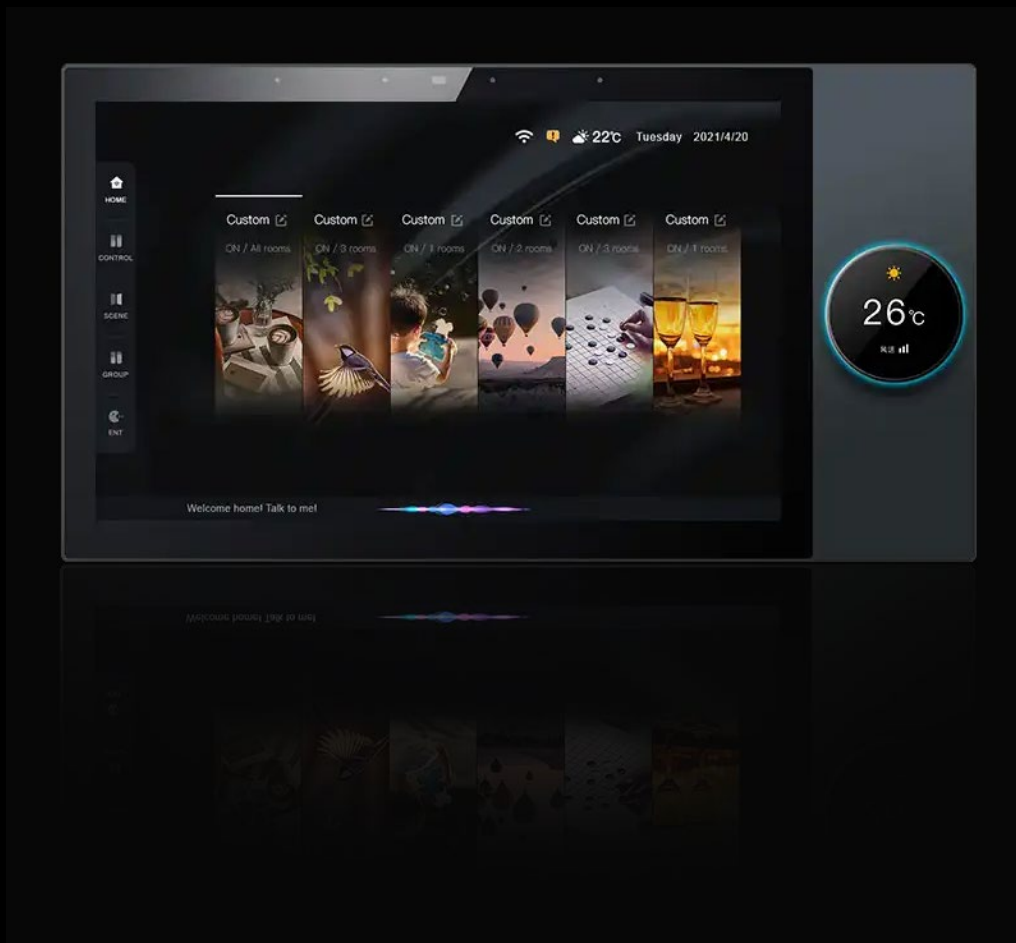




Teralux Nexus Panel 8 Inch Zigbee Gateway User Manual



Teralux Office

Komp. Ruko Harmoni Mas, Jl. Jemb. Dua Raya
No.15 blok A, RT.1/RW.3, Pejagalan, Penjaringan,
North Jakarta City, Jakarta 14450

Teralux Nexus Panel 8 Zigbee Gateway

Nexus Panel 8 Knob Zigbee Gateway is an 8-inch smart touchscreen control panel designed as a central hub for Tuya-based smart homes. Featuring a built-in Zigbee gateway, it connects and manages over 100 smart devices including lighting, curtains, air conditioners, and wall switches through the Smart Life app. The panel also integrates high-quality music playback with dual 20W audio output, supporting multiple audio formats via AUX, USB, or TF card.

With multi-language support, customizable interface options, and remote app control, the Nexus Panel 8 Knob delivers both intelligent home control and immersive audio in one sleek device.

Features

Acts as a central Zigbee hub, allowing stable and seamless control of over 100 Tuya-compatible smart home devices without the need for an external gateway.

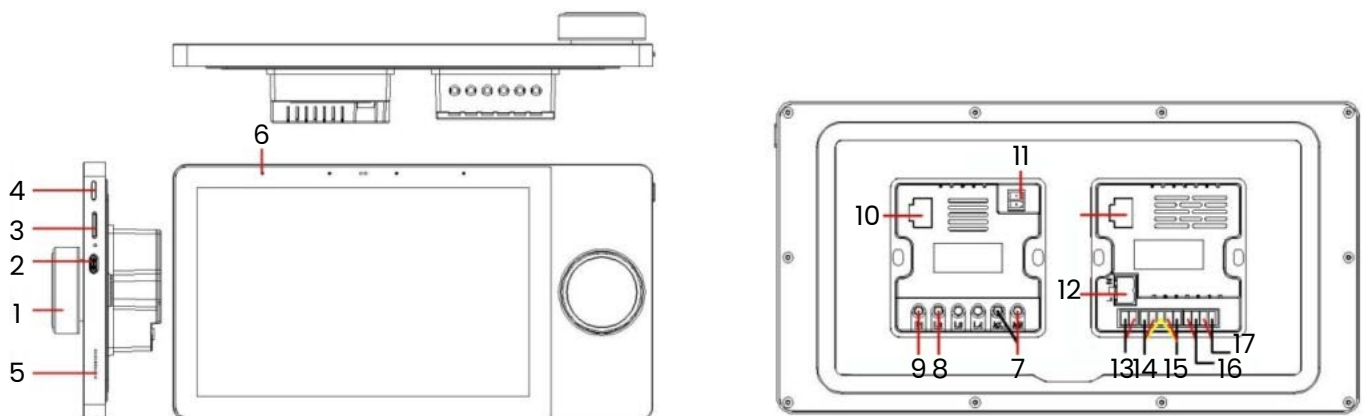
Features a responsive 8-inch capacitive touchscreen combined with a physical knob for intuitive control, delivering both modern interaction and precise adjustments.

Equipped with dual 20W audio output and wide audio format support, enabling high-quality music playback through AUX, USB, or TF card for an immersive home audio experience.

Fully compatible with Smart Life and Tuya apps, allowing users to control lighting, climate, curtains, and other devices remotely from anywhere.

Offers personalized screen saver settings, multi-language support, and flexible customization options to adapt the interface to different user preferences and projects.

Mechanical Structure



- 1 Knobs: according to the software design you can adjust the lights, AC, curtains, volume, etc.
- 2 Micro USB: external U disk; maximum support 32G
- 3 TF card, TF card can be inserted, maximum support 32G.
- 4 Buttons: long press to turn on/off, short press to lock screen/receive key.
- 5 Internal speaker: built-in 2W small speaker, equipped with its own speaker.
- 6 Microphone: for voice pickup.

- | | |
|---|--|
| <p>7 Power supply: connect to AC220V PSU (mainly to power electrical devices).</p> <p>8 Lighting and other electrical device connecting terminals.</p> <p>9 Lighting and other electrical device connecting terminals.</p> <p>10/18 Wired network port (Cannot be used simultaneously).</p> <p>11/13 485 interface: connect 485A+485B to the smart central system to achieve 485 control.</p> | <p>12 Power supply: connect to AC90–220V power supply, mainly to power the amplifier.</p> <p>13 Audio input line: audio line</p> <p>14 Audio output: audio cable</p> <p>15 Speaker: speaker cable</p> <p>16 Speaker: speaker cable</p> |
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Installation Instructions

Install the back cover (80 × 80 × 57 mm) by attaching two sheets in advance. The depth of the back cover is 57 mm, ensuring sufficient space for wiring and mounting.

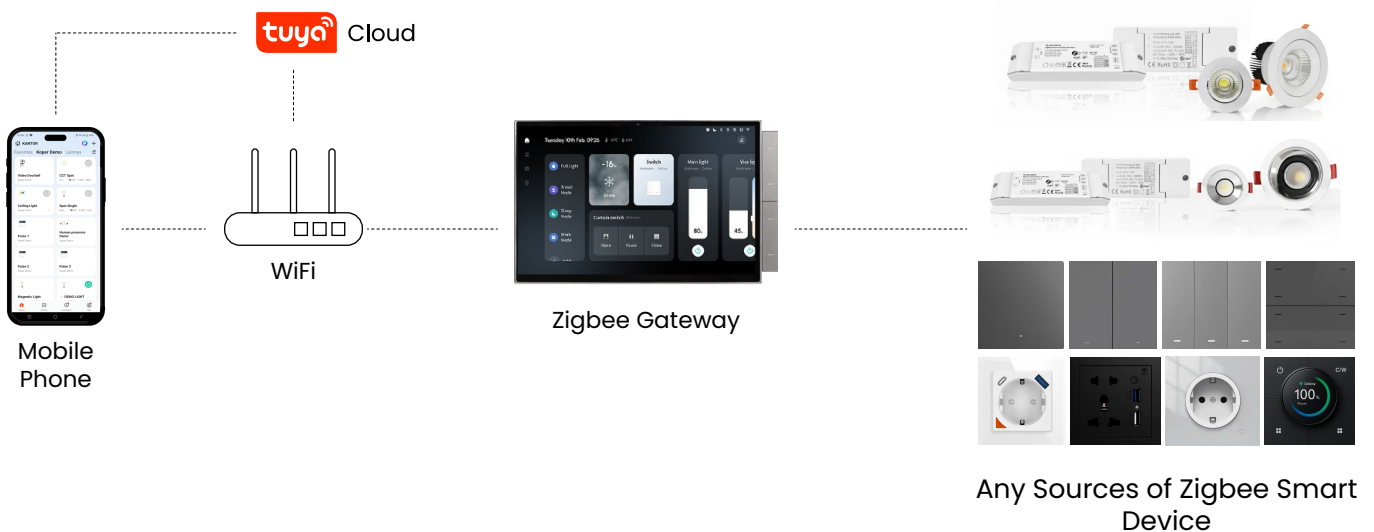
Secure the mounting bracket onto the back cover using the provided bracket screws. Make sure the bracket is firmly fixed before proceeding with device installation.

Route and secure the cables inside the back cover, then connect them to the corresponding function terminals on the device. After wiring, insert the terminals into the terminal posts, place the device into the bracket, and press down until it is securely seated.

This product supports the use of multi-strand copper wire, coaxial cable, audio cable, and speaker cable. Always ensure that the correct cable type is used for each connection.

For safety and proper operation, consult the supplier during installation. Do not attempt to repair or modify the device without authorization. If repairs are required, they must be carried out by qualified personnel approved by the supplier.

System Diagram



Pairing Guide

After mounting the Smart Control Panel on the wall and powering it up, it will enter the boot guide page. Follow the on-screen prompts to:

Choose the Connection (Wi-Fi/Other)



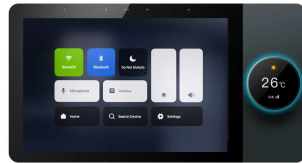
Use Tuya App to scan and bind



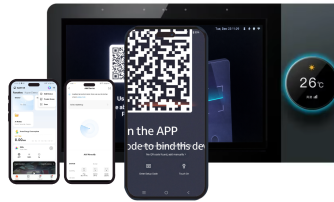
Device Ready



Scroll down to open the menu



Connect to nearby connection

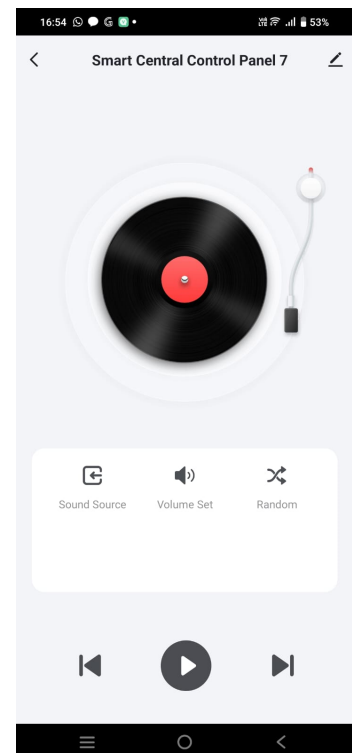
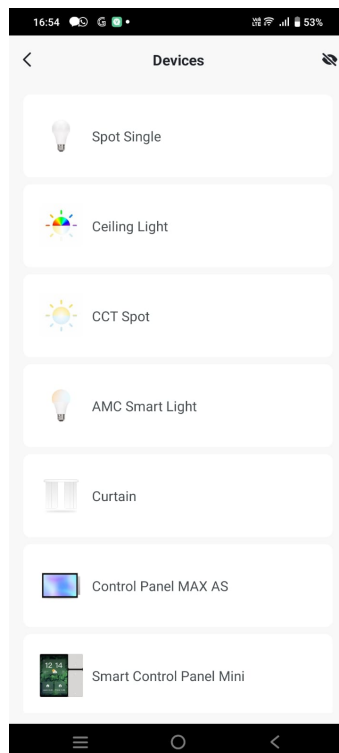
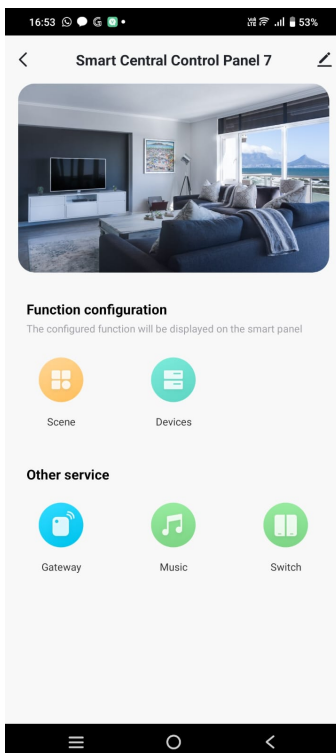


Scan via Tuya App



Device Ready

Mobile Interface Tuya App



Technical Parameter

Teralux Nexus Panel 8 Inch Zigbee Gateway

Control smart devices effortlessly using voice commands. Easily link more than 100 devices. Interact with visitors directly through the panel. Adjust language preferences for worldwide compatibility.

Attribute	Parameter	Specification
Product Attributes	Product Type	Zigbee Protocol Gateway Smart Home
	Chip Architecture	Quad-core ARM Cortex™-A55
	Network	Wi-Fi & LAN Supported
	Screen	8 Inch TFT 1280x800 multi capacitive touch
	Wireless Protocol	Wi-Fi, Bluetooth, Zigbee, 485
	Music Support	Spotify, External-Audio, Local Music
	Switch	4 Gang + 1 Knob
Technical Parameter	Power Input	110 ~ 250 VAC 50/60Hz, LN Wire
	External Speakers	Type Impedance 4-8Ω , 25W
	Amplifier Interface	L--, L+, R--, R+
	Audio Input	AUX
Package	Dimension	235x112x12 mm





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