

# Dolby Digital Consumer

## Comprehensive A/C Codec Library

Largest video codec libraries on earth, supporting nearly every major format in use today in both consumer and professional Markets.



The MainConcept Dolby® Digital Consumer SDK Packages support Dolby's surround sound technology that delivers high-quality digital audio for up to 5.1 discrete channels (L/C/R/LS/RS/LFE). It is the worldwide audio standard found in DVD players, broadcasted HDTV channels, IPTV solutions, etc. The AC-3 standard is based on the ATSC A52 Revision B specification.

Dolby Digital Consumer is available as 32-bit and 64-bit for Windows, Mac OS X and Linux.

Please note that you have to be a Dolby licensee, i.e. you have to be registered at Dolby, in order to evaluate the MainConcept Dolby® Digital Consumer SDK. Otherwise, we cannot provide you with an SDK for evaluation.

## MAINCONCEPT DOLBY DIGITAL CONSUMER SDK PACKAGES

### DOLBY DIGITAL CONSUMER ENCODER SDK

Dolby Digital Consumer Encoder with AC-3 support for consumer solutions

### DOLBY DIGITAL CONSUMER DECODER SDK

Dolby Digital Consumer Decoder with AC-3 support for consumer solutions

## FEATURES

- Encodes PCM audio streams to AC-3 audio streams.
- Supports output bit rates from 64 to 640 kilobits per second.
- Support 48000 Hz sample rate.
- Supports up to six audio channels

MainConcept Dolby Digital Technology Comparison:		
	Dolby Digital Consumer	Dolby Digital Plus Pro
Dolby Format	AC-3	AC-3 & EAC-3
Output bitrates	64 to 640 kbit	32 kbit to 6 Mbit
Sample rates (Hz)	48000	32000, 44100 or 48000
Channels	5.1	5.1 (7.1)
Discrete channel support	No	Yes
Core Plus extension	No	Yes
Metadata support	No	Yes
Usage areas	DVD, IPTV, HDTV channels, etc.	Blu-ray, Bonus View, BD-Live, IPTV, HDTV channels, etc.
Encoder control	Basic	Full control
Algorithm complexity (CPU, MIPS, Memory) requirements	Low/Medium	High
Advanced volume control leveling	No	Yes
Flexibility and control of Bandwidth	Limited	Wider range
Flexibility and control of Audio reproduction	No	Yes

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## COMPONENTS

### DOLBY DIGITAL CONSUMER ENCODER SDK

Dolby Digital Consumer Encoder

### DOLBY DIGITAL CONSUMER DECODER SDK

Dolby Digital Consumer Decoder

## TECH SPECS

- Microsoft® Windows® XP, Vista, Windows 7, Windows 8, Windows 10 (32-bit/64-bit)
- Apple Mac OS X 10.6 or higher (Mac/Intel), (32-bit/64-bit)
- Linux Ubuntu 10.04 LTS (32-bit/64-bit)

For Windows, Mac OS X and Linux, the codec package consists of a Low Level API (in the C programming language). Under Windows, it additionally includes DirectShow® filters for decoding and encoding.

**MORE INFORMATION:**  
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**REQUEST YOUR DEMO SDK:**  
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