

## Operation Description

The receiver of the 12" RC Movie Daleks and 12" RC TV Daleks (49MHz) is power by six 1.5V AA size batteries. The radio frequency channel is 49.860MHz. There are two motors on the receiver. When it receives the radio control signals, it will go to the corresponding direction.

Referring to the receiver circuit design, the circuit description is listed below:

- Q1 and associated circuit act as a RF receiver.
- U1 and associated circuit act as a decoder.
- Q8 and associated circuit act as a voltage regulator.
- Q2 ~ Q7, Q11, Q14 and associated circuit act as a motor driver for M1.
- Q3 ~ Q6, Q9, Q10 and associated circuit act as a motor driver for M2.
- Q15 and associated circuit act as an audio amplifier.