

#### B1601 TX working principle

1. Working Power Voltage: 9.0V
2. Emissive Manner: AM
3. Emissive Frequency: 27.145MHz
4. Working principle:

The power voltage is controlled by R5 and Z1 to get output power 4V steadily, which will be sent to the coding IC U1.

When trying the function of the transmitter to forward, backward, left and right, the IC will output the accordant code.

This kind of code is amplified by the amplifier which consists of Q1, 9014C, T1, C1, C2, C7, R3 etc. At the same time, the carrier frequency made by Y1 27.145MHz, Q2 9014, R1 etc. combined with the amplified code will produce a AM and modulate wave.

After leached, the wave will be sent out by antenna out to space.

#### B1601 RX working principle

1. Working Power Voltage: 9.0V
2. Receiving Manner: Super Revival
3. Working principle:

The signal received by antenna pass through the receiving electrocircuit which consists of Q1, C380, L1, C2, C3, C1, R1, R2. then the signal will be amplified and selected a frequency to compose the coding signal. The coding signal will be transferred to the uncode IC which composes to the coordinate action signal according to the different coding signal.

Eg:

Forward, backward, left, right etc. At last, the motor can be pushed by the coordinate driving audion, which including Q4~Q9, Q10~Q15, Q16~Q18.