

# Chrysler 300C

## TRANSMITTER OPERATIONAL DESCRIPTION

The Chrysler 300C radio control transmitter is a low voltage powered, hand held unit for controlling the movement of a toy car .The transmitter is powered by two AA battery. It is designed to operate on a single fixed frequency in the 49.82—49.90Mhz band (49.86 Mhz). Details please see the attached block diagram and schematic.

R1 and associated components act as power supply.

Input switches (SW1~SW2) trigger integrated circuit (U1) which produces the digital control signals and a modulated carrier signal .The carrier signal is generated by U1 with a crystal oscillator (X1). The modulated output from pin ANT of U1 is capacitive coupled (via C8 )to the antenna through a “Pi” matching network comprised of C11 、 C10 and T1 .The antenna length is about 11 inch and permanently attached.

The manufacturer performs all tuning and there are no adjustments that can be made by the user.