

Operation Description of Emitter PCB

When the control pin of the U1 is grounded, the corresponding function of the pin is enabled, and is latched by the latch. The latch signal controls the encoding circuit for encoding, and generates the encoded signal for the corresponding function. Then Pin 10 will output the high level. One channel will light up LELD-G through R11, and one channel will provide offset voltage for the oscillation circuit consisting of Q2 and XT1 through R2. When the carrier signal generated by Q2 and XT1 is modulated by the encoded signal output from Pin 8 of U1, it will be amplified and emitted through Q3.

When the CH+ and CH- terminal are installed with the rechargeable battery, switch K1 is activated, and the time delay circuit consisting of components as Q1, Q4 and C work. One channel will light up LED-R through R13 to indicate the charging status, and the other channel enables the continuity of Q5 through R7, enabling the CH- terminal to the low potential to charge the battery.