

Element summary of the remote control dog

The circuit of this product includes 2 parts--the emitter and the receiver, which are both with 3VDC working voltage, and frequency HF/27.145MHz/SW. This product works under the RFID telecontrol way of the Amplitude Modulation. And it's controlled by the coding-decoding of 6 Command Tunnels. Each key of the emitter controls the function output of every tunnel of the receiver. Its final output function is the Sound Playback, through the 6 Command Tunnel to output 6 different Segments of Sound, which includes the swearwords and non-swearwords.

1. Working Element of the Emitter Circuit

The core of the circuit is constructed by a singlechip (SCM) IC1 (W55RFT), through which to function the emitted system. The inner parts integrate the Electronic Switch, the frequency Oscillator, Command Encoder, Ranging Modulator, Radioamplifier, etc. Its character is: The inner electronic switch will automatically set the circuit to the dormancy state while the circuit is free. Press any key of the circuit, it'll start its awakening function by indicating LED. When the circuit is in dormancy state, it nearly doesn't wear-off electricity. Please check the attached Block Diagram and Electrical Schematics for the IC periphery circuit function.

2. Working element of the receiver circuit

(1) The core of the HighFreqReceive is also constructed by a singlechip (SCM) IC1 (W55RFR). The inner parts mainly integrate Carrying Wave Oscillator, Signal Booster, Filter and Command CODEC, etc. Coding output is port 6Pin I/O, with High POTential output F1、F2、R、L、B、F.

(2) The IC2 (588A030/040) of the circuit is a Sound Deposit IC, which deposits 6 Segments of Sound, and which functions the sounds via the 6Pin I/O High Potential Output. Please find the attached Block Diagrams Electrical Schematics for more details.