Operation Description book for

2.4G basic radio control system with Servo unit

First please press the TX's Set-up button, push the power switch form off to on at the same time. After that, the TX LED will be flash and TX will send out the 16 bit binary system signal, the frequency is 2.402-2.477GHZ.Then press the RX's Set-up button, the RX LED will flash. After RX searches the TX's signal, the LED will stop flash. It means TX and RX already paired well and the ID No. will be saving in the RX's EPROM. So the sample no need to pair again. After TX and RX power on again, you can go on the other operations.

After TX power on, when you press one of these switch of TX （TH、ST、SET-UP、TH-TRIM、ST-TRIM、Channel1、Channel2），via Battery supply the power（12V），go through the voltage regulation of IC(LM1117) and output the voltage of 3.3V to MCU's 5 foot, which make the single chip can work normal. The C4 capacitor plays a role for filtering.

Via TH、ST、SET-UP、TH-TRIM、ST-TRIM button to set up the parameter of ATV, Center. The Buzzer will remind every setting, LED will show the working state; 12MHZ Crystal provide the stable clock signal to RF module. When you change the Channel 1, channel 2, it will make the MCU's 11, 22 foot's electric potential changing, which also change the output impulse width of MCU 24 foot. This impulse signal via high frequency IC 6936 and power amplifier IC 2423 to enlarge the power, through the antenna to send out.

Operational Frequency Range: 2402-2477MHz
Antenna: An Internal Antenna with antenna gain 1.8dBi
Input Volage: DC12V, 8 pcs AAA nickel-cadmium batteries