

Operation Description

The R/C Dolphin is powered by 1 X 9V battery for Tx, 1 X 3.6V rechargeable battery for Rx and 6 X 1.5V “AA” size battery for charger. There are 5 control buttons in the front of unit. When the Dive up, Dive down, Forward, Turn Left, and Turn Right button pressed once, it will transmit a difference radio signal for receiver moving difference direction.

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

For Tx

- U1 and associate circuit act as encoder.
- X1, Q1 and associate circuit act as oscillator.
- Q2 and associate circuit act as mixer and amplifier

For Rx

- Q1 and associate circuit act as Super- Rege.
- Q2, U2 and associate circuit act as decoder.
- Q12, Q13, Q5~Q10, Q17~Q22 and associate circuit act as motor drive circuit.
- U1 and associate circuit act as voltage control IC.