

Description

Cyfi Speaker is a Bluetooth stereo Speaker that support the Bluetooth Transmitter device. The main component is KB11R. The KB11R contains BlueCore3-Multimedia External (BC352239A) , 8Mbit flash memory and 12MHz crystal.

Battery charger has input for the cyfi Speaker Charger. An output to the battery. The switch mode power supply provides the 3.3V for the KB11R and audio codec. The audio codec chip has support line output. Connect to BC11R PCM lines. The line out provides audio signal to Class-D power amplifier . An output to the speaker. The RF output line should be designed to match 50Ω characteristic impedance, depending on L & C matching. This cyfi Speaker (Power sw & LED Board) includes one switch and six LEDs, All connect to BC11R PIO lines. The cyfi Speaker (Switch Board) includes four switch, All connect to BC11R PIO lines.