



## **Remostar Technology Corp. 寬和科技股份有限公司**

ISO 9001 Manufacturer Certificate No. : AJA01/2914

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### **Operational Description (TX4)**

The car alarm transmitter is a low powered, hand held unit for remote controlling The car locks/arming and other features. See the function descriptions in attached. The transmitter is powered by a 12 volt battery. It is designed to operated on a Single fixed frequency at 340MHz. See the attached block diagram and schematic.

There are 4 buttons trigger the integrated circuit (U1) which produces the digital Control signals and will modulate the carrier signal. The carrier signal is generated by a oscillator/amplifier circuit comprised of a npn transmitter (Q1). The modulated output of the RF amplifier stage is coupled to the PCB strip antenna. The coupling network comprised of C2, C3, C4 and VC. The strip antenna is attached on PCB permanently around 20mm.

The transmitter is manually operated by the buttons pushed and will automatically deactive within 16 seconds after the button being pressed. Transmission will be stopped right away (within 0.2 second) while button is released. This feature is incorporated by the U1 internally.

All tuning and verification are performed by the manufacture. No external ground Is required or used with this transmitter.