



Receiver

Circuit description

Q1 forms a superheterogen receiver. IC1 is working as a decoder. The output F/B and T of IC1 drives Q2, Q3, Q4, Q5, Q6, Q7, Q14 and Q16 to drive motor 2. The output L/R of IC1 drives Q8, Q9, Q10, Q11, Q12, Q13, Q15, Q17 and Q20 to drive motor 1. U2 is working as a sound and light decoder.

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 9.6 Volt battery pack.