

SCHEMATIC DIAGRAM

The schematic diagram illustrates the internal circuitry of a radio receiver. Key components include:

- Antenna and Tuning:** The circuit starts with an external antenna (EXT. ANT.) connected to a matching network (L101, C101, C102, C103, C104) and a variable capacitor (C105).
- Power Supply:** A 1.5V battery (B1) provides the primary power, with a 1.5V regulator (VR1) ensuring stable voltage.
- Tuned Circuits:** The signal path is composed of several tuned circuits, each consisting of an inductor (L) and a capacitor (C). These are labeled L102, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, and C118.
- Variable Components:** Multiple variable capacitors (C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118) are used for tuning the receiver to different frequencies.
- Output and Control:** The final output is connected to a speaker (S1) and a volume control (VR1).

