

Retro Portable Party Speaker

Dimensions: 500 × 170 × 260 mm

Purpose: Built for festivals and parties

This project is a custom-designed portable loudspeaker that blends retro aesthetics with modern performance. Tailored for outdoor events and social gatherings, the speaker delivers high volume and rich sound while maintaining a compact size.

The enclosure is crafted from jatoba terrace planks and oak wood shelving, offering both visual warmth and structural integrity. A steel grille on the front protects the speaker cones while adding a rugged, vintage touch. For enhanced bass response in a smaller form, the speaker features two passive radiators, one facing forward and one backward, helping to move more air without increasing size.

At its core is a Class D amplifier, chosen for its excellent sound quality, energy efficiency, and integrated Bluetooth functionality. The rear panel includes essential controls: an on/off switch, AUX input, charging port, and a potentiometer for volume adjustment. A sturdy handle on top ensures easy transportation, making it ideal for mobile use.



Skills Used

- Craftsmanship
- Wood design
- Soldering & Electronics Assembly