



MINNETONKA AUDIO™
THE TELOS ALLIANCE®

OEM
SOLUTIONS

Powering the Sound of your Solution

Minnetonka Audio, part of the TV Solutions Group of the Telos Alliance, is the premier solution for software developers who require codec support in their own application, service, or in their on-premise or cloud-based solutions. From the award-winning SurCode OEM offerings for Dolby® encoding and decoding to the new Linear Acoustic® APTO™ adaptive loudness control to upmixing and more, the Minnetonka Audio OEM Audio family offers certified and ready-to-use software development kits (SDKs), improving time-to-market and adding the value of the technology within an affordable plan.

OEM Packages Codecs

SURCode

SurCode is the global leading brand of broadcast standard plug-ins, applications, and SDKs. With support for all major codecs, SurCode users know that encodes will meet the format specification and be broadcast-ready. For television, radio, corporate, industrial, games, OTT or Mobile/Hybrid - anywhere audiences demand compelling high-fidelity content - SurCode delivers.

- Dolby® Digital (consumer and professional)
- Dolby Digital Plus
- Dolby Pro Logic II
- Dolby Transcoder
- Dolby E
- Fraunhofer AAC
- Fraunhofer HE-AAC
- Fraunhofer MPEG-H
- DTS:X
- DTS-HD Master Audio
- DTS-HD High Resolution Audio
- DTS Express
- DTS ES
- DTS 96/24
- DTS Digital Surround
- DTS Music Disc

And more ...



Loudness

Linear Acoustic APTO™

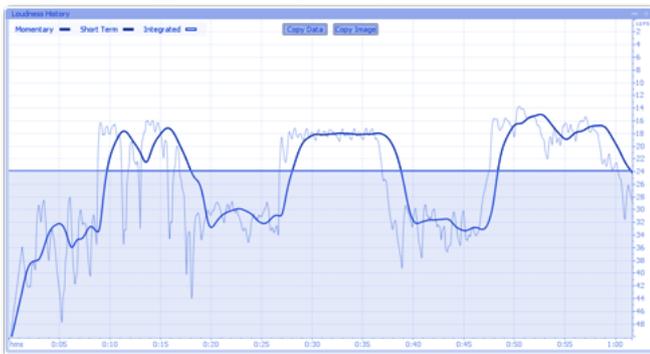


Linear Acoustic® APTO™ is a state-of-the-art loudness processing solution designed to control loudness levels of real-time audio streams or of file-based assets. Its adaptive algorithm enhances the listening experience, improves dialog intelligibility, prevents listener annoyance, and provides uncompromised loudness consistency that meets compliance regulations without audibly affecting the original sound quality and creative intent.

Equipped with easy-to-use preconfigured profiles as well as a full complement of user-customizable settings, Linear Acoustic® APTO provides the best listening experience for any type of playback environments including DVB, DTT, OTT, Radio, gaming, web audio, streaming, mobile, inflight entertainment and more. It can be optionally bundled with Emmy™-award winning Linear Acoustic® UPMAX® upmixing and downmixing technologies.

A special version of APTO with an exceptionally small resource footprint had been developed for controlling loudness and improving dialogue intelligibility directly within the playback device. Possible applications include media apps on mobile phones and customized apps or for specific applications such as in-flight entertainment.

BEFORE PROCESSING



AFTER PROCESSING



Upmixing

Linear Acoustic® UPMAX®

Emmy™-award winning Linear Acoustic® UPMAX® offers the most stable and trusted upmix algorithm in use today for both production and unattended operation, providing mono and 2-channel upmixing to 5.1, 5.1+4, 7.1, 7.1+2, and 7.1+4. Of equal importance for stereo and mono viewers is its ability to provide a fold-down program that is indistinguishable from the original source. By providing an abundance of controls for critical upmixing parameters, the resulting upmixed “surroundfield” can be infinitely adjusted, allowing programming ranging from simple stereo audio to an LtRt downmix to be appropriately reproduced through a multi-channel playback system. Optional bass enhancement for the LFE channel allows a subwoofer channel to be created without compromising the downmix.

Fingerprinting

AudioTools AudioMatch

AudioMatch is an OEM module whose algorithms mimic human hearing to analyze an audio sample and reliably find a copy of that sample in any audio file or stream. AudioMatch makes it is easy to find the audio needle in the programming haystack by answering such questions as, “How many times did this commercial play in a day of programming?”, “Did this edit make it into this audio file?”, or “Where in the 2-hour show did the interviewer speak this phrase?”

AudioMatch can find a single occurrence or multiple occurrences to give you not only the count but also the exact time or location of each occurrence. AudioMatch works with mono, stereo, and multi-channel audio sources.

Additional audio algorithms and technologies from the TELOS ALLIANCE are available upon request.

The Minnetonka Audio Back Story

Minnetonka Audio Software traces its roots to a software engineering services firm, Minnetonka Software, Inc (MSI), formed in 1986. Through its relationships in the audio industry, MSI delivered audio drivers, plug-ins and editing applications to many OEM customers. In 1989, MSI developed the first professional-level graphical audio editing software for PC platforms, incorporating many innovative features that set the standards in the industry.

Minnetonka Audio Software, Inc. (MASI) was formally incorporated in 1998 with the charter to produce professional quality digital audio editing products. As the technology evolved, MASI maintained a position as a technology leader and was the first to produce a multi-track surround sound editor, Mx51. The discWelder series of products for authoring DVD-Audio discs continued the company's lead in supporting high-resolution and surround audio formats. The discWelder product line spans the diverse needs of both the professional and the mass-market home user.

In 2015, Minnetonka Audio was acquired by The Telos Alliance and merged with Linear Acoustic to form the TV Solutions Group. Minnetonka continues its industry leadership with the development of the SurCode series of audio encoding products to support industry-standard formats. SurCode has quickly become the “go to” brand of ready to use, surround sound technology, as plug-ins for popular DAWs and NLEs, and as stand-alone software. A leading provider of pro audio OEM solutions, all technologies are licensable for Windows, Mac OS and Linux, along with most all workstation platforms and operating environments.



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+1-952-449-6481 | +49-2162-1062622 | minnetonkaaudio.com

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