

Functional circuit description:

The remote control is powered by two 1.5V AAA batteries.

RC cars are powered by two sets of batteries, one with two 1.5V AG10 and one with three 1.5V AAA batteries

The remote control does not have an OFF / ON switch. When the battery is powered on, the LED1 light flashes, indicating that the code is not aligned. At this time, the U1 IC will automatically emit a coded signal, which is composed of L1, and C2.

The RC car is pulled to the ON position and powered by three AAA batteries for a total of 4.5V. LED1 and LED2 flash at the same time, indicating that there is no code-up. At this time, the encoded signal transmitted by TX(remote control) is received via the RX(RC car) antenna.

After the code is uploaded, the TX(remote control) LED1 turns off, and the K1 switch is pressed to send a forward signal, which is emitted from the antenna via the LC filter. At the same time, LED1 lights up. The RX(RC car) antenna receives the forward signal and decodes it by the LC input U1. After U1 is decoded, it outputs a high level to U3 from the second pin. , LED2 flashes.

After the code is uploaded, the TX(remote control) LED1 turns off, and the K2 switch is pressed to send a back signal and the LC wave is emitted from the antenna. At the same time, LED1 lights up. The RX(RC car) antenna receives the back signal and decodes it by LC input U1. After U1 is decoded, it outputs a high level from pin 3 to U3. The output voltage of U3 drives the M1 motor to rotate the RC car. , LED2 flashes.

The remote control does not enter the sleep state within 20 seconds of code upload, and does not press K1 and K2 to enter the sleep state after 20 seconds of code upload. Press K1 and K2 to wake up.

The RC car enters the sleep state without operation for 10 minutes under the ON remote control function. Press the TRYME button to wake up.

The RC car is pulled to the TRYME position and is powered by two AG10 3V batteries. LED1 and LED2 will blink after 6 seconds, then press the S1 switch TRYME button and then blink after 6 seconds.

The OFF position turns off all functions and disconnects power.