

JADA TOYS CO., LTD

Project No. : 96124, 96125

Model Name : 1:16 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 U1 TX05B pin8 gives the signal out to Q2, and mixed the carrier frequency signal, after Q2 amplifier the signal and transmit from antenna. There are three sets of modulation signal can be selected by Band Selecting Switch S2.

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 SN8P020 and Voice IC IC4 SNC030, after decoding the direct control signal go to the motor driver unit. The Q4~Q9 control motor M1 to control Forward and Backward function, the Q10~Q15 control motor M2 to control Left and Right function. When receive Music control signal , IC4 play music and driver the all LED turn to light with flash. There are three sets of modulation signal can be selected by Band Selecting Switch S2.

Try Me Mode: When the power switch S1 turn to “Try me” , Press the Try Me switch S3 , the Encoding IC IC4 SNC030 play music and driver the all LED turn to light with flash.

Energy is supplied by 4x AA size (1.5V) battery..