

Supported Audio Codecs

- MP3
- AAC
- FLAC
- LPCM/WAV/AIFF
- ALAC
- WMA, WMA9
- Ogg Vorbis

Supported Playlist

- ASX
- M3U
- PLS
- WPL

Supported Container Formats

- WAV
- M4A
- OGG
- AIFF

Supported Protocols

- SHOUTcast
- HTTPS
- WMA streaming
- RTSP/SDP

DETAIL AUDIO CODEC SUPPORT

Supported MP3 encoding parameters

- sampling rates [kHz]: 32, 44.1, 48
- resolution [bits]: 16
- bit rate [kbps]: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192,224,256,320,vbr
- channels: stereo, joined stereo, mono
- mp3PRO playback
- MP3 File extensions: *.mp3
- Decoding of ID3v1, ID3v2, MP3 ID tags including optional album art in .jpeg format up to 2 megapixels
- Gapless MP3: Playback is gapless if the container provides LAME encoder delay and padding tags.

Supported Vorbis encoding parameters

- sampling rates [kHz]: 32, 44.1, 48
- resolution [bits]: 16
- nominal bit rate [kbps] (quality level): 80 (Q1), 96 (Q2), 112 (Q3), 128 (Q4), 160 (Q5), 192 (Q6),
- channels: stereo
- The audio player supports reading of Vorbis content stored in Ogg containers.
Supported file name extensions: *.ogg and *.oga.
- The audio player supports decoding of Vorbis comments.
Note: There is no specification for tag names. The system relies on the OSS implementation.
Tag names decoded: TITLE, ALBUM, ARTIST, GENRE.
- Binary data (e.g. for album art) is not supported.
- The audio player supports gapless Vorbis playback.

Supported FLAC encoding parameters

- sampling rates [kHz]: 44.1, 48, 88.2, 96, 176.4, 192
- resolution [bits]: 16, 24
- channels: stereo, mono
- The audio player supports reading of FLAC content stored in native FLAC containers. Supported file name extensions: *.flac
- FLAC comments and ID tag support
The audio player supports decoding of FLAC comments.
Note: There is no specification for tag names. The system relies on the OSS implementation.
Tag names decoded: TITLE, ALBUM, ARTIST, GENRE.
Note: ID3v2 tags for native FLAC and FLAC containers are out of standard but should be supported if placed at the beginning of a file, see the FLAC-FAQ.
- Gapless FLAC

Supported Uncompressed LPCM , WAV, AIFF encoding parameters

Supported LPCM encoding parameters

- sampling rates [kHz]: 44.1, 48, 96, 192
- resolution [bits]: 16, 24
- channels: stereo, mono
- Gapless LPCM, WAV, adnd AIFF
- Supported file name extensions: *.wav, *.aiff, *.aif. (AIFF-C not supported)
- The audio player supports extraction of INFO chunks in WAV containers for the following metadata tags: TITLE, ALBUM, ARTIST
- The audio player supports reading of uncompressed LPCM content stored in AIFF containers.
- Support of ID3 chunks in AIFF containers

Supported AAC (AAC-LC /HE-AAC/HE-AAC v2) encoding parameters

- sampling rates [kHz]: 32, 44.1, 48, 96
- resolution [bits]: 16
- bit rate [kbps]: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192
- channels: stereo, mono
- The audio player supports reading of aac content stored in single stream aac files and mp4 containers.
Supported file name extensions: *.aac, *.m4a
Note: m4b containers are supported for playback only; bookmarks, chapter markers, hyperlinks, images and other metadata embedded in m4b containers are not supported.
Note: Single stream aac files and mp4 containers support ID3 tagging, hence extraction of that metadata is covered by extraction of ID3 tags for mp3 content.
- AAC ID3 tags support
- The audio player supports decoding of ID3v1 and ID3v2 tags in containers
The audio player supports decoding of AAC comments.
Note: There is no specification for tag names. The system relies on the OSS implementation.
Tag names decoded: TITLE, ALBUM, ARTIST, GENRE.
- Gapless AAC: Playback is gapless if the M4A container provides encoder delay and padding information according to iTunes tags, or encoder delay according to Nero tags.

Supported WMA encoding parameters

- sampling rates [kHz]: 32, 44.1, 48
- resolution [bits]: 16
- bit rate [kbps]: 48, 64, 96, 128, 192
- channels: stereo, mono
- The audio player supports reading of wma content stored in native wma files.
Supported file name extensions: *.wma
- The audio player supports extraction of ASF metadata from native wma files.

Supported ALAC encoding parameters

- sampling rates [kHz]: 44.1, 48, 88.2, 96, 176.4, 192
- resolution [bits]: 16, 24
- channels: stereo, mono
- Supported ALAC containers and file extensions
The audio player supports reading of ALAC content stored in mp4 containers.
Supported file name extensions: *.m4a
- ALAC ID3 tags support
The audio player supports decoding of ALAC comments.
Note: There is no specification for tag names. The system relies on the OSS implementation.
Tag names decoded: TITLE, ALBUM, ARTIST, GENRE.
- Gapless ALAC
Note: For correct gapless decoding, the container must provide correct encoder delay metadata (or no encoder delay at all!), which is different from lossy compression formats like AAC.