

Attractor Remote Digital Caller circuit description

Master circuit:

Q1 is voltage regulator IC, supply the 3.3V voltage power to IC1 and U2.

U2 is program MCU, when the RF receiver module have data output, the

MCU will encode data and out high level to trigger IC1 play sounds,

IC1 is voice IC , include five sounds and one reset input PIN. According to

U2 output trigger signal perform different play sounds or reset.

U3 is sounds power amplifier circuit. IC1 output sounds signal pass through U3

Power amplifier driver the speaker.

Transmit module circuit:

Q1 is power control, when any key press will provide power to U3 and Q2.

U3 is encoder IC, The 18PIN is in series with Q1 C and terminal and get work power.

U3 bring the address signal to high frequency tube Q2 and control it(1~7PIN of U3 contact

The ground or VCC then can choose the address signal group.)

A1(SAW1) is resonance component, can supply 315MHz frequency, after modulated and Amplified, transmit to around space though antenna.

Transmit circuit working ASK mode.