Tuya F6 Control Panel

6-INCH SMART CONTROL PANEL - AMPLIFIER

6-inch IPS | 2 x 25W | Zigbee Gateway

TECHNICAL DATASHEET

English | Reference edition v1.0

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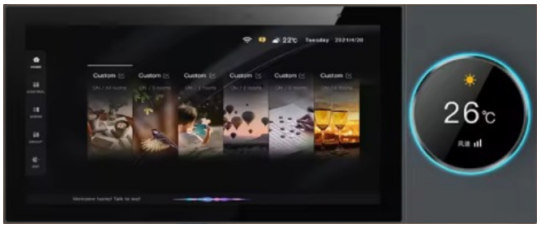
Branded reference copy - Tuya F6 6-inch Control Panel (Amplifier version)



SMART HOME • CONTROL PANEL • AMPLIFIER VERSION

Tuya F6 Control Panel

6-Inch Smart Control Panel with Built-in Amplifier

A 6-inch IPS smart control panel at 1440 x 720 resolution, running Android 8.1, with WiFi, Zigbee and Bluetooth plus a built-in Zigbee gateway. The amplifier version plays music through external speakers with up to 2 x 25W output, and supports RJ45, RS485, USB and TF card.

6-inch IPS Touch

1440 x 720 resolution, Android 8.1.

2 x 25W Amplifier

Maximum output per channel; 4-8 Ohm speakers.

Built-in Zigbee Gateway

Connects and manages compatible Zigbee devices.

Smart Life / Tuya | Alexa / Google Assistant | WiFi | Zigbee | Bluetooth | RS485 / RJ45

Key Features

6-inch IPS Screen

Touch display for menus, control interfaces and scenes.

Built-in Zigbee Gateway

Connects and manages compatible Zigbee devices from the panel.

Built-in Amplifier

Drives external 4-8 Ohm speakers; plays media from USB 2.0 and TF cards up to 32GB.

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Technical Specifications

Item	Specification
PRODUCT	
Brand	Tuya
Model	F6
Product type	6 Inch Smart Control Panel
Version	Amplifier (speaker) version
Installation method	Wall-mounted
SCREEN & SYSTEM	
Screen size	6 Inches IPS
Screen resolution	1440 x 720
Operating system	Android 8.1
Memory	1GB RAM + 8GB ROM
Microphones	2 Microphones
AUDIO & MEDIA	
Audio output power	2 x (10-25W)
Speaker impedance	4-8 Ohm
Media port	USB 2.0
Memory card	TF Card up to 32GB
CONNECTIVITY & POWER	
Connectivity	WiFi / Bluetooth / Zigbee / RS485
Network port	RJ45
Zigbee gateway	Built-in
Input power	110-250V AC
Dimensions	208 x 86 x 11.5 mm
CERTIFICATIONS & PLATFORM	
Certifications	CE / RoHS
Platform	Tuya Smart

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How It Works

1. Installation & Connection

Wall-mounted, powered at 110-250V AC and connected via WiFi or wired RJ45.

2. Device Linking

Pair compatible Zigbee devices with the built-in gateway and organize them into groups and scenes via the app.

3. Control & Music

Control lighting and curtains, run scenes from the touchscreen and play music through connected speakers.

Operating Features

Devices & Scenes

Manages compatible lighting and smart curtains and runs scenarios from one central point.

Multiple Connections

WiFi, Bluetooth, Zigbee, RS485 interface and RJ45 wired network port.

Two Built-in Microphones

For the available voice functions.

Applications

Smart Apartments & Villas | Living Rooms | Offices & Meeting Rooms | Home Audio Systems

Installation Tips

- Choose the correct version: this is the amplifier version, not the relay version.
- Check the wall box size and available space, and confirm the 110-250V AC power source.
- Disconnect power before wiring; professional installation and programming are recommended.
- Use speakers rated 4-8 Ohm with suitable power; external speakers are not included.

> **Note:** This datasheet covers the amplifier (speaker) version. The relay version is a different product with relay outputs up to 200W / 2 Way; do not connect speakers to relay outputs or vice versa.

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