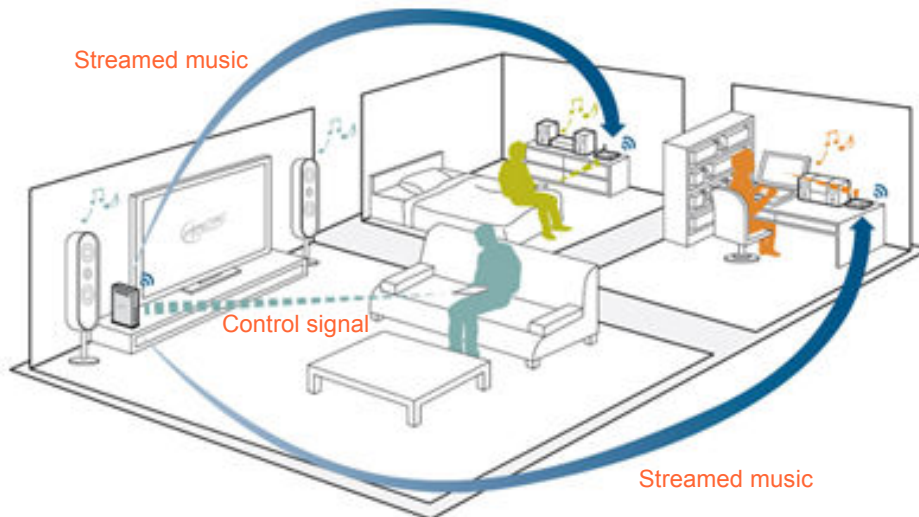# 24-bit/96-KHz Gapless Playback DLNA Speaker



**ALD Hi-Fi grade DLNA Speaker** solution supports studio grade 24-bit, 96 KHz music playback across the home with the use of smart phones and tablets (Android and iOS) as central control. Users can make use of the powerful processing power and large color screens of the smart phones and tablets to control the playback of music stored in PCs and NASs to DLNA/UPnP compatible devices like DLNA TV, DLNA speaker or PCs. The music in the Andorid and iOs devices can likewise be beamed to the DLNA devices for playback to allow tetherless music enjoyment. Our advanced streaming technology successfully implements ultra-fast start-to-play and gapless playback that are only available in high-end music players.

## Key Features

- ### 24-bit, 96 KHz music playback

  Studio grade music that offers lower noise floor and higher dynamic range than 16-bit. 44.1 KHz CD.

- ### Gapless playback

  Gapless playback preserves the time distances in the original setting.[1]
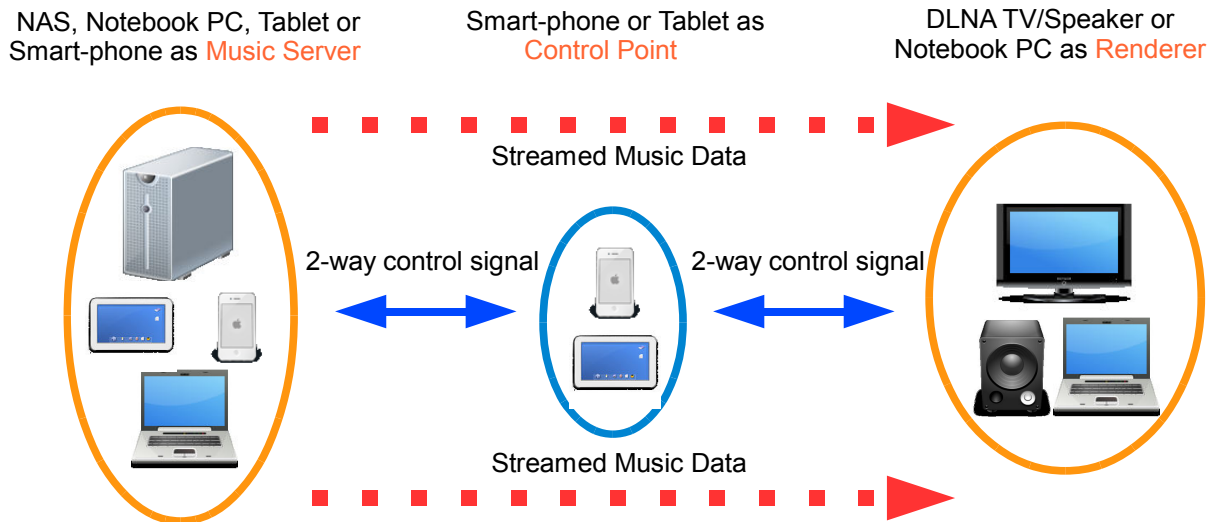
- ### Fast-to-play

  It takes only 2 seconds for music to start to play from user selection. [2]

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1. Gapless playback is available for FLAC and WAV music formats.
2. For 100 Mbps wired Ethernet connection only, Wi-Fi connection will require a slightly longer time to start to play.
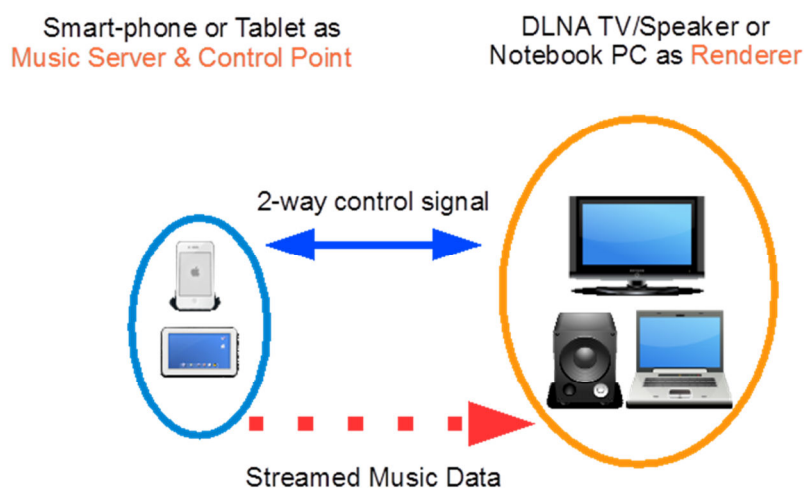
- ## Play music from PC/NAS to ANYWHERE

    Your large stock of music stored in PC or NAS can be browsed and selected to play anywhere at home with just a fews tabs of your smart phone or tablet.

    NAS, Notebook PC, Tablet or Smart-phone as Music Server

    Smart-phone or Tablet as Control Point

    DLNA TV/Speaker or Notebook PC as Renderer

    Streamed Music Data

    2-way control signal

    2-way control signal

    Streamed Music Data

- ## Play music from PHONE/PAD to ANYWHERE

    Browse the playlists and tracks in your phone to play anywhere at home. Releive your ears from the tethering headphones.

    Smart-phone or Tablet as Music Server & Control Point

    DLNA TV/Speaker or Notebook PC as Renderer

    2-way control signal

    Streamed Music Data

- ## Centralized jukebox

  Manage the music of all family members from a single point.

- ## Intuitive operation with smartphone

  The large and colorful LCD of smartphones makes browsing and selection easy while album artworks display    vividly.
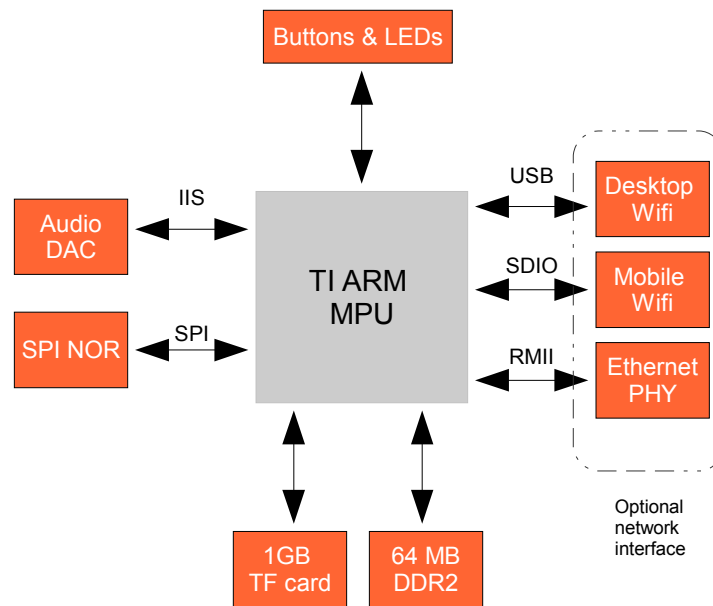
- ## Discover music in new ways

  Browse the huge stock of songs by artist, genre or album and you may recover discover lost music or discover music in new ways .

- ## Synchroized party music or per-zone playback

  Fill the whole house with music that rocks all your party guests or create zones with different tunes.

### Specifications

| | | |
|---|---|---|
| **Network NIC** | **10/100 Mbps Ethernet** | **Option** |
| | **IEEE 802.11 b/g/n** | **option** |
| **Network Protocol** | **TCP, IP, UDP, DHCP, HTTP, NTP** | |
| **Wi-Fi Security** | **WEP, WPA and WPA2** | |
| **Wi-Fi Setup** | **Wi-Fi Protected Setup (WPS)** | |
| | **Auto-scan SSID** | |
| **Music Management** | **UpnP, DLNA** | |
| **Playback Control** | AV Transport implementation for FF, Pause and Stop | |
| **Multi-Room Music** | **Party music or individual music in different zones** | **Option** |
| **Audio** | Formats: AAC, MP3, OGG. WMA, FLAC | |
| | **Depth: 16-/24-bit** | |
| | **Sampling rate: 22.05, 24.0, 44.1, 48.0, 88.2, 96.0 KHz** | |
| **Standby Power** | **Less than 0.5 Watt (at 60% efficiency of DC adaptor)** | **Option** |

**Multi-Room Audio Streaming Overview**

ALD Technology Ltd supplies a total solution of hardware and software in turn-key assembled and tested PCB module to enable audio product manufacturers to design Multi-room audio streaming products by adding just the power amplifier, DC supply and buttons/LEDs. Manufacturers can concentrate on what they can do best - complete product design and market development, to achieve faster time-to-market. For large volume requirements, roylaty-based authorization for production can be arranged. We also entertain custom designs to enable product differentiation.