

**Model: 191**

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**CIRCUIT DESCRIPTION:**

In transmitter U1 TX6 to switch code modulation, key SW6 is forward, key SW3 is backward, key SW1 is right, key SW2 is left, key SW4 is CAR SOUND, key SW5 is MUSIC, Q1 is 27MHz crystal oscillator. Q2 input mix modulation and 27Mhz crystal oscillator output to L1 and antenna.

In receive Q1 & T1 to detector the modulation, U1 RX6B become amplifier of decode forward drive motor Q15, Q14 and Q12 to forward, backward drive motor Q10, Q11 and Q13 to backward, right drive motor Q4, Q5 and Q7 to right, left drive motor Q9, Q8 and Q6 to left.

When receive IC U1 pin 8 "F2" trigger Sound IC U2 have music output, if U1 pin 6 "F1" trigger Sound IC U2 have car-sound output. In music and car-sound output the Q20 to drive 4 speaker "-", Q16, Q17, Q18 and Q19 to drive 4 speaker "+", but in car-sound output the IC U2 control Q21 to cut U1 receive "V11" and drive motor Q15, Q14 and Q12 to forward.

Q3 is regulator 4V voltage to IC U2.