

Product Brief: PCB Radio

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Product Overview

PCB Radio is a small, portable AM/FM radio. It can be used as a stand-alone product with a built-in speaker and rechargeable battery. It can also be plugged into external speakers to get a larger sound and has a display to view the current frequency monitoring value.

Key Features

The list of following features are included with the PCB Radio product.

- Full AM/FM radio coverage over the 88MHz to 108MHz range.
- Tune-able range and volume control via tuning knobs.
- Low power display to show current frequency, volume, and other information.
- Power button and mute button.
- Built-in speaker.
- Removable rechargeable battery supply.
- Aux port for external speaker use.
- External power support.
- Sensors include its antenna and a battery sensor to measure the charge on the battery to be displayed on the radio display.
- Micro USB for battery charging and programming.
- Micro SD card installed to store sensor and related data.

Description of uses and applications

The only use for PCB Radio is to listen to AM/FM broadcasting. Users can do this by either using the built-in speaker or by using an external speaker plugged into the aux port. Rechargeable battery is removable so that users may replace it as it wears over time.

Product Purpose

The purpose of PCB Radio is for individuals who want the experience of listening to podcasts, news, songs, or other radio stations through AM/FM broadcasting. All of these programs and stations can be found online and listened to using our phones, but PCB Radio is for listeners who know or want to know the local radio schedule and listen to their content using this method. PCB Radio also allows its users to use existing speakers they already own to get a louder and/or better sound.