

# 3VOLT FM BUG KIT

YOU CAN USE A 3V BUTTON CELL LITHIUM BATTERY TO POWER THIS DEVICE FOR AN EXTENDED PERIOD OF TIME, AT LEAST ONE FULL DAY.

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NOTE PARTS: Q1 IS A 2N2222A NPN, C3 IS A 4-10 PICO FARAD CAPACITOR, R1 AND RA ARE 4.7K OHM, CA IS A .01uF CAP, THE ANTENNA IS A HALF WAVE WIRE.

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THIS SIMPLE CIRCUIT USES THE PREAMP BUILT INTO THE ELECTRET AMPLIFIER, THIS SIGNAL IS FED INTO THE FM OSCILLATOR THROUGH THE BASE OF Q1. THE C2 / L1 TANK CIRCUIT RESONATES AT THE SET FREQUENCY IN THE FM RADIO RANGE.

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