

## Operation Description

The Cyborg Shark is powered by 1 X 9V size battery and operating at radio channel 27.145MHz. It oscillated by crystal and it has two control sticks in the front of unit. When the control stick pressed once, it can transmit a radio frequency for receiver unit running to difference direction.

Refer to the circuit design, the circuit description is listed as below:

- Q1, Y1 and associate circuit act as oscillator.
- Q3 and associate circuit act as RF amplify.
- Q2, U2 and associate circuit act as encoder.
- Q4, U1 and associate circuit act as power control.