

CIRCUIT DESCRIPTION

The product is to use the MCU (TLSR 8362) and the WI-FI module TYWE3S to control the chromaticity and brightness of the colorful lamp beads and the brightness of the warm light. All operations are finally completed by the TYWE3S module to connect WIFI to the network to achieve cloud control functions.

You can control the various colors and brightness of the light board through the panel buttons and mobile APP. It is mainly used in ambient lights, lighting, creative lights, warning reminders, etc.

The external 12V/3A adapter provides power supply for the whole machine. (Unconstant current 3A, the actual actual current consumption is determined by the working mode of the lamp). 12V is converted to 3.3V by the internal DC/DC converter for the main control MCU. The other way is directly to the lamp board, which is converted into 5V by the lamp board DC/DC converter to supply power for the Symphony LED.

This product is implemented by MCU (TLSR8362) to realize the local LED white light drive and the Symphony LED data stream, and respond to external buttons and mic signals.

The module TYWE3S is responsible for linking to the network through WIFI to realize the APP control function from the smart terminal of the mobile phone issued by the cloud. And through the internal communication interconnection to realize the MCU local function response call.