Internet Radio Module

Connecting your audio products to the Internet

Use the AwoX Internet Radio Module to enable network connectivity on any existing audio chassis, including desktop and car stereo systems, amplifiers, boom-boxes, MP3 players, and more.

Modes

Internet Radio Service
Listen to over 5,000 radio stations worldwide and over 15,000 regularly updated podcasts. Choose from over 1000 commercial-free stations for all your musical tastes, everything from Blues to R&B, Rock, Classical, and more.

FM Radio
Listen to your favorite local FM Radio.

Play media from local storage devices
Plug-in your mobile USB flash drive and enjoy your music, it's that easy.

Record radio
Record your favorite Internet radio and FM shows on USB, SD, MMC storage media.

Play your network media collection
Listen your favorite songs stored on your home computers via your Wi-Fi access point.

Features

Expand your business model
Add revenue from AwoX on-lne partners and digital music services.

Alarm clock
Enjoy music from the minute you wake up!

Keep up thanks to in-the-field upgrades
Protect your investment by making your device future-proof.

Easy user interface
Our intuitive user interface lets users search and browse with a simple dial.

Customizable web portal
Branded version of your web portal can be used to modify the presets of your Internet radios.

Some examples of internet radio design based on AwoX Internet Radio Module

Connectivity **Modules**

Hardware Features

System-on-chip
- ATMEL AT91SAM9260

Memory
- 32 MB 133 MHZ SDRAM
- 16 MB NAND Flash Memory for system only

Peripherals
- FM Tuner with optional RDS

Audio
- Stereo output (L/R RCA, daughterboard*)
- Stereo input (L/R RCA, daughterboard*)
- Mono microphone input (mini-jack, daughertboard*)

Storage
- SD MMC card reader (daughterboard*)
- USB 2.0 host (daughterboard*)

Network
- 10/100Mb Ethernet MAC & PHY (daughterboard*)
- External USB Wireless LAN 802.11b/g key (USB connector on board); encryption support: 40- & 128- bit WEP, WPA, CCX, TKIP & AES

Interface
- Control LCD screen via I2C or parallel bus.
- Support for analog keyboard, up to 16 keys and one rotary encoder
- Infrared decoder function for RC5
- Battery management: direct or via 1-wire
- External FM antenna (mini jack, daughterboard*)

Clock
- Alarm, wake-up, snooze and sleep features

Power Supply required
- 3.3V for main activity
- 1.8V for RTC restore

Dimensions
- 80 x 60 x 17 mm

Mozart	Ethernet	Wi-Fi	FM	DAC
A	DM 9161	RT 2571	SI 4702	TLV320AIC32
C	DM 9161	RT 2571	N/A	TLV320AIC32
D	DM 9161	RT 2571	N/A	N/A

Mozart versions, a versatile offer that fits all needs.

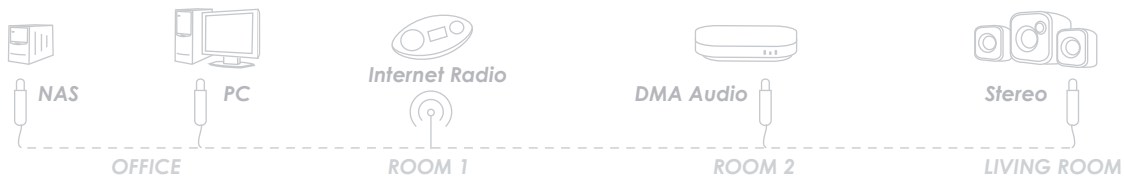
Software Features

Stored in NAND, fully upgradable via the Internet:

- Audio decoders: MP3, WMA, WAV, FLAC, AAC-LC, Real Audio
- AwoX streaming engine: HTTP/MMS
- AwoX plug-in for vTuner Internet radio directory
- AwoX user interface API for LCD screen
- Digital Media Player & Renderer in compliance with DLNA 1.5 guidelines

- Linux Kernel 2.6.19 with drivers
  > Color LCD 320x240 pixel interface, 65000 colors
  > Monochrome LCD 128x80 and 128x64
  > Keyboard input
  > Wi-Fi USB Interface
  > FM tuner with optional RDS
  > Ethernet PHD/MMC card reader
  > Full-speed USB 2.0 host

** additional I/O possibilities available via expansion connector*



The AwoX Internet Radio Module lets you build standalone Internet radios, digital music players and desktop stereo systems. It provides access to thousands of Internet radios and podcasts, as well as content stored on home networks (as shown above).

☐ About AwoX

AwoX provides network media solutions for consumer electronics products based on mediaCTRL™, its DLNA-certified middleware. AwoX mediaCTRL enables people to stream video, music and photos seamlessly using digital audio and video devices in their regular home networks. AwoX mediaCTRL technology is at the heart of all AwoX audio and video connectivity accessories and solutions. AwoX is a member of the UPnP Forum and UPnP Implementation Consortium, and a promoter member of the Digital Living Network Alliance.

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