

Description of 315MHz remote control

Transmitter:

1. The transmitter's MCU is use the JINXUN integrated circuit (IC) JX5056 to control the TX circuit, keyboard scan circuit, low power detect circuit, led display circuit and the voice record /playback circuit.
2. The transmitter's TX circuit is use the MELEXIS integrated circuit (IC) TH72002, this IC built in the fully integrated PLL-stabilized VCO, ASK achieved, single-ended RF output.
3. The transmitter's voice record/playback circuit is use the Winbond integrated circuit (IC) ISD1420, this IC can record 16 seconds voice and it has zero power message storage.
4. The transmitter's audio AMP circuit is use the integrated circuit (IC) LM386 .

Receiver:

1. The receiver's MCU is use the JINXUN integrated circuit (IC) JX5053 to control the RX circuit, low power detect circuit, led display circuit and the buzzer circuit.
2. The receiver's RX circuit is use the transistor of 2SC3356 to compose the regeneration receiving circuit.
3. The receiver's demodulation circuit is use the integrated circuit (IC) ST27M2C.

The transmitter & the receiver's power supply is use the integrated circuit (IC) AME8800B, this IC can regulate 3.0V direct current voltage.