GR8 TECH CO LTD

A manufacturing enterprise integrating design, development, production, sales and service of intelligent lighting

Product Description and Installation Instructions

1. Product Overview

The DMX512 full-color bulb is an intelligent full-color LED point light source based on the international DMX512 control protocol. Adopting high-quality SMD5050 RGB/RGBW LEDs, it supports independent addressing of each bulb and full-color dynamic effect control, and is widely used in professional lighting scenes such as bars, KTVs, banquet halls and stage lighting.

2. Product Features

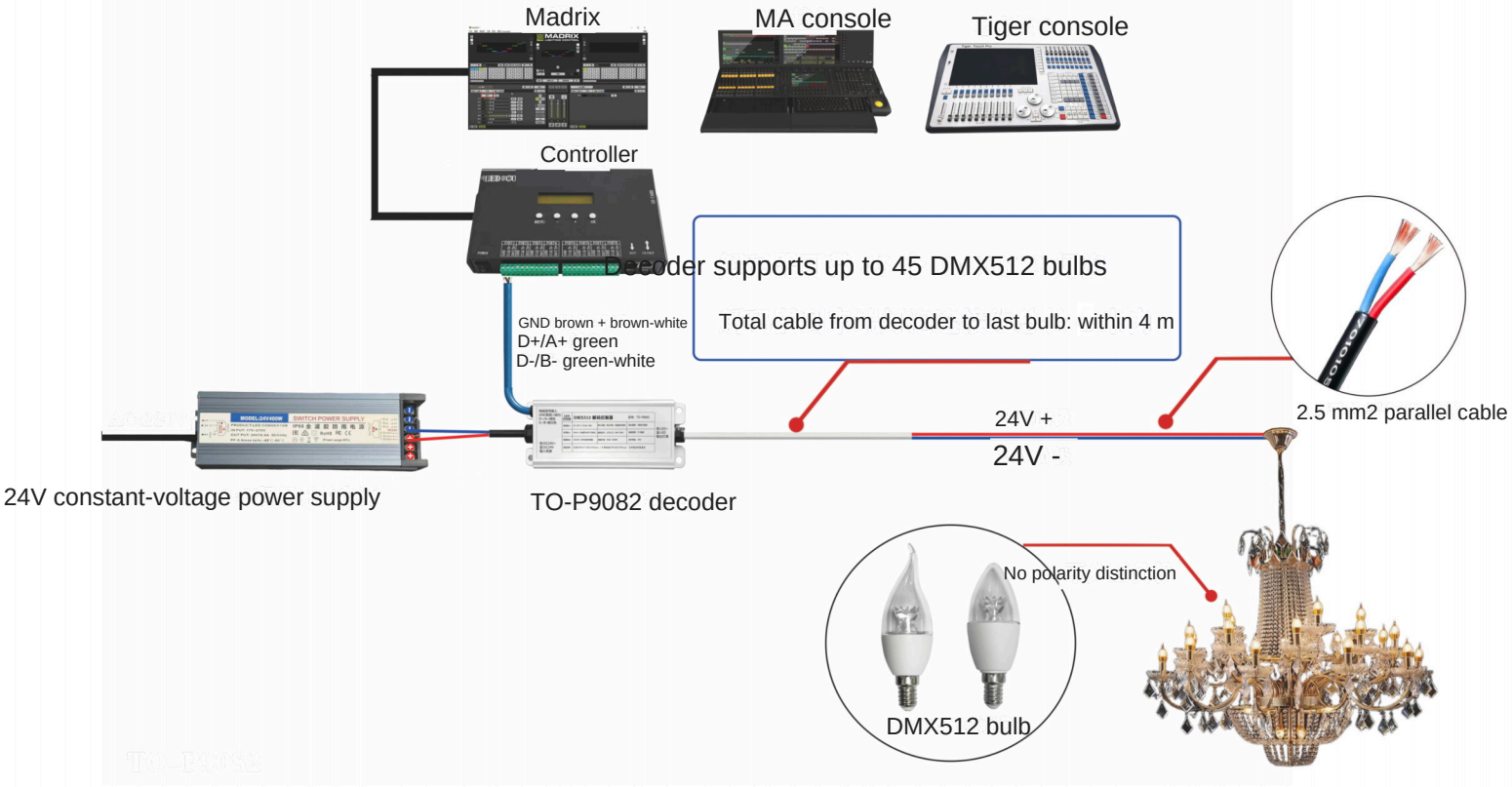
- DMX512 standard protocol: supports the international standard DMX512 control protocol and is compatible with mainstream lighting consoles and control systems
- Independent addressing per bulb: each bulb can be addressed individually to achieve precise single-point control and dynamic effects
- Full-color RGBW: high-quality SMD5050 LEDs deliver vivid and saturated colors
- Breakpoint resume: signal breakpoint resume is supported, so a single faulty bulb does not affect the following fixtures
- Wide voltage design: DC24V low-voltage supply, safe and reliable for all kinds of engineering projects
- Protection rating: IP20
- Long service life: service life of 30,000 hours or more, reducing maintenance costs

Precautions for Use of DMX512 Bulbs

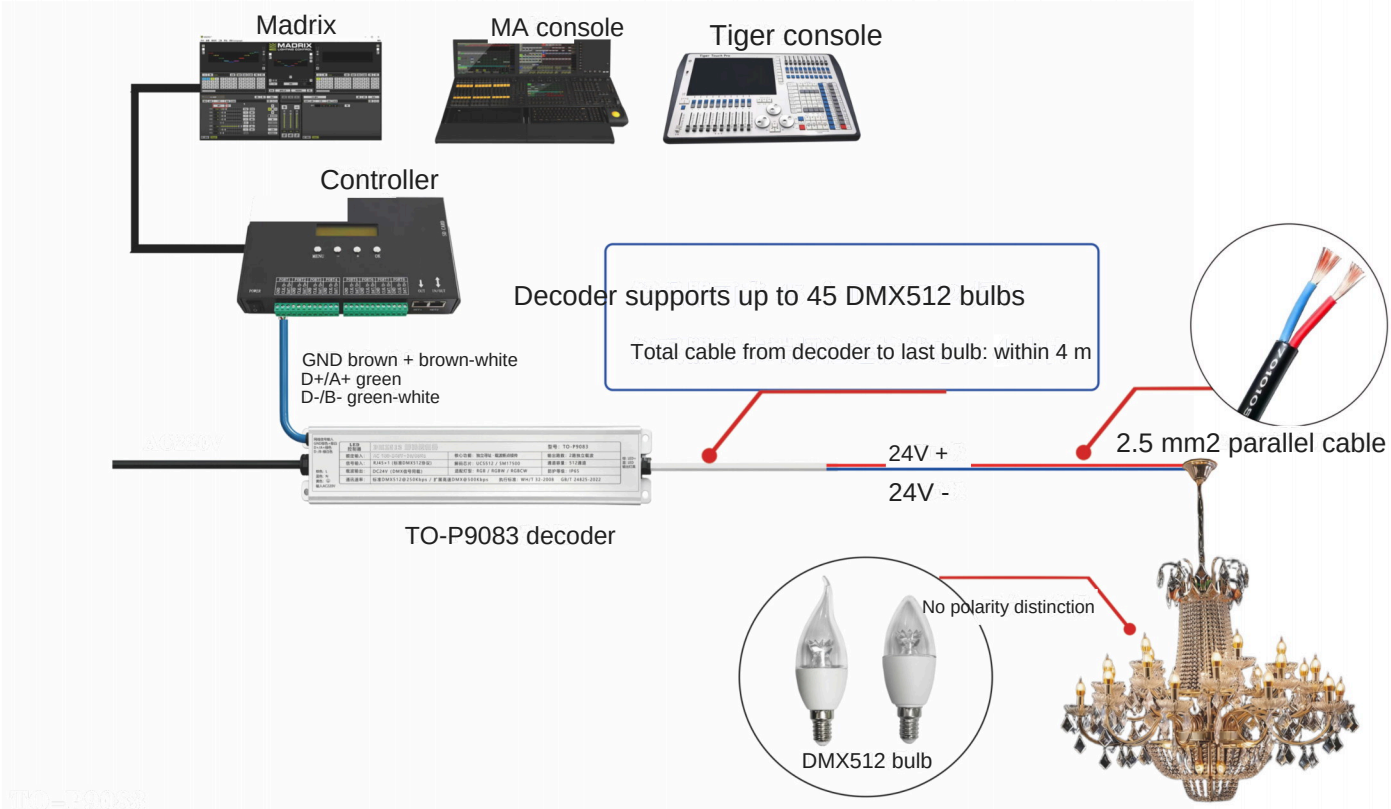
Note:

1. Isolate the equipment to prevent interference and carry out installation to standard practice.
2. A decoder drives no more than 45 bulbs; one controller port connects to one decoder.
3. Do not use the one-key addressing function of the controller; use standard addressing equipment instead.
4. Connect the D+, D-, GND, A+ and A- signals with Cat6 network cable.
5. The main power cable of the fixtures must be 2.5 mm2 parallel cable throughout.

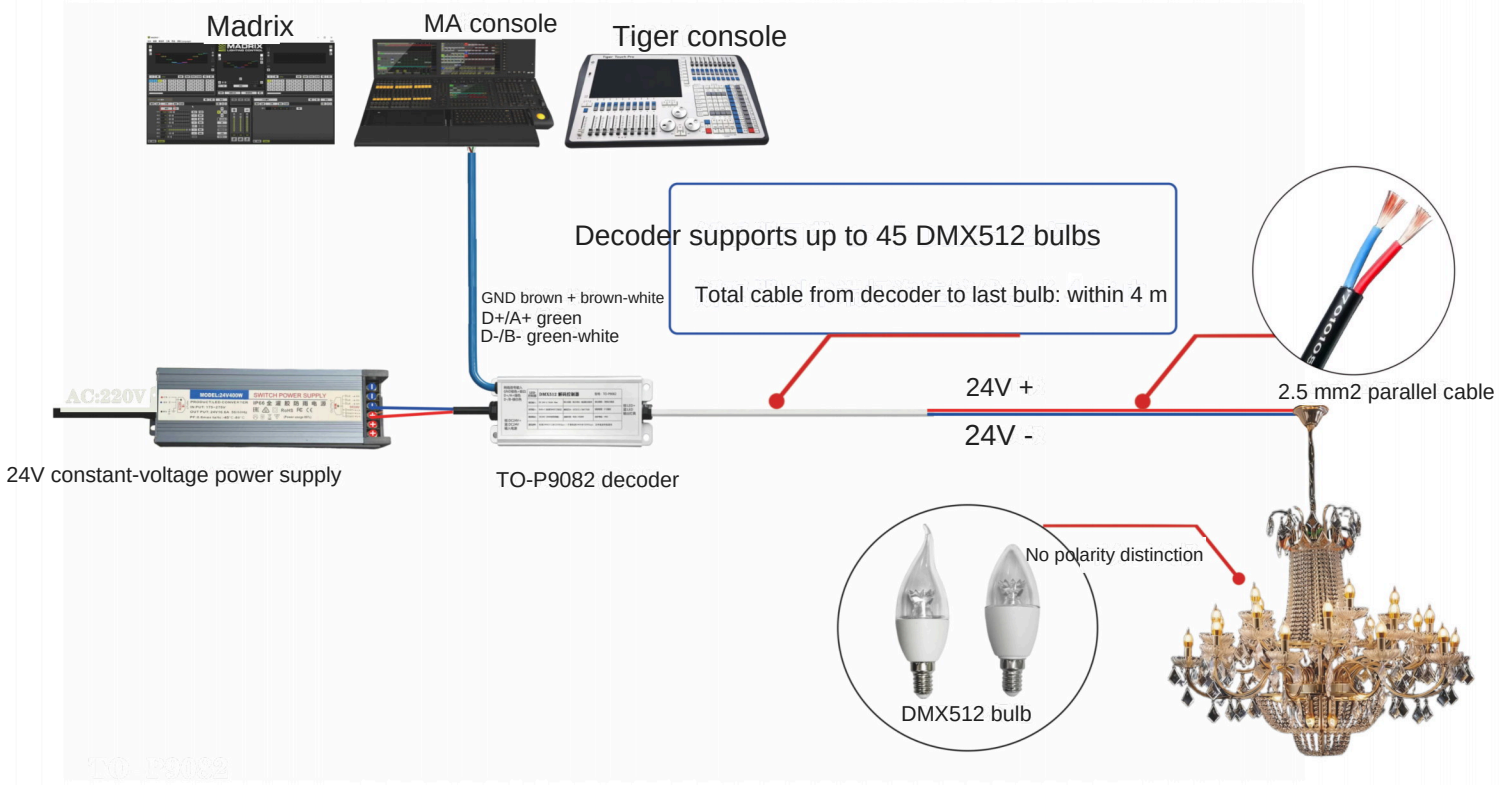
DMX512 Console / Controller Wiring Diagram (Split Type)



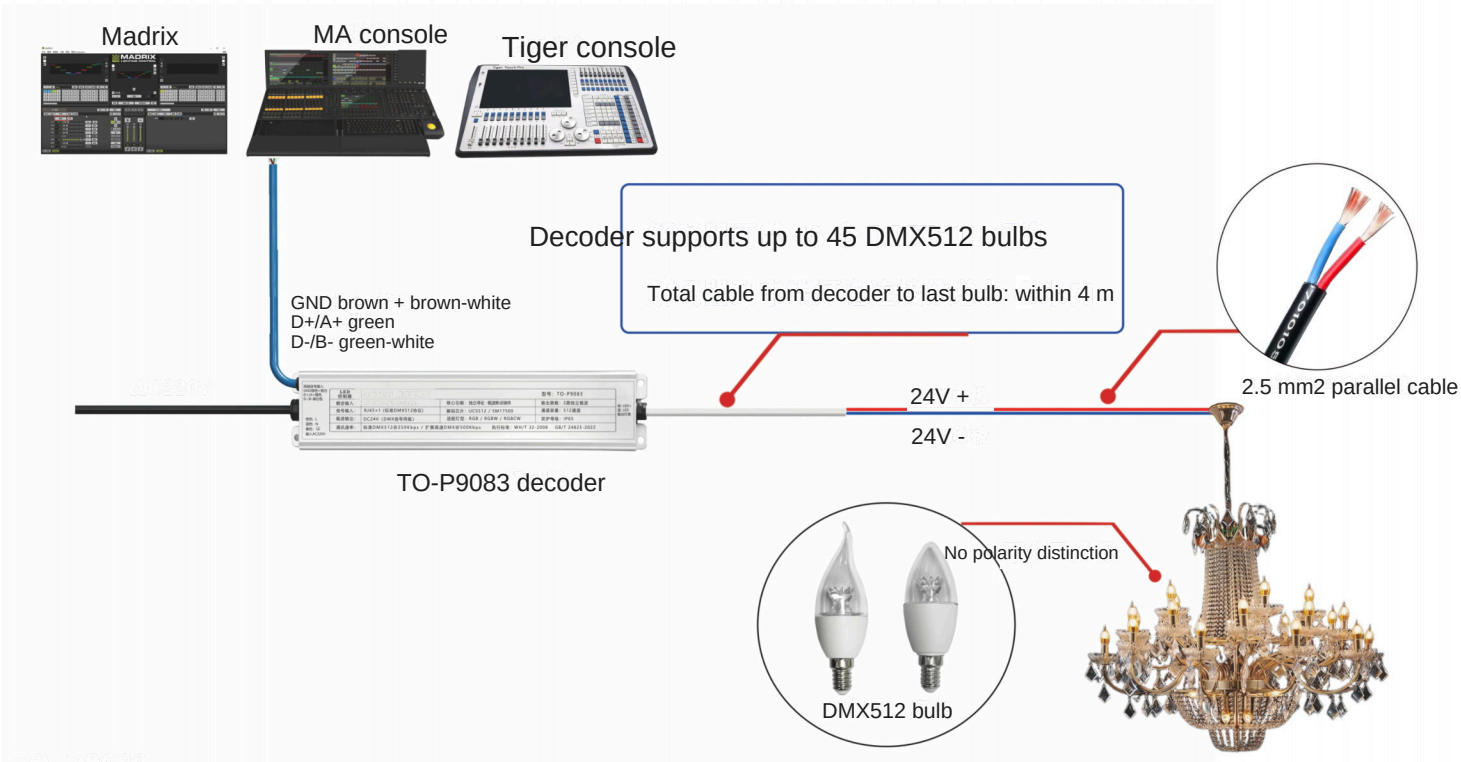
DMX512 Console / Controller Wiring Diagram (Integrated Type)



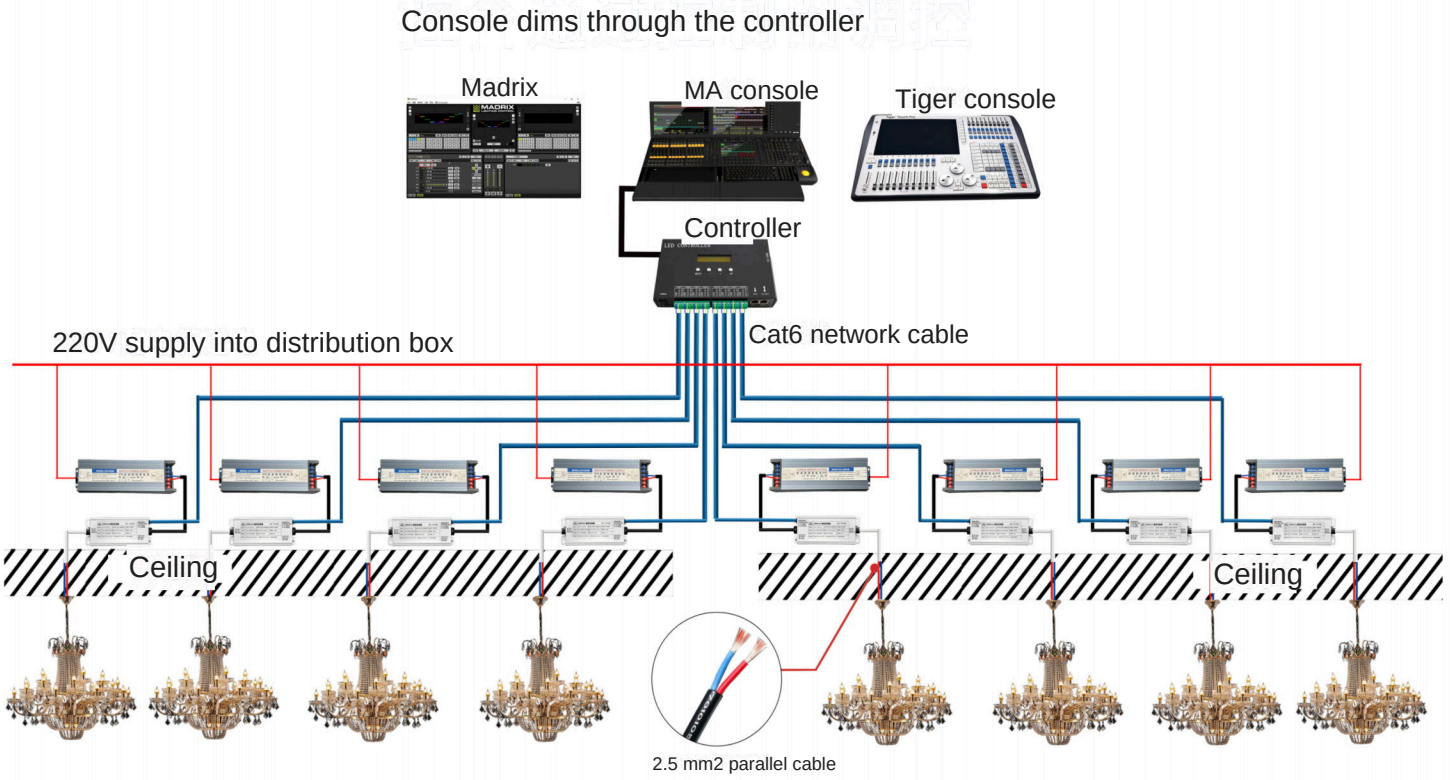
DMX512 Console Direct-Connection Wiring Diagram (Split Type)



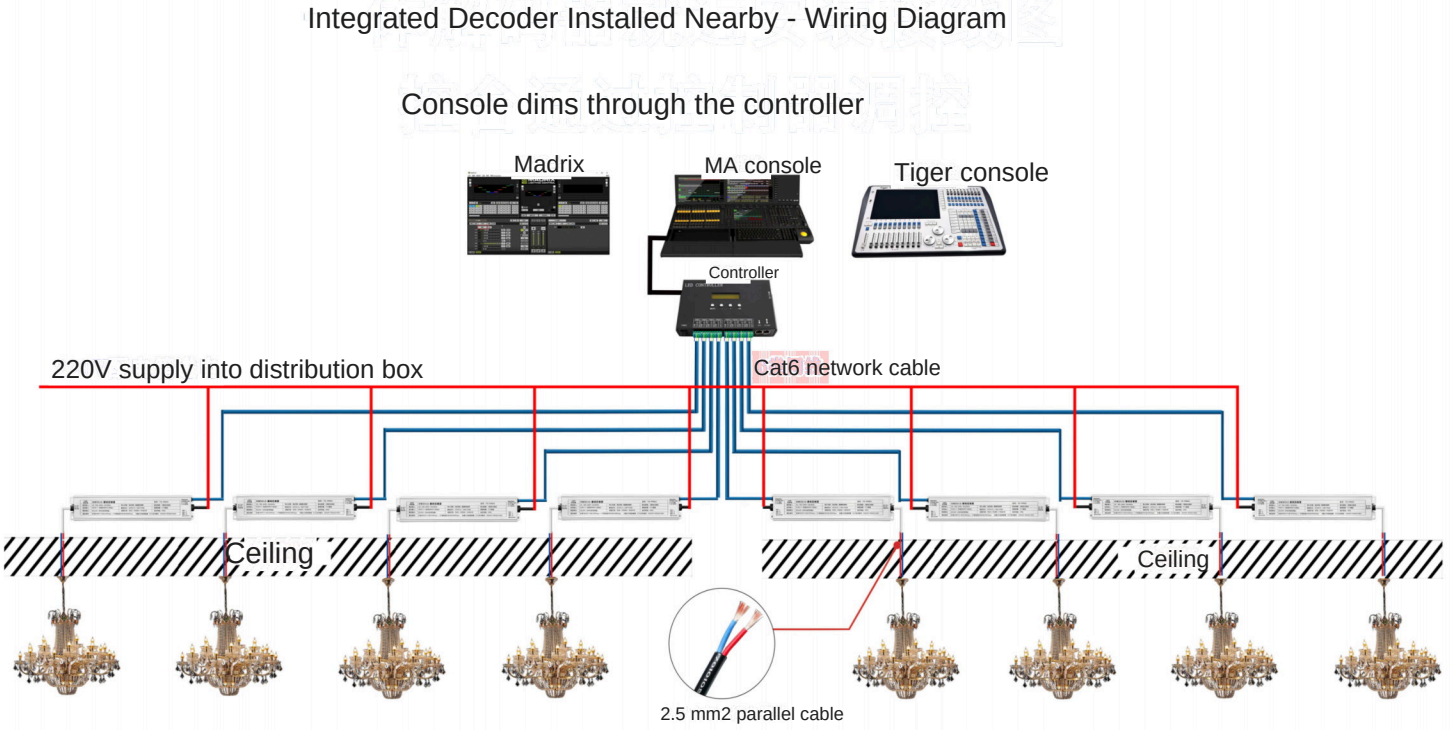
DMX512 Console Direct-Connection Wiring Diagram



Split Decoder Installed Nearby - Wiring Diagram

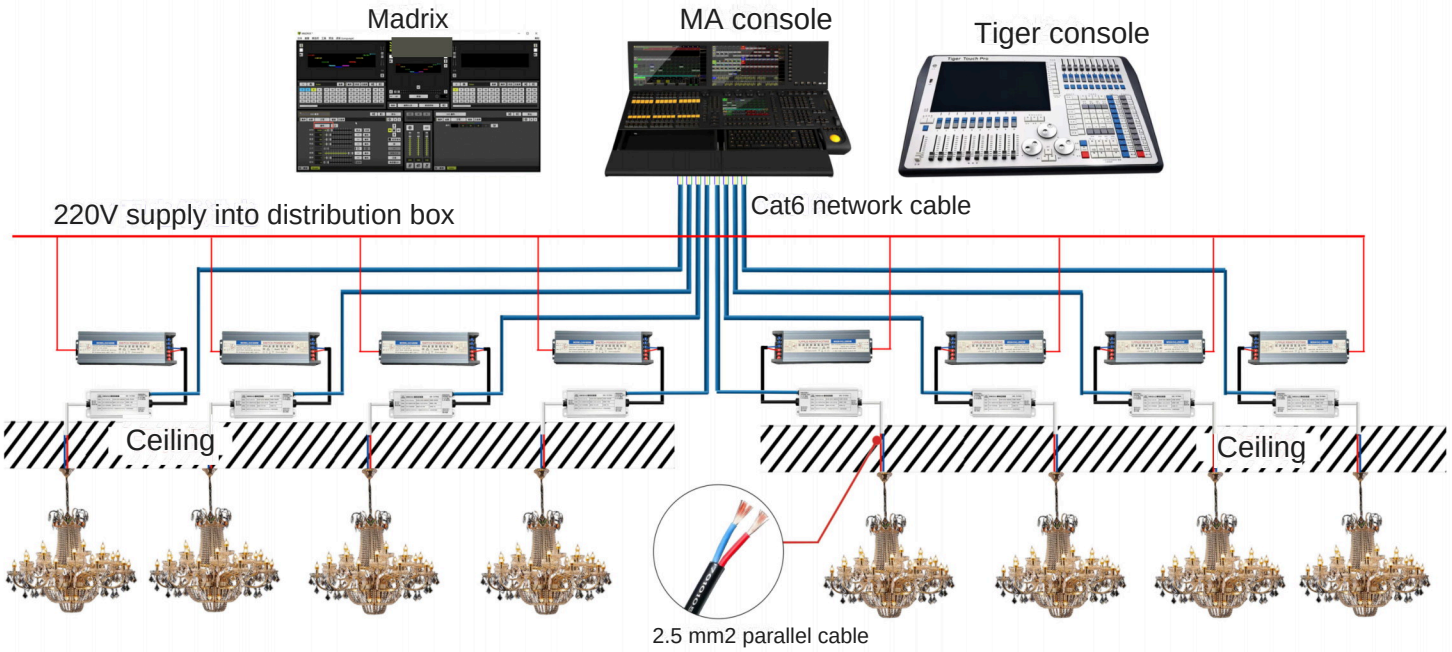


Integrated Decoder Installed Nearby - Wiring Diagram



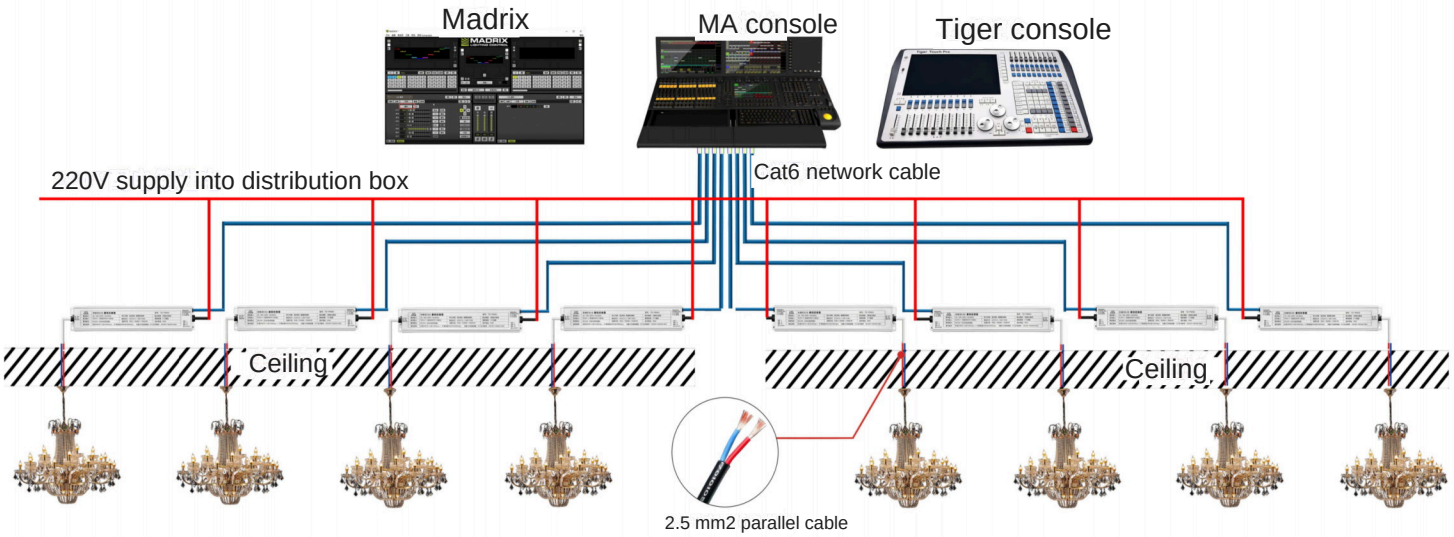
Split Decoder Installed Nearby - Wiring Diagram

Direct control from console

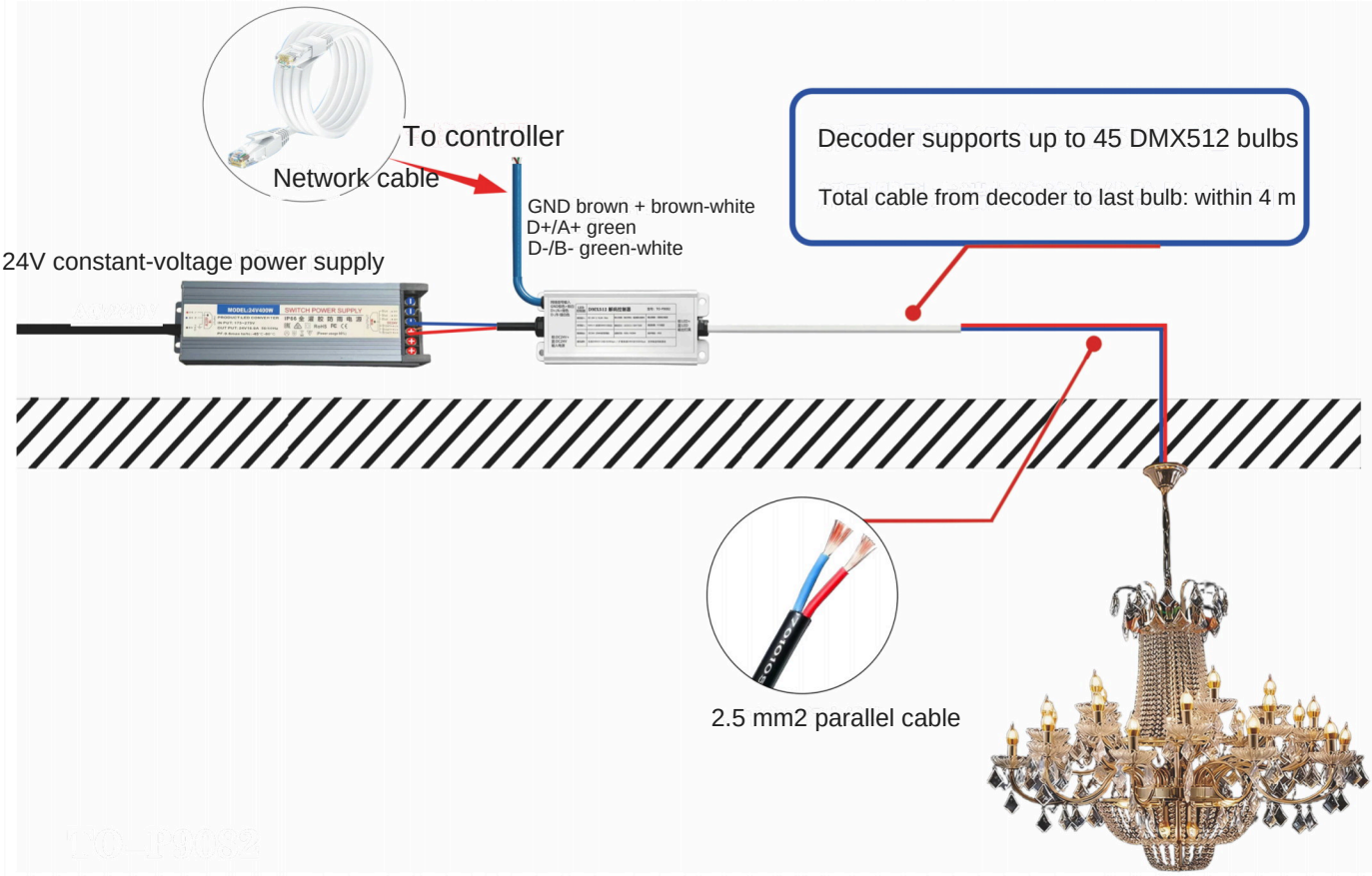


Integrated Decoder Installed Nearby - Wiring Diagram

Direct control from console



Installation Details and Specifications (Split Type)



Installation Details and Specifications (Integrated Type)

