

Receiver

Circuit description

Q1 forms a superhetregen receiver. IC1 is working as a decoder. The output F/B of IC1 drives Q2, Q3, Q4, Q5, Q6 and Q7 to drive motor 2. The output L/R of IC1 drives Q8, Q9, Q10, Q11, Q12, Q13, Q14 and Q15 to drive motor 1.

Antenna and ground circuitry

This unit makes use of a 300mm flexible antenna. The antenna is inductively coupled. The unit relies on the ground track of the printed circuit board. No external ground is provided. Energy is supplied by 6pcs 1.5 Volt battery.