

## **Operation Description for MLS RC Soccer Game (49 MHz Transmitter)**

The transmitter of MLS RC Soccer Game is powered by a 9V battery and operated at channel 49.860MHz. There are two control sticks in front of the transmitter. When the joystick is pushed up or down, it will transmit a radio frequency for the receiver to go forward or backward. When the joystick is pushed left or right, it will transmit a radio frequency for the receiver go left or right.

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

- X1, Q1 and associate circuit act as Oscillator.
- Q2 and associate circuit act as RF amplifier.
- U1 and associate circuit act as encoder.