

Squeezebox2

Specifications:

Basics

What's included:

- Squeezebox2 Network Music Player
- AC Power adaptor (appropriate plug by region)
- External wireless antenna (Wireless model only)
- User's manual
- SlimServer software (requires download)
- 10 foot ethernet cable (Wired model only)
- Custom infrared remote, 2 AAA batteries included
- 6-foot gold plated RCA patch cord

System requirements:

- All systems: 128MB RAM, ethernet or wireless network, and 20MB hard disk space
- Macintosh: Mac OS X 10.1.5 or later
- Windows: 233Mhz Pentium running Windows NT/2000/XP
- Linux/BSD/Solaris/Other: Perl 5.6.0 or later



Audio Formats

Audio formats

- Lossless Formats (FLAC, Apple Lossless, WMA Lossless)
 - "bit-perfect" CD audio streaming, with reduced storage and bandwidth usage.
 - Approximately 2:1 compression ratio
- Uncompressed formats (AIFF, WAV, PCM)
 - Supports raw pass-through of uncompressed PCM audio formats
 - Bit-perfect digital passthrough for DTS
- Compressed formats (MP3, AAC, Ogg Vorbis, MP2, MusePack, WMA)
 - MPEG decoding uses MAD software, widely regarded as the most accurate, most compatible MP3 decoder.
 - High accuracy 24-bit synthesis
 - Supports all MP3 data rates and sample rates, including VBR
 - May be streamed in PCM (raw), MP3 (transcoded), or FLAC (transcoded) formats
 - Some formats may require additional software installation (e.g. Quicktime), depending on platform.

Internet Radio

- "Always-on" Internet Radio, powered by SqueezeNetwork, lets you tune in to Internet Radio streams even when the home PC is switched off.
- Quick selection from hundreds of Internet Radio streams offered by Slim Devices' partners.
- Internet Radio favorites can be saved in a playlist for easy access.
- Displays song title information during playback
- Support for MP3, Ogg Vorbis, and WMA formatted Internet Radio streams

Audio Outputs

Audio outputs (general)

- Digital and analog outputs
- All RCA connectors are gold-plated
- Volume control is provided for all outputs
- Multiple outputs may be used at the same time

Analog RCA outputs

- High fidelity Burr-Brown™ 24-bit DAC
- Two dedicated linear power regulators for DAC and line-out stages
- Full 6.0Vpp line-level signals
- Signal-to-noise ratio: over 100dB
- Total harmonic distortion: less than 0.003%

Digital S/PDIF outputs

- Optical and coax digital connections
- Dedicated high-precision crystal oscillators (no PLL, no resampling)
- Standard IEC-958 (S/PDIF) encoding
- Optical connector: TOSLINK 660nm
- Coax connector: RCA, 500mVpp into 75 ohms
- Sample rates: 44.1Khz, 48Khz
- Audio format: linear PCM, 16 or 24 bits per sample

Headphone output

- Standard 1/8" jack also functions as an IR blaster
- Minimum headphone impedance: 16 ohms
- Total harmonic distortion: less than 0.03%
- Left/right crosstalk attenuation: 92dB

Network

Wireless Interface

- Available on Wireless model only
- True 802.11g wireless networking
- Bridging capability allows Ethernet devices to connect to the network through Squeezebox2 Wireless
- Throughput up to 54Mbps, high speed PCI interface to radio module
- Dual antennas, one internal and one external, for improved range and throughput
- Supports all 802.11b and 802.11g access points
- Internal antenna: planar inverted-F antenna
- External antenna: Detachable, 2 dBi omnidirectional $\lambda/4$ dipole array, SMA reverse-polarity
- Automatically detects available networks for quick setup
- Supports both WPA Personal and 64/128-bit WEP encryption

Ethernet Interface

- Available on both Wireless and Wired models
- True 100Mbps throughput
- Shielded CAT5 RJ-45 connector
- Connects to any 100Mbps or 10Mbps network
- Auto-detects full duplex and half duplex modes
- Automatic receive polarity correction
- Maximum cable length: 100 meters (328 feet)

Physical

General

- Dimensions: 8.5"W x 1.9"H x 4.5"D (216mm x 48mm x 117mm)
- Finish: choice of Triple Platinum or Soft-touch Black

Display

- Large, high-resolution vacuum fluorescent display
- 320x32 greyscale pixels
- Beautiful high-speed, full-screen visualizers
- Bitmapped graphics, multiple fonts, animation, and images
- Brightness control

Infrared remote

- Standard 38Khz IR
- Hand-held remote, 29 buttons
- Durable soft-touch black finish
- Includes "SmartScroll" algorithms to quickly access favorite songs within large lists
- Custom codes do not conflict with other devices
- Data format fully compatible with most programmable and universal remotes
- Templates available for Pronto and other remotes
- Supports discrete on/off and other "shortcut" codes

Power

Power input

- 5.0V DC, regulated
- Center positive, sleeve ground

Power supply

- Switching power supply included
- Input voltage range and plug style specific to shipping destination

- Connector: 2.5mm ID, 5.5mm OD, 11mm long
- Min supply rating: 1000mA
- Power supplies are small, efficient, and do not get hot
- One of four styles is included depending on country

Tech Notes

Firmware

- Flash upgradeable firmware
- Network settings are stored in non-volatile memory
- Auto-configuration for most networks
- Easy setup for wireless networks

Architecture

- 250 MHz 8-way multithreaded RISC processor
- "Pure software" SlimDSP™ architecture
- Field-upgradeable Xilinx CPLD
- 64Mb high-speed RAM
- 16Mb program flash
- Low-power design, all solid-state, fanless

Legal Notes

Warranty:

- One year parts and labor
- 30-day Satisfaction Guarantee

Regulatory compliance

- CE Class B
- FCC Class B
- Canada ICES-0003 Class B

