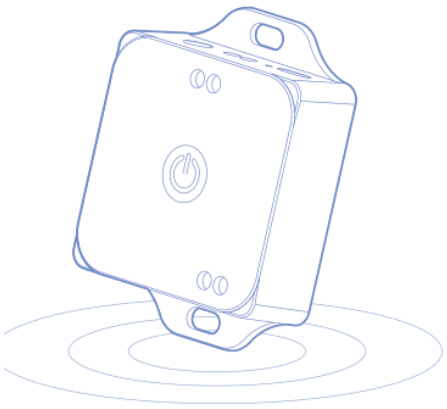
TC60S Bluetooth Pixel Controller User Manual



Overview: The TC60S is a mini full-color pixel controller with wireless Bluetooth control. It supports Android and iOS apps as well as a WeChat mini program, with switchable Chinese/English interface. It drives mainstream TTL/SPI pixel chips, supports DIY programming and irregular layout wiring.

Product Parameters

Operating voltage	DC 5 – 24 V	**File storage**	SD card
Control mode	Bluetooth	**Load type**	TTL / SPI pixels
Dimensions	L57 × W77 × H20 mm	**Max pixels**	2048 pixels

Key Features

1. Supports TTL/SPI pixel fixtures with mainstream chips such as UCS1903, TM1814, SM16703, etc.
2. 32-level to 65536-level grayscale control with Gamma correction.
3. Supports multiple channel types: R, RGB, RGBW, RGBCW.
4. Fixture channel-order correction function.
5. Effective Bluetooth range: 10 – 20 m.
6. 99 built-in effects; DIY programming via external SD card.
7. Simultaneous control of multiple devices.

App Download

Search for **"Full-Color Bluetooth Controller"** in the App Store (iOS) or scan the QR codes below for Android and the WeChat mini program.



Android App download



WeChat mini program

Connecting the Device

Follow the three steps below to pair the controller with your phone via Bluetooth.



Step 1: Tap **Add Device** on the home screen to enter the search page.



Step 2: The app scans and lists available controllers. Tap **Add** next to your device.



Step 3: Tick the device, then tap **Control Device** to enter the control interface.

If the device cannot be found:

1. Check that the controller is powered on.
2. Check that phone Bluetooth is turned on.
3. For the WeChat mini program, enable Location and Bluetooth permissions.
4. In the mini program: tap the Edit button (top-right) → Settings → set location permission to **"While using the mini program"**.

Video Tutorial

Scan the QR code with WeChat or your browser to watch the operation video.

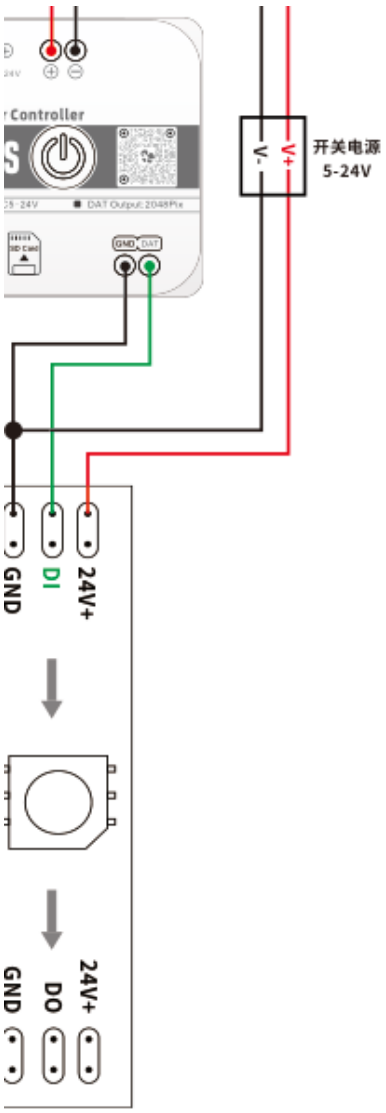
视频二维

Video tutorial QR code

Wiring Diagram

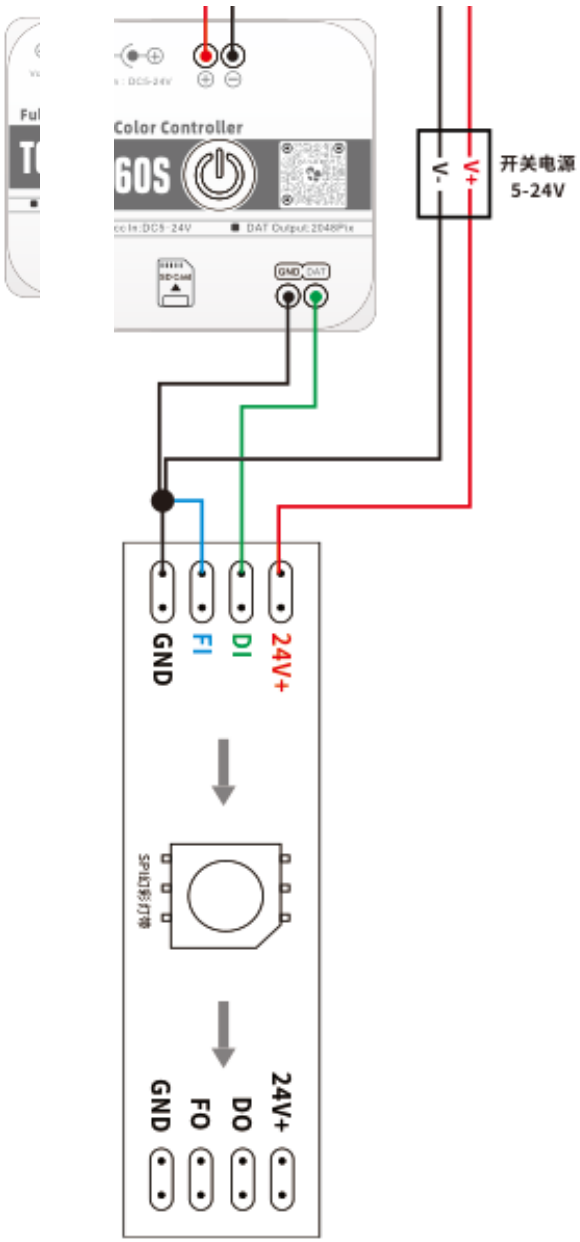
Notes:

1. Wire colors in the diagram are for reference only; follow the labels on your actual fixtures.
2. If the signal wire exceeds 2 m, use CAT5e network cable for connection.
3. Do not connect power through both the DC plug and the screw terminals at the same time.



Single-line TTL/SPI fixture

GND, DI, 24V+ on the strip input; pass through to DO on the next section.



Breakpoint-resume fixture

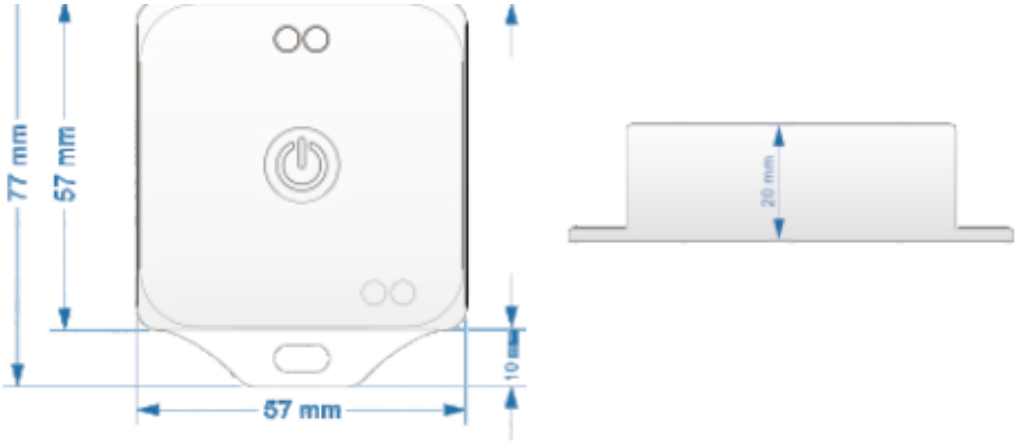
GND, FI, DI, 24V+ on input; FO, DO, GND, 24V+ on pass-through output.

Scan the QR code to watch the wiring video tutorial.



Wiring video tutorial

Dimensions



Overall: 57 mm × 77 mm (L × W), body height 20 mm; mounting ears extend 10 mm on each side.

Package contents: TC60S controller × 1, user manual × 1. SD card and power supply are not included.