug/m3(DPT_9.030)	Value in ug/m3(DPT_7.001)	VOC visible	Setting the data point type for VOC value.
11	Object datatype of display CO2	Value in ppm(DPT_7.001) Float value in ppm(DPT_9.008)	Float value in ppm(DPT_9.008)	CO2 is visible	Setting the data point type for CO2 value.
12	Object datatype of display brightness	Brightness in lux(DPT_7.013) Float value in lux(DPT_9.004)	Float value in lux(DPT_9.004)	Brightness visible	Setting the data point type for illuminance value.
13	Object datatype of display	Float value in m/s(DPT	Float value in m/s(DPT	Wind speed is	Setting the data point type for wind speed value.

	wind speed	_9.005) Float value in km/h(DPT_9.028)	_9.005)	visible	
14	Status text for rain (1-ON)	text	Rain	Rain is visible	The text indication for rain and no rain, as well as the icon, will be displayed simultaneously.
15	Status text for no rain (0-OFF)	text	No Rain		
16	Text for unit	text		Types other than rain, temperature and humidity are visible	When the default value is empty, the unit is determined by the data point type.

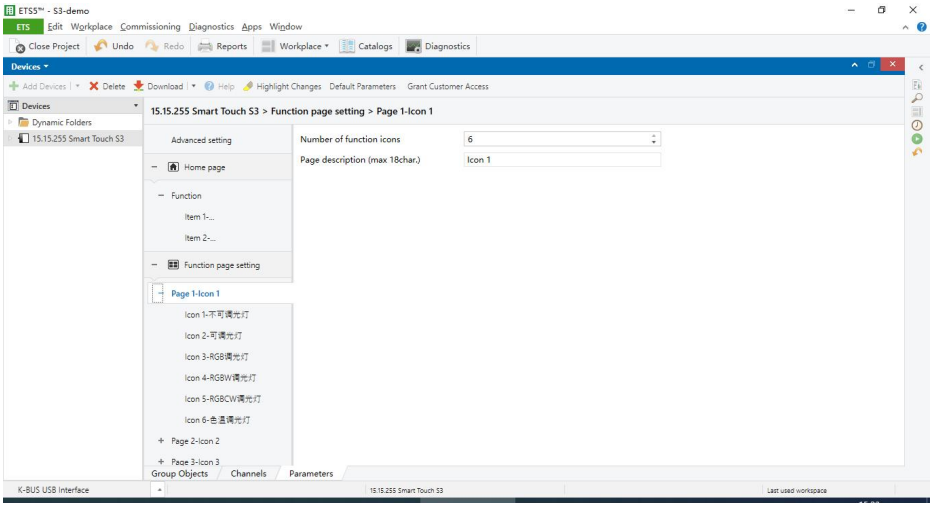
6. 3 Function page setting



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Number of function page	1/2/3/4/5/6	1		Set the number of pages for the function page, maximum 6.
2	Channel status object read request after restart	Disable Enable	Enable	checkbox	When this device restarts, whether to send a device status read request message to query the current status of each device and update the display. Sensor class does not belong to device status, and this device restarts by default will send sensor read requests.

3	Time period request for common 1 [0..255,0=inactive]	0...255	0	When 0 is set, the object is not displayed	Set the query cycle for the online status of general devices. The interval time for sending read requests can be set. 0 means the query function is not enabled. This function is mainly used to query the online status of KNX devices. The online status request starts after the delay time for sending from this device is powered on. Download does not require delay, the device will send the request after initialization. (Whether to send read requests after device restart is configured by the previous parameter)

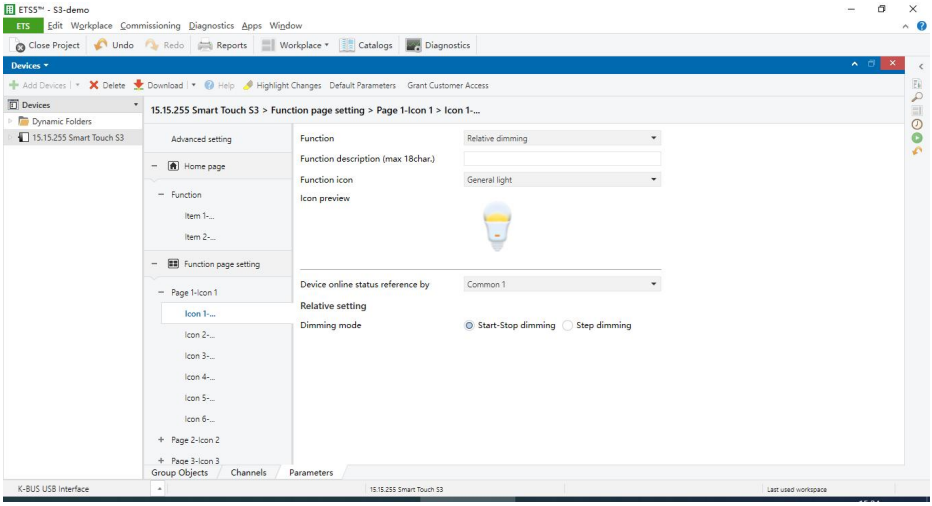
6. 3. 1 Page



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Number of function icons	1/2/3/4/5/6	4		The number of icons on each functional page ranges from 1 to 6.
2	Page description (max 18char.)		Null		Set the name of the functional page title, with a maximum of 18 English characters (6 Chinese characters). By default, it shows "Page 1-{{...}}", meaning that the functional page name changes along with the description, consistent with the page title description on the screen and in ETS.

					However, if the description is empty, the page title on the screen will also be empty.

6. 3. 2 Icon



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Function	Press/Release switch=1 Switch=2 Relative dimming=3 Brightness dimming=4 RGB dimming=5 RGBW dimming=6 RGBCW dimming=7 Colour temperature dimming=8 Curtain step/move=9 Roller blind step/move=10 Curtain position=11 Roller blind position=12 Venetian blind position and slat=13 Air	No function		Device Types

		conditioner=14 Room temperature unit=15 Ventilation system=16 Audio control=17 Value sender=18 Status display=19 Scene=20			
2	Function description (max 18char.)		Null		In the database, the left side displays the description of the icon, defaulting to Icon 1-{{...}}. The object and icon page title names change along with the description.
3	Function icon			Displayed when function option test>0	For selecting functional icons, scene icons and other functional icons do not share the same style. They are designed in a similar way to a 7-inch screen, where scene functionality has its own set of icons. Icon preview
4	Icon preview				Icon preview

5	Device online status reference by	Individual Common 1 ... Common 10 Always online	Always online		Set the reference type for sending read requests to the KNX device on the bus, whether it is for a single device request or a general device request. There are 10 options available for general device requests. General requests are suitable for devices with multiple loops. For example, multiple channels of this device may control multiple loops of the same KNX device, in which case each channel can use the same request. Not all KNX devices have heartbeat packets. Therefore, for the reference of device online status, the option "Always online" needs to be added, indicating that once configured, such devices will be permanently online.
6	Period for request device online status [1..255]	1...10....255	10	Individual visible	Set the time period for requesting the online status of a single device. This is applicable when a bus KNX device is controlled by a single channel of this device.
7	Work mode	Press - ON / Release - OFF Press - OFF / Release - ON	Press - ON / Release - OFF	Press/Release switch is visible	Configure the switch values to be sent when the switch button is pressed and released (this feature does not support animations).
8	Relative setting			Relative dimming is visible	
9	Dimming mode	Start-Stop dimming	Start-Stop		

		Step dimming	dimming		
10	Step size	100% 50% 25% 12.5% 6.25% 3.13% 1.56%	12.5%	Step dimming is visible	
11	Interval of tele. cyclic send [0..25,0=send once]*0.1s	0…25	0		
12	Reaction on "off "operation	Only switch object send value 0=1 Brightness objects send value 0=0	Only switch send value 0	RGB/ RGBW/RGBCW/ Color temperature dimming is visible	When the switch button is turned off, you can choose to only send a switch message 0 or send a brightness message 0. Optimize the interaction logic for turning off the lights: When turning off the lights, the associated functions are displayed as follows: ① RGB light: The color brightness value (outer arc) is updated to 0, while the color palette remains unchanged. ② RGBW light: The color brightness value (outer arc) and the white light value are updated to 0, while the color palette remains unchanged. ③ RGBCW light: The color brightness value (outer arc) and the color temperature brightness value are updated to 0, while the color palette and the color temperature arc remain unchanged. ④ CW light: The color temperature brightness

					value is updated to 0, while the color temperature arc remains unchanged.
13	Object datatype	1x3byte 3x1byte	1x3byte	RGB dimming visible	For RGB dimming, you can choose the object type.
14	Object datatype	1x6byte 4x1byte	1x6byte	RGBW dimming visible	For RGBW dimming, you can choose the object type.
15	Colour temperature control type	Normal Directly(with warm/cool white algorithm)	Normal		For RGBCW, it combines RGB and brightness+color temperature.
16	RGB object datatype	1x3byte 3x1byte	1x3byte		
17	Status feedback object	Brightness+Colour Temperature Warm/cool white brightness	Brightness+Colour Temperature	Directly(with warm/cool white algorithm)visible	
18	Min. colour temperature [2000..7000]K	2000..7000	2700	When designing the database,	

19	Max. colour temperature [2000..7000]K	2000..7000	6500	judgment needs to be made. The maximum value must be greater than the minimum value.	
20	Colour temperature control type	Normal Directly(with warm/cool white algorithm)	Normal		① Normal: Send 1 byte of brightness and 2 bytes of color temperature value. ② Directly (with warm/cool white algorithm): It requires an internal algorithm to convert the brightness value + color temperature value into the brightness adjustment for warm white and cool white lights. This requires 2 1-byte objects for controlling the brightness of warm white and cool white lights. The calculation formulas for cool white and warm white lights are as follows: Warm light brightness value = Target brightness value * (Color temperature high threshold - Target color temperature value) / (Color temperature high threshold - Color temperature low threshold) Cool light brightness value = Target brightness value * (Target color temperature value - Color temperature low threshold) / (Color temperature high threshold - Color temperature low threshold)

21	Status feedback object	Brightness+Colour Temperature Warm/cool white brightness	Brightness+Colour Temperature	Directly(with warm/cool white algorithm)visible	For selecting the feedback state, you can choose whether to use "brightness + color temperature feedback" (to accurately communicate with other panels) or "cool white and warm white feedback" (to communicate with actuators).
22	Min. colour temperature [2000..7000]K	2000..7000	2700	When designing the database, judgment needs to be made. The maximum value must be greater than the minimum value.	Set the upper and lower threshold values for color temperature
23	Max. colour temperature [2000..7000]K	2000..7000	6500		
24	Object type short operation	None 1bit value[ON/OFF]=1 2bit/4bit value =3 1byte value[0..255]=4 2byte value[0..65535]=5 2byte float value=6 4byte value[0..4294967295]=7 4byte float value=8	1bit value[ON/OFF]		Short press/long press can send fixed values of a fixed type. When bound to mechanical buttons, it only occupies 1 button. Data types can be selected as 1 bit/2 bits/4 bits/1 byte/2 bytes/4 bytes. Short press/long press functionalities can be independently configured and can send different objects. When operating, either one value or two values are alternately sent.

25	Object datatype	2bit value[0..3] 4bit value[0..15]	4bit value[0..15]	2bit/4bit value display	
26	Reaction on short operation	OFF=1 ON TOGGLE	TOGGLE	1bit visible	
27	Reaction on short operation	Value 1=1 Alternating Value1/Value2=3	Value 1	2bit/4bit/1byte/2byte/4byte visible	
28	Value 1	0...3	3	2bit/4bit/1byte/2byte/4byte visible and displayed according to the object type	
29	Value 1	0...15	9		
30	Value 1	0...255	255		
31	Value 1	0…65535	65535		
32	Value 1	2byte float value	1000		
33	Value 1	0..4294967295	1000		
34	Value 1	4byte float value	1000		
35	Value 2	0...3	2	Only visible in Alternating Value1/Value2 and displayed according to the object type	
36	Value 2	0...15	1		
37	Value 2	0...255	0		
38	Value 2	0…65535	0		
39	Value 2	2byte float value	0		
40	Value 2	0..4294967295	0		

41	Value 2	4byte float value	0		
42	Object type long operation	None 1bit value[ON/OFF]=1 2bit/4bit value =3 1byte value[0..255]=4 2byte value[0..65535]=5 2byte float value=6 4byte value[0..4294967295]=7 4byte float value=8	None	None：Disable	
43	Object datatype	2bit value[0..3] 4bit value[0..15]	4bit value[0..15]	2bit/4bit value display	
44	Reaction on long operation	OFF=1 ON TOGGLE	TOGGLE	1bit visible	
45	Reaction on long operation	Value 1=1 Alternating Value1/Value2=3	Value 1	4bit/1byte/2byte/4byte visible	
46	Value 1	0...3	3	The previous parameter test>0 is	
47	Value 1	0...15	9		

48	Value 1	0...255	255	visible and displayed based on the object type	
49	Value 1	0…65535	65535		
50	Value 1	2byte float value	1000		
51	Value 1	0..4294967295	1000		
52	Value 1	4byte float value	1000		
53	Value 2	0...3	2	Visible only in Alternating Value1/Value2 and displayed based on object type	
54	Value 2	0...15	1		
55	Value 2	0...255	0		
56	Value 2	0…65535	0		
57	Value 2	2byte float value	0		
58	Value 2	0..4294967295	0		
59	Value 2	4byte float value	0		
60	Scene number [1..64]	1..64	1		Short press can trigger scene calls, and long press can choose whether to save the scene. When bound to mechanical buttons, it only occupies 1 button. Scene indication can be selected to support status feedback indication. When status feedback is disabled, the icon is defaultly lit. If enabled, it will be lit based on the object value.
61	Storage scene via long operation	Disable Enable	Disable	Display using checkbox	

62	Display function	Int. temperature value (DPT 9.001)=1 Int. humidity value (DPT 9.007) Ext. temperature value (DPT 9.001) Ext. humidity value (DPT 9.007) 1bit value (DPT 1.001)=5 1byte percent value (DPT 5.001) 1byte unsigned value (DPT 5.010) 2byte unsigned value (DPT 7.001) 2byte lux value (DPT 9.004) 2byte float value (DPT 9.x) 4byte unsigned value	Int. temperature value (DPT 9.001)		Supports information display for the following functionalities: Supports 1-bit data: The display description for the on and off states can be customized (2 Chinese characters or 4 English characters), for example, used to display presence, lock switch, window switch, power switch, etc. Supports 1-byte percentage data. Supports 1-byte integer data. Supports 2-byte integer data. Supports 2-byte floating-point data. (The display description currently only supports 1-bit, the types need to be fully designed and compatible with future updates.) Cannot be bound to mechanical buttons.

		(DPT12.001) 4byte float value (DPT14.x) 14byte value (DPT16.001)			
63	Status text for 1-ON	text	ON	1bit display	
64	Status text for 0-OFF	text	OFF		
65	Text for unit	text	% or °C/°F	1byte percent value (DPT 5.001) Int. humidity value (DPT 9.007) Ext. humidity value (DPT 9.007) or Int. temperature value (DPT 9.001) Ext.	

				temperatu re value (DPT 9.001)	
66	Text for unit	text	\	when 1byte unsigned value (DPT 5.010) 2byte unsigned value (DPT 7.001) 2byte lux value (DPT 9.004) or 2byte float value (DPT 9.x) or 4byte unsigned value (DPT12.0 01) or 4byte float value (DPT14.x) Display (unit descriptio n)	
67	Text for unit	text	null		
68	Time period for request external value [0...255]min	0..255	10	when Int. temperatu re value (DPT 9.001) or Int.	The time period for requesting external data. The data of this device does not support being requested.

				humidity value (DPT 9.007) or 14byte value (DPT16.0 01) notdisplay	
69	Interface display temperature	Setpoint temperatu re Actual temperatu re	Actual temperat ure	Hide	Under normal circumstances, the interface displays the set temperature, not the indoor temperature. If the indoor temperature is displayed, the first press of the set temperature button only wakes up the device and does not send any messages.
70	Room temperature reference from	Internal sensor=1 External sensor=2	Internal sensor	Actual temperatu re visible	\The room temperature display can be sourced from a local temperature sensor or an external temperature sensor on the bus.
71	Time period for request external sensor [0...255]min	0…255	10	External sensor=2 visible	time interval for requesting the room temperature;Upon device restart, a read request is sent by default.
72	Object datatype of setpoint	Value in °C (DPT_5.0 10) Float value in °C (DPT_9.0 01)	Float value in °C(D PT_9.00 1)		The option to choose between 2-byte standard KNX temperature data or 1-byte actual temperature data is available.
73	Setpoint temperature adjustment step	0.5K 1K	1K	It also needs to be displayed when selecting the integer type. It	The temperature adjustment can be set in increments of 0.5 or 1 degree.

				only reads 1K and is not selectable.	
74	Min. setpoint temperature [16..32]°C	16°C=16 17°C=17 .. 32°C	16	When designing the database, judgment needs to be made. The maximum value must be greater than the minimum value.	The allowed range for setting the temperature can be configured between 16 to 32 degrees.
75	Max. setpoint temperature [16..32]°C		32		
76	Vanes swing	Disable Enable	Disable	Display using checkbox	The device supports the fan function.
77	Timer	Disable Enable	Disable	Display using checkbox	The device supports the timer switch function, which can be set by the user on the screen. The timer function can only be temporarily disabled on the bus. For the temperature control/air conditioning timer function, a power-on command needs to be sent for both the timer mode and temperature setting.
78	Scene	Disable Enable	Disable	Display using checkbox	The device supports built-in scene functions, which can be associated with switches, modes, fan speeds, and set temperatures. A message interval delay setting is required (disable/100ms/300ms/500 ms).
79	Send delay between telegrams	Disable 100ms 300ms 500ms	100ms	Visible when scene Enable	

80	Protection setting				The device supports function protection, which means that certain functions are only displayed and not accessible to the user. For function protection, it only applies to the user not being able to operate the screen or shortcut keys, but received data will still be processed.
81	ON/OFF protection	Disable Enable	Disable	If it is swing, it needs to be visible when sweep is enabled. Use checkbox display	
82	Setpoint protection	Disable Enable			
83	Mode protection	Disable Enable			
84	Fan protection	Disable Enable			
85	Vanes swing protection	Disable Enable			
86	Auto mode	Disable Enable	Enable	1byte type, mode enables display of corresponding parameters disable/enable is displayed using checkbox	The device supports heating, cooling, dehumidification, fan, and auto mode, all of which can be independently enabled/disabled.
87	Output value for auto [0..255]	0...255	0		
88	Status value for auto [0..255]	0...255	0		
89	Heating mode	Disable Enable	Enable		
90	Output value for heating [0..255]	0...255	1		
91	Status value for heating [0..255]	0...255	1		
92	Cooling mode	Disable Enable	Enable		

93	Output value for cooling [0..255]	0...255	3		
94	Status value for cooling [0..255]	0...255	3		
95	Fan mode	Disable Enable	Enable		
96	Output value for fan [0..255]	0...255	9		
97	Status value for fan [0..255]	0...255	9		
98	Dehumidifi cation mode	Disable Enable	Enable		
99	Output value for dehumidific ation [0..255]	0...255	14		
100	Status value for dehumidific ation [0..255]	0...255	14		
101	Fan	~~0~~ ~~1~~	~~1~~	It is visible only when the mode is enabled and 1bit is enabled, and the same is true for object display.	

102	Object datatype of 1byte fan speed	Fan stage (DPT_5.100) Percentage (DPT_5.001)	Percentage (DPT_5.001)		1byte wind speed
103	Fan speed auto function	Disable Enable	Enable	Use checkbox display. When enabled, the following auto parameters are displayed (output and status)	The object type for the 1-byte fan speed is configurable. When selected, the interface will display an auto fan speed icon.
104	Output value for fan speed				
105	Output value for fan speed auto	0...255 0..100%	0	Parameter options are displayed based on the object type of the previous parameter	The device supports auto, low, medium, and high fan speeds.
106	Output value for fan speed low		1 33%		
107	Output value for fan speed medium		2 67%		
108	Output value for fan speed high		3 100%		
109	Status feedback for fan speed				

110	Status value for fan speed auto	0...255 0..100%	0		
111	Status value for fan speed low		1 33%		
112	Status value for fan speed medium		2 67%		
113	Status value for fan speed high		3 100%		
114	Scene			This page is visible when the scene is Enable	
115	1->Assign scene NO.[1..64,0 =inactive]	0..64	0		
116	ON/OFF	Unchange OFF ON	Unchange	The scene number test>0 is displayed, If the first parameter here is OFF, the other three parameters will not be displayed, the same below.	The commands for power switch, temperature, mode, and fan speed are sent in sequence. If a new command arrives during the delay period and the previous command has not been executed, the new command will be executed while the unexecuted operation is ignored.
117	Temperature	Unchange =0 16°C=16 17°C .. 32°C	Unchange		
118	Mode	Unchange Auto Heating Cooling Fan Dehumidification	Unchange		
119	Fan	Unchange Auto Low Medium High	Unchange		

120	2->Assign scene NO.[1..64,0 =inactive]	0..64	0		
121	ON/OFF	Unchange OFF ON	Unchange	The scene number test>0 is displayed,	
122	Temperature	Unchange 16°C 17°C .. 32°C	Unchange		
123	Mode	Unchange Auto Heating Cooling Fan Dehumidification	Unchange		
124	Fan	Unchange Auto Low Medium High	Unchange		
125	3->Assign scene NO.[1..64,0 =inactive]	0..64	0		
126	ON/OFF	Unchange OFF ON	Unchange	The scene number test>0 is displayed,	
127	Temperature	Unchange 16°C 17°C .. 32°C	Unchange		
128	Mode	Unchange Auto Heating Cooling Fan Dehumidification	Unchange		
129	Fan	Unchange Auto Low Medium High	Unchange		

130	4->Assign scene NO.[1..64,0 =inactive]	0..64	0		
131	ON/OFF	Unchange OFF ON	Unchan ge	The scene number test>0 is displayed,	
132	Temperatur e	Unchange 16°C 17°C .. 32°C	Unchan ge		
133	Mode	Unchange Auto Heating Cooling Fan Dehumidi fication	Unchan ge		
134	Fan	Unchange Auto Low Medium High	Unchan ge		
135	5->Assign scene NO.[1..64,0 =inactive]	0..64	0		
136	ON/OFF	Unchange OFF ON	Unchan ge	The scene number test>0 is displayed,	
137	Temperatur e	Unchange 16°C 17°C .. 32°C	Unchan ge		
138	Mode	Unchange Auto Heating Cooling Fan Dehumidi fication	Unchan ge		

139	Fan	Unchange Auto Low Medium High	Unchange		
140	The setpoint is less than minimum,so minimum will regard as setpoint in fact.			When designing the database, compare the set temperature value with the minimum and maximum set temperatures in the scene. Display the corresponding prompt if one or more of them exceed the range.	
141	The setpoint is greater than maximum,so maximum will regard as setpoint in fact.				
142	Controller from	Local Bus	Local		Choose whether the controller is local or external. If local is chosen, there is no need to send read requests for set temperature, control mode, and operation mode when powered on or bus recovery (because the device cannot respond to its own requests).
143	Room temperature reference from	Internal sensor=1 External sensor=2	Internal sensor	Actual temperature visibility	Reference temperature source. Option to choose between local temperature sensor or external

					temperature sensor on the bus.
144	Time period for request external sensor [0...255]min	0…255	10	Visible when External sensor = 2.	Set the time period for this device to send temperature read requests to the external temperature sensor after bus reset or programming is complete.
145	Power on/off after download	OFF=1 ON=2	OFF		Define the switch controlled by the RTC (Real-Time Clock) after downloading is complete.
146	Power on/off after voltage recovery	OFF=1 ON=2 Before voltage failure=3	Before voltage failure		Define the switch controlled by the RTC after power-on reset.
147	Object datatype of setpoint adjustment	1bit (DPT_1.007) 2byte (DPT_9.001)	2byte (DPT_9.001)		Set the adjustment method for the set temperature, choose between sending a 1-bit offset or absolute temperature.
148	Setpoint temperature adjustment step	0.5K 1K	0.5K	Visible when 2-byte is selected.	Optional 0.5 or 1 degree step adjustment.
149	Min. setpoint temperature [5..37]°C	5°C=5 6°C=6 .. 37°C	10	When designing the database, make sure the maximum value is greater than the minimum value.	This is used to limit the adjustable range of the set temperature. The minimum value set must be less than the maximum value. If the temperature set value exceeds the limit range, it will be output according to the limit value.
150	Max. setpoint temperature [5..37]°C		32		
151	Control mode	Heating Cooling Heating and Cooling	Heating		Supports three types: heating, cooling, and heating/cooling.

152	Operation mode	Disable Enable	Disable	Displayed using checkboxes	Room operation mode supports four modes: comfort, standby, energy-saving, and protection. Supports 1-byte data type.
153	Fan	Disable Enable	Disable	Displayed using checkboxes	Enable fan speed control. When enabled, the fan speed setting page is visible.
154	Timer	Disable Enable	Disable	Displayed using checkboxes	Supports timer switch function (user can set the time on the screen). Bus can only temporarily disable the timer function. Temperature control/air conditioning timer function: both timing mode and temperature mode require sending power-on instructions.
155	Scene	Disable Enable	Disable	Displayed using checkboxes	Enable scene function, can be associated with switch, operation mode/set temperature. When enabled, the scene setting page is visible.
156	ON/OFF protection	Disable Enable	Disable	Control mode protection is visible when Heating and Cooling is selected. Operation mode and fan protection are only visible when the correspon	Supports function protection (each function can be independently protected), meaning some functions are only displayed but not operable by the user. For function protection, it is only about the user not being able to operate the screen, but the received data will still be processed.
157	Setpoint protection	Disable Enable			
158	Control mode protection	Disable Enable			
159	Operation mode protection	Disable Enable			

160	Fan protection	Disable Enable		ding function is enabled. Display using checkbox	
161	Fan			Visible when Fan is enabled on this page.	
162	Object datatype of 1byte fan speed	Fan stage (DPT_5.100) Percentage (DPT_5.001)	Percentage (DPT_5.001)	—	Set the data point type for the 1-byte fan speed object, and the parameters below will be displayed based on the object type.
163	Output value for fan speed			Parameter options are displayed based on the object type of the previous parameter When designing the database, make sure the output value size is correct: low fan speed < medium fan speed < high fan speed, otherwise data cannot be input.	Define the values sent when switching to each fan speed. 0 means fan off.
164	Output value for fan speed low	1…255 1..100%	1 33%		
165	Output value for fan speed medium		2 67%		
166	Output value for fan speed high		3 100%		
167	Status feedback for fan speed				Set the status feedback values for each fan speed. The device will also update the display based on the feedback value. 0 means fan off.
168	Status value for fan speed low	1…255 1..100%	1 33%		
169	Status value for fan speed medium		2 67%		
170	Status value for fan speed high		3 100%		

171	Automatic operation function	Disable Enable	Disable	Display using checkbox	Enable automatic control of fan speed.
172	Scene			Visible when enabled in the scene.	
173	1->Assign scene NO.[1..64,0 =inactive]	0..64	0	The following three parameter s are visible when the scene number (test) > 0.	The scene can be called and saved, and it will be saved even in case of power loss.
174	ON/OFF	Unchange OFF ON	Unchan ge		
175	Temperatur e	Unchange =0 5°C=5 6°C=6 .. 37°C	Unchan ge	Visible when the operation mode is disabled.	
176	Operation mode	Unchange Comfort mode=1 Standby mode=2 Economy mode Frost/heat protection	Unchan ge	Visible when the operation mode is disabled.	
177	2->Assign scene NO.[1..64,0 =inactive]	0..64	0		
178	ON/OFF	Unchange OFF ON	Unchan ge		
179	Temperatur e	Unchange =0 5°C=5 6°C=6 .. 37°C	Unchan ge	Visible when the operation mode is disabled.	

180	Operation mode	Unchange Comfort mode=1 Standby mode=2 Economy mode Frost/heat protection	Unchange	Visible when the operation mode is disabled.	
181	3->Assign scene NO.[1..64,0=inactive]	0..64	0		
182	ON/OFF	Unchange OFF ON	Unchange		
183	Temperature	Unchange=0 5°C=5 6°C=6 .. 37°C	Unchange	Visible when the operation mode is disabled.	
184	Operation mode	Unchange Comfort mode=1 Standby mode=2 Economy mode Frost/heat protection	Unchange	Visible when the operation mode is disabled.	
185	4->Assign scene NO.[1..64,0=inactive]	0..64	0		
186	ON/OFF	Unchange OFF ON	Unchange		
187	Temperature	Unchange=0 5°C=5 6°C=6 .. 37°C	Unchange	Visible when the operation mode is disabled.	
188	Operation mode	Unchange Comfort mode=1 Standby	Unchange	Visible when the operation mode is	

		mode=2 Economy mode Frost/heat protection		disabled.	
189	5->Assign scene NO.[1..64,0 =inactive]	0..64	0		
190	ON/OFF	Unchange OFF ON	Unchange		
191	Temperature	Unchange =0 5°C=5 6°C=6 .. 37°C	Unchange	Visible when the operation mode is disabled	
192	Operation mode	Unchange Comfort mode=1 Standby mode=2 Economy mode Frost/heat protection	Unchange	Visible when the operation mode is disabled.	
193	The setpoint is less than minimum,so minimum will regard as setpoint in fact.			When designing the database, compare the temperature setting value with the minimum/ maximum set temperature in the scene. If one or more of them exceeds the range, display	
194	The setpoint is greater than maximum,so maximum will regard as setpoint in fact.				

				the correspon ding prompt.	
195	Power on/off after download	OFF=1 ON=2	OFF		Define the switch for ventilation control after download completion.
196	Power on/off after voltage recovery	OFF=1 ON=2 Before voltage failure=3	Before voltage failure		Define the switch for ventilation control after power-on reset.
197	Default fan speed after ventilation on	Low=2 Medium=3 High=4 Last status=5	Low		Set the initial air speed when ventilation is turned on.
198	Object datatype of 1byte fan speed	Fan stage (DPT_5.100) Percentage (DPT_5.001)	Percentage (DPT_5.001)	Options are displayed based on the object type of the parameter.	Set the data point type of the 1 byte air speed object, and the parameters below will be displayed based on the data point type.
199	Output value for fan speed				
200	Output value for fan speed low	1...255 1..100%	1 33%		When the data type of air speed is "1 byte" visible, define the feedback value for each air speed. Value 0 indicates air speed off.
201	Output value for fan speed medium		2 67%		
202	Output value for fan speed high		3 100%		
203	Status feedback for fan speed				When the data type of air speed is "1 byte" visible, define the feedback value for each air speed. Value 0 indicates air speed off.
204	Status value for fan speed low	1...255 1..100%	1 33%		

205	Status value for fan speed medium		2 67%		
206	Status value for fan speed high		3 100%		
207	Automatic operation function	Disable Enable	Disable	Display using checkbox	Auto air speed, send 1 when triggered, send 0 when cancelled.
208	Heat recovery function	Disable Enable	Disable		
209	Filter timer counter	Disable Enable	Disable	Display using checkbox	
210	Evaluation time [100..10000]h	100...100 00	1000	Visible when the previous parameter is enabled	
211	Scene function	Disable Enable	Disable	Display using checkbox	
212	Scene			This page is visible when the scene is Enable	
213	1->Assign scene NO.[1..64,0 =inactive]	0..64	0	The following two parameter s are displayed in scene number test>0	

214	Fan	Unchange OFF Low Medium High	Unchan ge		
215	Heat recovery	Unchange OFF ON	Unchan ge	Displayed when heat exchange is enabled. Not displayed when the previous parameter air speed is off.	
216	2->Assign scene NO.[1..64,0 =inactive]	0..64	0	The following two parameter s are displayed when the scene number test > 0	
217	Fan	Unchange OFF Low Medium High	Unchan ge		
218	Heat recovery	Unchange OFF ON	Unchan ge	Displayed when heat exchange is enabled.	
219	3->Assign scene NO.[1..64,0 =inactive]	0..64	0	The following two parameter s are displayed in scene number test>0	

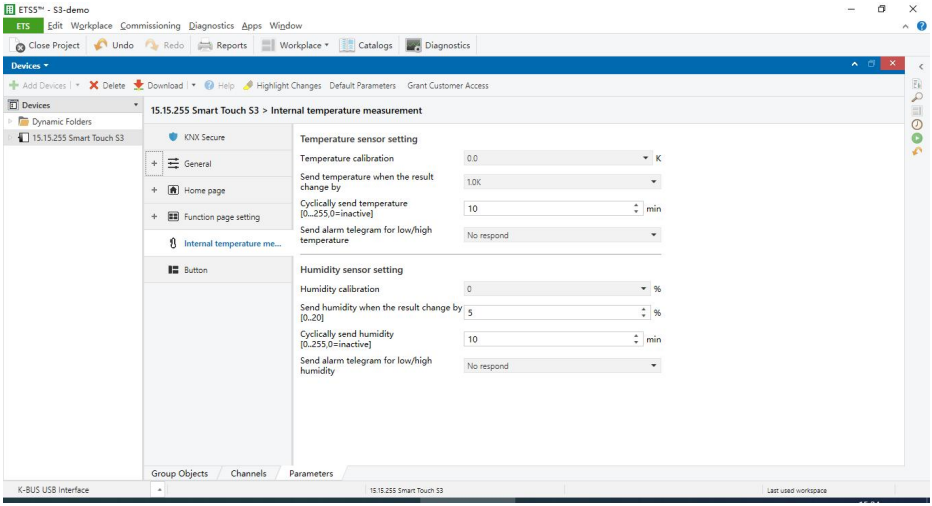
220	Fan	Unchange OFF Low Medium High	Unchan ge		
221	Heat recovery	Unchange OFF ON	Unchan ge	Displayed when heat exchange is enabled.	
222	4->Assign scene NO.[1..64,0 =inactive]	0..64	0	The following two parameter s are displayed in scene number test>0	
223	Fan	Unchange OFF Low Medium High	Unchan ge		
224	Heat recovery	Unchange OFF ON	Unchan ge	Displayed when heat exchange is enabled	
225	5->Assign scene NO.[1..64,0 =inactive]	0..64	0	The following two parameter s are displayed in scene number test>0	
226	Fan	Unchange OFF Low Medium High	Unchan ge		
227	Heat recovery	Unchange OFF ON	Unchan ge	Displayed when heat exchange is enabled	

228	Power on/off	Disable Enable	Enable	Display using checkbox	Used to select whether the power on/off function is activated. When disabled, the power switch icon on the screen is not visible.
229	Power on/off status after download	OFF=1 ON=2	OFF	Enable visible	Power on/off status after downloading and restarting.
230	Power on/off status after voltage recovery	OFF=1 ON=2 Before voltage failure=3	OFF		Power on/off status after power loss and restoration.
231	Number of object for play/pause control	One object=1 Two objects=0	One object		Choose whether to use a shared object or separate objects for play/pause functionality.
232	Control mode of volume adjustment	1Bit (relative control)=1 1Byte (absolute control)=2	1Bit (relative control)		Select the data type for volume adjustment: 1 bit or 1 byte. If 1 bit, support volume increase/decrease and mute functions. If 1 byte, only support volume adjustment with 1 byte object and can set the maximum volume (value range: 10-100%).
233	Object datatype	Percentage (DPT_5.001) Percentage (DPT_5.004)	Percentage (DPT_5.001)	1 byte visible	Data type for 1 byte volume adjustment.
234	Max. volume value [10..100]%	10..100	100		Set the maximum adjustable volume value.
235	Mute	Disable Enable	Disable	Display using checkbox	Enable mute function. When enabled, the object is visible.

236	Track name	Disable Enable	Disable	Display using checkbox	Enable track name. When enabled, the object is visible. Character encoding of the message and its association with the interface language. Use UTF-8 for Simplified Chinese and ISO8859 for other languages.
237	Artist name	Disable Enable	Disable	Display using checkbox	Enable artist name. When enabled, the object is visible. Character encoding of the message and its association with the interface language. Use UTF-8 for Simplified Chinese and ISO8859 for other languages.
238	Album name	Disable Enable	Disable	Display using checkbox	Enable album name. When enabled, the object is visible. Character encoding of the message and its association with the interface language. Use UTF-8 for Simplified Chinese and ISO8859 for other languages.
239	Play mode	Disable Enable	Enable	When enabled, the following parameters are only visible	Set control values and status values for various play modes. Single loop, sequential play, random play.
240	Play in single cycle mode	Disable Enable	Enable	Display using checkbox	
241	Output value for play in single cycle	0…255	1	Enable display based on parameters	
242	Status value for play in single cycle	0…255	1		

243	Play in order mode	Disable Enable	Enable	Display using checkbox	
244	Output value for play in order	0…255	2	Enable display based on parameters	
245	Status value for play in order	0…255	2		
246	Play in random mode	Disable Enable	Enable	Display using checkbox	
247	Output value for play in random	0…255	3	Enable display based on parameters	
248	Status value for play in random	0…255	3		

6. 4 Internal temperature measurement



6.4.1 Temperature sensor setting

Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Temperature calibration	-5.0K -4.5K -4.0K -3.5K -3.0K -2.5K -2.0K -1.5K -1.0K -0.5K 0.0K 0.5K 1.0K 1.5K 2.0K 2.5K 3.0K 3.5K 4.0K 4.5K 5.0K	0.0K		temperature calibration
2	Send temperature	Disable/0.5/1.0/1.5	1		Not sent when Disabled

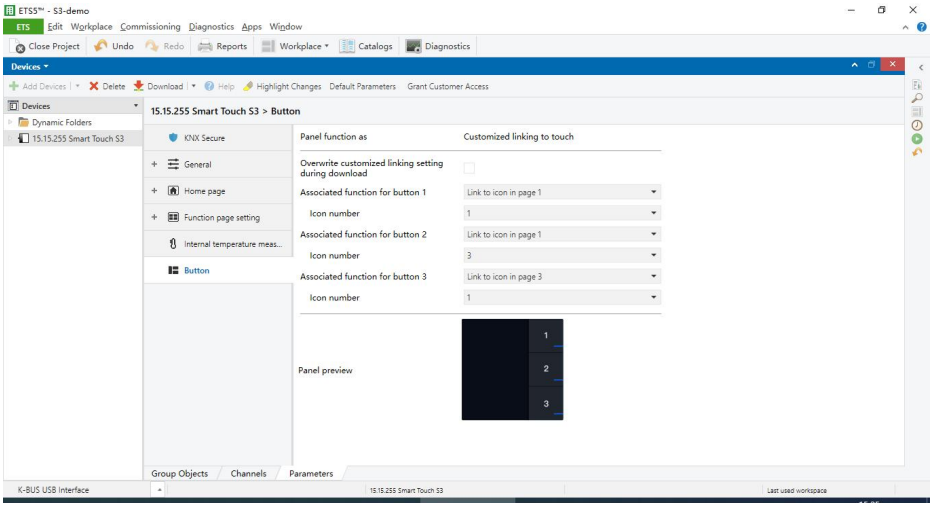
	when the result change by	/.../10K			
3	Cyclically send temperature [0...255,0=inactive]min	0...255	10		Not sent at 0
4	Send alarm telegram for low/high temperature	No respond Respond after read only Respond after change	No respond		
5	Threshold value for low temperature alarm [0..15]°C	0°C =0 1°C = 1 ... 15°C =15	0	Respond after read only or Respond after change visible	Set low temperature alarm threshold The low temperature alarm object issues an alarm when the temperature falls below the low threshold.
6	Threshold value for high temperature alarm [30..45]°C	30°C=30 31°C=31 ... 45°C=45	45		Set high temperature alarm threshold When the temperature is higher than the high threshold, the high temperature alarm object issues an alarm.

6.4.2 Humidity sensor setting

Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Humidity calibration	-20% -15% -10% -5% -3% -1% 0% 1% 3% 5% 10% 15% 20%	0%		Humidity calibration
2	Send humidity when the result change by [0..20]%	0...20	5		Not sent at 0
3	Cyclically send humidity [0..255,0=inactive]min	0...255	10		Not sent at 0

4	Send alarm telegram for low/high humidity	No respond Respond after read only Respond after change	No respond		
5	Threshold value for low humidity alarm [5..20]%	5...20	5	Respond after read only or Respond after change visible	Set low temperature alarm threshold The low temperature alarm object issues an alarm when the temperature falls below the low threshold.
6	Threshold value for high humidity alarm [70..85]%	70...85	85		Set high temperature alarm threshold When the temperature is higher than the high threshold, the high temperature alarm object issues an alarm.

6.5 Button



Serial number	Parameter	Optional	Default value	Remarks	Parameter description
1	Overwrite customized linking setting during download	No	Display using checkbox	Shown under Customized linking to touch	If the parameter is enabled, the shortcut function links on the screen will be pre-configured by the database whenever there is a change in the content of the database memory parameters. This is not needed if only downloading the address, and this difference is very important. If the parameter is not

					enabled, the shortcut links need to be configured by polling the keys. If a shortcut link is already configured for each key, there is no need to make changes. If there is no shortcut link configured, the pre-configured link in the database will be used as the initial link function for the key. If the database is uninstalled, the shortcut pre-configuration for the keys also needs to be cleared simultaneously.
2	Associated function for button	None	Options are related to the number of pages		
3	Icon number	1	Visible when Link to icon in page x is selected, the icon number is		When the panel is used as a shortcut key, ETS can preset a function link for each key, which can be linked to an icon on a page. If the selected function point does not match the logical definition of the link, it is considered an invalid

			displayed according to the number of icons in the page		configuration. These links can be modified through the app. If the key is bound to a scene, pressing the key directly executes the scene and there will be a voice prompt indicating whether the scene execution is successful or not. If the scene is offline, it will prompt "Scene is offline"; If the key is bound to a device with only on/off function, pressing the key directly executes the on or off action based on the current state of the bound device (e.g., if the light is currently off, pressing the key will execute the on action), and if the device is offline, it will prompt "Device is offline"; (For devices with on/off and relative dimming functions, value sending, curtain functions, in

					addition to on/off, other functions are triggered by long or short pressing the button, and the long or short pressing operation follows the length of the icon, including the duration of the long operation) If the key is bound to a device with functions other than on/off, pressing the key directly enters the detailed operation page of that device (e.g., air conditioning, temperature control, fresh air, background music, RGB/RGBW/RGBCW/dimming control). The link for status display is invalid.