

# FCC ID: WGD-WRC-REMO

## Circuit Description

### Game Call Remote (WRC-Remote)

#### (A) TX Board PCB

- U6 is a RF transmission module at 433MHz frequency band.
- ANT1 is an antenna of length ~45.8mm.
- U1 is a micro-controller.
- Y1 is a crystal at 8MHz. It supplies clock to the micro-controller U1.
- J12 is a LCD display panel.

#### (B) Keyboard

- There is one ON/OFF key and 10 function keys.

#### Operation:

The remote obtains power from a 9V alkaline battery. It utilizes a micro-controller U1, a RF transmission module U6 and an antenna ANT1 to transmit operation commands to the game caller in the 433MHz band. The U1 detects key entry and sends encoded data in serial form to U6. The U6 modulates the data in 433MHz FSK format and delivers it to the antenna ANT1.

There is a LCD display panel J12 to indicate the operating status of the remote.