MPEG SMR

SYMBOLIC MUSIC REPRESENTATION
MPEG SMR DECODER FOR MPEG4 PLAYER

i-maestro

ISO/IEC JTC1/SC29 WG11
MPEG
MOVING PICTURE EXPERTS GROUP

INTERACTIVE MUSICNETWORK
multimedia

we elmusic©

www.interactivemusicnetwork.org/mpeg-ahg/
www.i-maestro.org

MPEG SMR is an emerging standard part of MPEG-4 as well as and independent standard format for music representation.

For your innovative music content based applications and businesses:
- **New music education** integrating multimedia and music representation
- **New music entertainment** integrating multimedia for navigation and synchronization
- **New music based karaoke**, music subtitles during concerts and operas

Distribution

- School Server
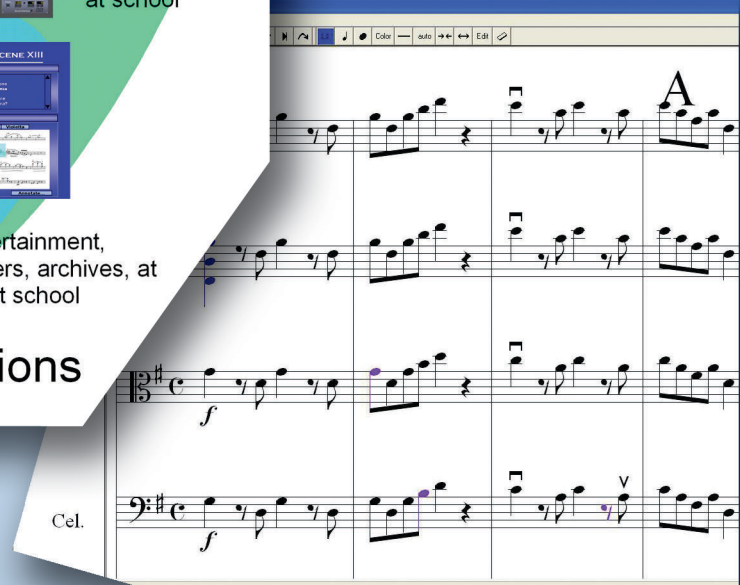- Archive
- Distributor
- Producer
- …

For music education at home, at school

For entertainment, in theaters, archives, at home, at school

End-user Devices

Applications

MPEG SMR permits the realization of content for exiting music experiences of final-users in which multimedia and music representation take advantage and enrich each other.

The final user has a high interactivity with MPEG SMR:

• Play, stop, pause, ...buttons
• Slider for browsing into the music notation
• Labels to jump at specific points into the music
• Transposition of music notation, to make it readable in different tonality
• Selecting to view the main score, and/or the single part of whole music orchestra
• Edit music representation symbols

Available tools provide support for the realization of your MPEG SMR solution with:

• **Music Editing tools** for producing MPEG SMR from other music notation formats and manually
• **MPEG SMR decoder** which can be integrated into your MPEG-4 decoder
• **MPEG SMR decoder integrated into a simple MPEG-4 player** for demonstrative and test purposes, supporting streaming and file access

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