TC60A Bluetooth Pixel Controller User Manual



The TC60A 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 chips and supports one-key matrix layout generation with matrix animation effects.

带载灯具:TTL

TTL带载:600像素点

Product Parameters

Operating voltage	DC 5 – 24 V	**Control mode**	APP / WeChat mini program (Bluetooth)
Dimensions	L58 × W78 × H22 mm	**Load type**	TTL pixels, 600 pixels

Key Features

1. Supports TTL/SPI fixtures with mainstream chips such as UCS1903, WS2812, SM16703.
2. Matrix animation, dynamic effects, static color tuning, music rhythm, custom effect editing.
3. Supports single-color, dual-color, 3-channel, 4-channel and 5-channel fixtures.
4. Fixture channel configuration and correction; online matrix layout editing.
5. Effective Bluetooth range: 10 – 20 m.
6. Timer on/off, power-on state recall, OTA firmware upgrade.
7. Multi-device group control.

App Download

Search for **"Bluehor Lighting Control System"** in the App Store (iOS); scan the Android QR code or WeChat mini-program QR code shown in the original manual.

Connecting the Device

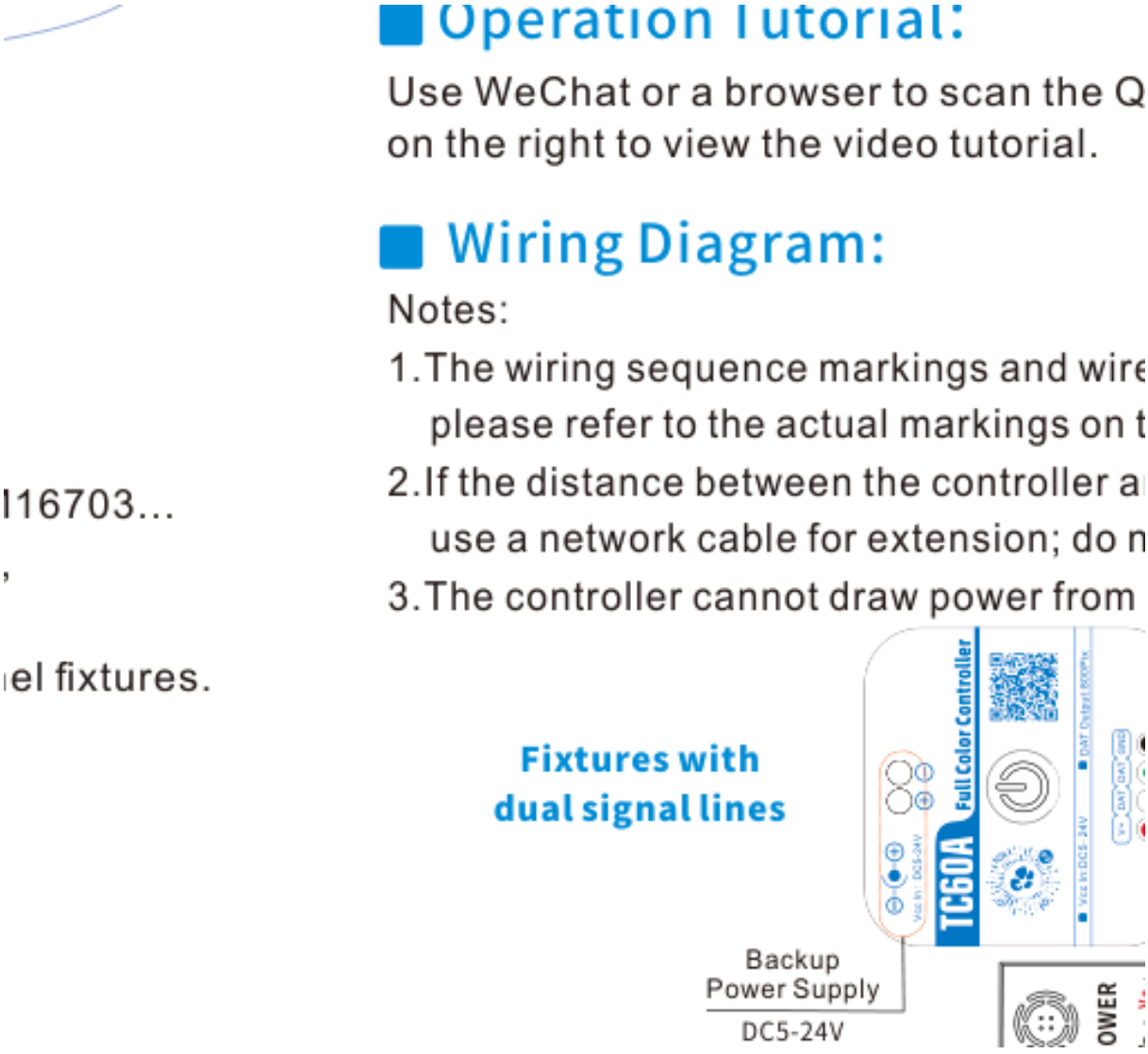
1. Tap the **+ Add Device** button in the app (top-right corner) to enter search mode.
2. Tap your controller in the scanned device list to add it.
3. Tick the device and tap **Control Device** to enter the control interface.

If the device cannot be found:

1. Check the controller is powered on and the indicator light is on.
2. Check phone Bluetooth is enabled.
3. Keep the phone close to the controller during search.
4. On first launch, allow all system permission requests.
5. For the WeChat mini program, enable Location and Bluetooth permissions (mini program top-right Edit → Settings → set to "While using the mini program").

Wiring Diagram

1. Wire colors and order may differ between fixtures; follow the labels on your actual fixture.
2. If the controller-to-fixture distance exceeds 2 m, use network cable (CAT5e); do not use ordinary wire.
3. The controller cannot draw power from the fixture; use the auxiliary power supply port.
4. Supports DC 5 – 24 V input.



Wiring: breakpoint-resume fixture (top) and single-line TTL fixture (bottom).