27.145MHZ Transmitter Operational Description

The SCOOP CAR radio control transmitter is a low powered hand held unit for controlling the movement of a toy car , the transmitter is powered by 2 PCS 1.5 Volt AAA batteries . It is designed to operate on a single fixed frequency in the 27.145MHZ band . Please see the attached block diagram and schematic .

Transmitter is using a five-function Remote Control Encorder – SPRC205A1 integrated circuit , the SPRC205A1 is able to encode five sequences of binary information into a serial bit-stream data . When push any one of the button keys , it will have digital control signals , via built-in crystal oscillator and power amplifier , circuit comprised of a crystal the RF carrier signal is modulated by digital control signal form U1's pin RFO the modulated output of pin RFO is capacitivity coupled via C7 to the anterna is permanently .

All tuning and verifications are performed by the manufacturer and there are no adjustments theat can be made by the User . No external ground is required or used with this transmitter .

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