

LE-904 The brief of the principle of work

1. The LE-904 radio station is part of the receiver. The wireless module (CC2500+LNA) will launch the frequency band wireless signal identical to the launch radio station; demodulation will be transmitted to MCU through the SPI interface. After, MCU carry the sent signal through P3.1 foot (TXD) to a bidirectional transceiver SN75176, the bidirectional transceiver would transform the sent signal into the standard DMX512(485) one for supplies of the lamps and lanterns use.

2. The external power source adapter connects the DC 9V 500MA power source into radio station, DC which linear constant voltage IC 78M05 transforms the sent DC 9V voltage into DC5V voltage and supplies MCU (STC12C5608) and the bidirectional 485 transceivers (SN75176) uses and then LDO (7333Q) transforms DC5V voltage into DC3.3V voltage and supplies the wireless module use.

3. The part of dial key board

A dial key board mainly composed of a tickle dial key and a LED.

A tickle dial key is mainly used in cancelling the pair (elimination of the assigned transmitter's addresses). A LED is mainly used in the status indicator