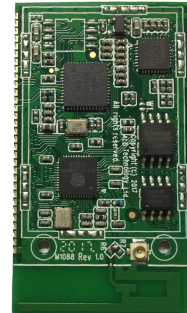




# fmCAST Whole-Home-Radio

## Key Features

- Distributed playback of Internet radio/music in sync
- One Master Internet radio + n slave radios
- Any FM radio can be a slave radio
- Easy pairing of Master and slave radios (FM tuning)
- Audio sources: Over 22,000 Internet radio and DLNA



M1088 module  
29 x 51 mm

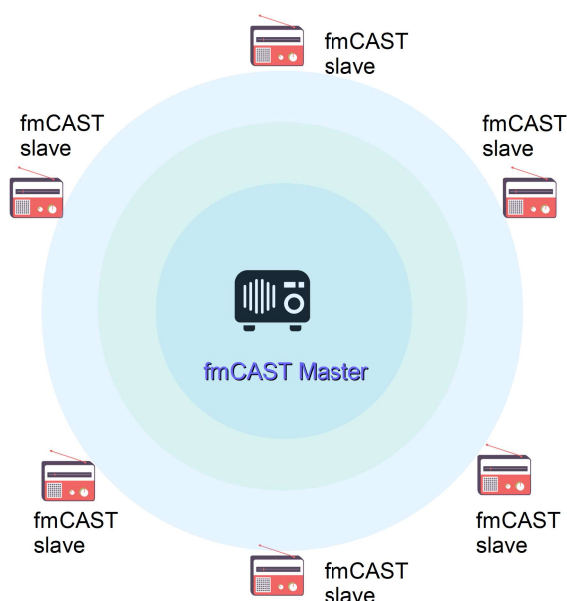
## Overview

M1088 module is a complete hardware, software and backend portal solution for Internet radio, DAB/FM radio, DLNA /UpnP local network streaming and Bluetooth speaker products. It provides the simplest and lowest-cost solution for cloud radio and music streaming, in addition to broadcast radio of DAB and FM. Powered by an industry-leading SoC that integrates 802.11 b/g/n Wi-Fi up to 150 Mbps, dual-mode Bluetooth and dual-core 32-bit CPU running at 240 Mhz. Running with a compact real-time OS, FreeRTOS, M1088 boasts the fastest boot-to-play commercially available Internet radio in the world.

## Hardware Features

- IEEE 802.11 b/g/n Wi-Fi supporting WEP, WPA, WPA2 security
- Bluetooth 4.1 dual mode
- 10/100 mbps Ethernet
- 16-bit I2S audio CODEC
- SPI interface for TFT or STN LCD
- Infraed remote
- Optional DAB/FM radio with RDS
- SD card interface
- Rotary encoder and buttons

## fmCAST



- Whole-home radio
- Synchronized playback
- Selectable frequency with Master Radio LCD
- Easy joining fmCAST network by tuning FM
- No need to input SSID/PW
- Any FM radio can be slave
- Audio sources: IR, DAB, DLNA