

JADA TOYS CO., LTD

Project No. : 96158,96159

Model Name : 7.5 Inch Heat RC (Single and Twin Pack)

Transmitter and Receiver Circuitry Operating Description

In Transmit Mode:

Transmitter: When the power switch S1 turns to “ON”, Q1 and the Y1 crystal produce a carrier frequency, press one of the keys Music, R, L, F, B, The Encode IC1 SNC26016 pin33 gives the signal out to Q2, and mixed the carrier frequency signal, after Q2 amplifier the signal and transmit from antenna.

A 9V battery supplies energy.

In Receive Mode:

Receiver: When the power switch S1 turns to “ON”, The modulation signal receive from the antenna and pass to local oscillation and demodulation from Q1, The encoding signal transfer to Signal Amplifier IC IC1 SC010, Encoding IC IC2 SXC1172, after decoding the direct control signal go to the motor driver unit. The Q2~ Q7 control motor M1 to control Forward and Backward function, the Q8~Q13 control motor M2 to control Left and Right function. When receive Music control signal , IC2 play music and driver the all LED turn to light with flash.

Try Me Mode: When the power switch S1 turn to “Try me” , Press the Try Me switch S2 , the Encoding IC IC2 SXC1172 play music and driver the all LED turn to light with flash.

Energy is supplied by 3x AA size (1.5V) battery.