

## **Operation Description for XPV Terranator**

The XPV Terranator is powered by 1 x 7.2V rechargeable battery. The radio frequency channel is 49.860MHz. The transistor Q1 and IC U2 is responsible the radio receiver and signal amplify. The transistor Q4 and IC U3 is a decoder for functional control. IC U1 and transistor Q2, Q3 is voltage controller. Transistor Q5 ~ Q9, K1 and K2 is motor controller for motor M1 and Q10, Q16 ~ Q19, K3 and K4 is motor controller for motor M2. The IC U5 and transistor Q11 ~ Q15 is a responsible for charging battery.