

Operation Description for Little Tikes MagiCook Grail – 13.5 MHz

The Little Tikes MagiCook Grail is powered by 3 x 1.5V AA size batteries. There is a built-in antenna on the PCB board. When the knob on the unit is switched and different types of “food” are placed on the grail, it will transmit a radio frequency signal for the internal voice IC to output different voices.

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

- U1 and associated circuit act as transmitter IC circuit
- U2 and associated circuit act as voice data memory
- U3 and associated circuit act as voice decoder and speaker