

## **Operation Description**

The transmitter operates at 27.145MHz, which is controlled by a crystal. It is powered by 9V battery. There are two-control key on the transmitter. When the forward control trigger is pushed/pulled once, a radio frequency will be transmitted for the receiver for going forward/backward. When the direction control steering wheel is turned the left/right once, a radio frequency will be transmitted for the receiver for going left/right.

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

- U2 and associate circuit act as encoder
- Y1 and associate circuit act as oscillator
- Q1, Q2 and associate circuit act as RF amplifier
- C10, C11, L4 and associate circuit act as low pass filter