

Elecard MPEG2 Player

Introduction

If you are reading this guide, it means that you have made the right choice. You have chosen Elecard MPEG2 Player – one of the best MPEG2 players available on the software market. Just try to watch a film by means of this Player and you will never be able to refuse the pleasure of enjoying high quality audio and video provided by Elecard MPEG2 Player.

We are sure that after you read this guide, you will understand how it is easy to use Elecard MPEG2 Player and to be completely satisfied watching your favorite video.

So, welcome to a new world of entertainment with Elecard MPEG2 Player!

Useful terms

- **MPEG1, MPEG2 (Motion Picture Expert Group)** – media standard for video and audio storage and transmission.
- **DirectShow®** – a basic technology for Microsoft® Windows™ compatible multimedia software components.
- **Decoding** – MPEG2 or MPEG1 video is encoded in a format where a large amount of video and audio data is represented by relatively small number of bits by removing natural redundancy (also called Compression).
- **Program Stream** - multiplexed VES (video elementary stream) and AES (audio elementary stream)
- **Transport Stream** – Several-multiplexed PES (packetized elementary streams) of video and corresponding audio for one or several programs. Used primarily for digital TV broadcasting.
- **SVideo CD**- special CD standard used for Video recording in MPEG2 format.
- **VOB** – Video Object MPEG2 file from DVD

Description

Elecard MPEG2 Player is the fully DirectShow® compliant software for today's PC. It is a real time software-only MPEG2 Player, providing high resolution, full quality decoding of MPEG2 and MPEG1 streams, optimized for the most efficient CPU usage. It also can play all common multimedia formats - AVI, WAV, MP3, MOV, etc., which have DirectShow® compatible codecs installed on a system.

Specifications:

Supported stream formats:

- MPEG-1 Systems
- MPEG-1 Video Only
- MPEG-1 audio
- MPEG-1 (VideoCD)
- MPEG-2 Program Stream
- MPEG-2 Program stream with AC3 audio (VOB)
- MPEG-2 Video Only

- MPEG-2 Transport Stream
- MPEG-2 HDTV (including ATSC)
- PIM2 (AVI including MPEG2 format)
- SVideoCD.

MPEG-2 Video Profile and Level

- Up to 4:2:2 @ HL

Audio

- AC3 audio (Sampling rates: 32, 44.1 and 48 kHz, mixed down from 5.1 to 2 channels - Dolby™ Pro Logic and Stereo)
- MPEG1 Layer (1, 2, 3)
- MPEG2 audio

Features:

- High definition video playback/decoding
- Real time high resolution video playback at 720x480 @ 30fps for NTSC, 720x576 @ 25fps for PAL playback on Pentium II 450 MHz with DirectX compatible video card supporting YUV overlay
- Displays correct aspect ratio
- Full screen mode.
- Video frame capturing (pixel by pixel, aspect ratio or user defined).
- DirectShow and ActiveMovie compliance
- MPEG2 (ISO/IEC 13818) Transport and Program and Video Stream, MPEG1 (ISO/IEC 11172) Systems and Video streams playback,
- Supports all 18 ATSC formats
- AC-3 decoding.
- Audio MPEG-1 Layer (1, 2, 3)
- Audio MPEG-2

Exclusive features:

- Plays back virtually any common multimedia format – AVI WAV, MP3, MOV etc.
- In addition to common features in any multimedia player, such as - Play, Pause, Stop; Elecard MPEG2 Player implements some extra features applicable to MPEG-2, MPEG-1, VideoCD, and VOB etc.: forward/backward step by frame, step by a second, fast forward/rewind and grab current frame.
- Start playback in full screen mode option
- Opens URL for playback
- GOP-accurate MPEG2 Trimming (for registered users only)

How to install Elecard MPEG2 Player:

- Run Elecard MPEG2 Player Installer - Elecard MPEG2 Player V1.X.exe
- After the Installer offers to choose Destination Directory you may choose the directory you need or setup to a default one.

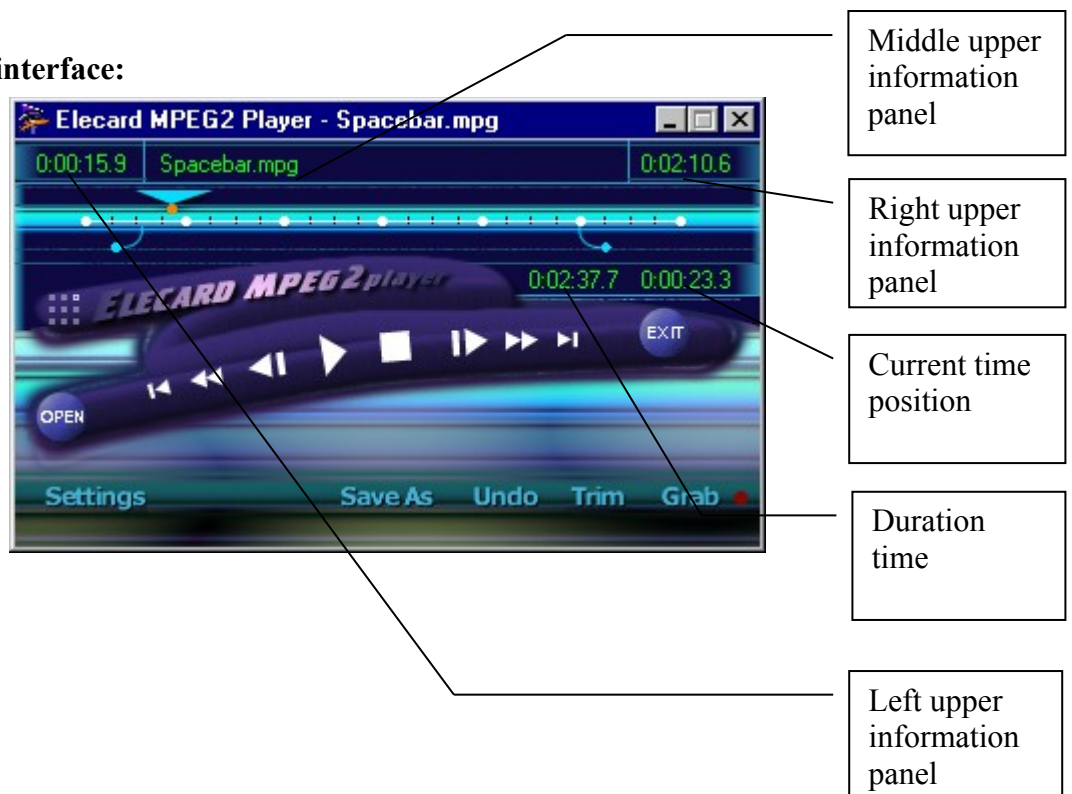
- During installation the program copies and registers DirectShow® filters (Elecard MPEG2 Demultiplexer, Elecard MPEG2 Video Decoder, Moonlight Odio Dekoda, etc.)
- After you click "Finish" the program is ready to run and doesn't require to reboot your computer.
- The program runs after clicking "Start" → "Programs" → "Elecard" Program Group → "MPEG2 Player."

How to uninstall Elecard MPEG2 Player:




- The program runs after clicking "Start" → "Programs" → "Elecard" Program Group → "Installer".
- During uninstallation all the above-mentioned filters and programs are uninstalled.


















Controls and Shortcuts

Main interface:

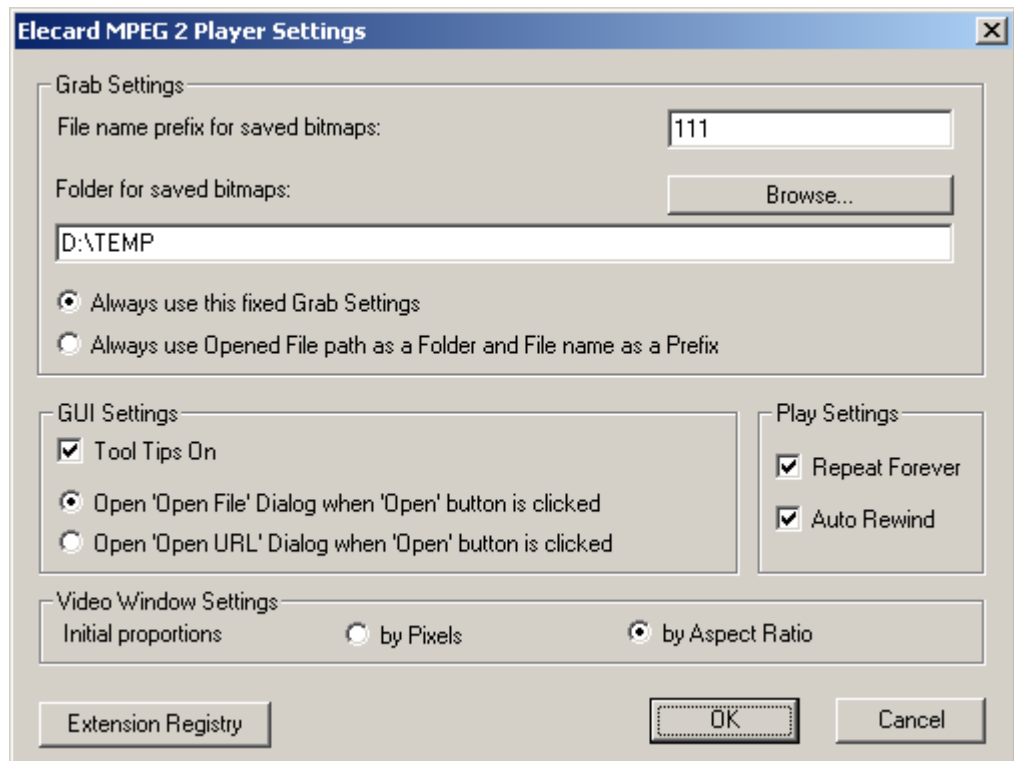


Controls and Shortcuts:

Buttons	Functions	Hot keys
 Open	Opens a new file for playback.	
 Play	Starts playback of a file from the current position	<space> - for switching from Pause
 Pause	Pauses playback of the file when you like	<space> for switching from Play
Left upper information panel	Shows the time of beginning position for Play and Trim	—

Middle upper information panel	Shows the currently played file	—
Right upper information panel	Shows the time of ending position for Play and Trim	—
 Left flag	Limits the starting point from the moment the playback and trimming begin.	NO
 Cursor	Points the current position in the file played	—
 Right flag	Limits the stopping point for playback and trimming	NO
Digits in the left lower information panel	Shows the duration of the file played.	—
Digits in the right lower information panel	Shows the current position of the file played.	—
 Begin	To go to beginning position for play and trim	<Home>
 Fast backward	Fast backward scroll the video	—
 by Frame backward	Step by frame backward (or by second if <Ctrl> key is pressed)	<<-> (<Ctrl> + <<->)
 Stop	Stops playback (rewinds it back to the starting position if auto rewind is on)	—
 by Frame forward	step by frame forward (or by second if <Ctrl> key is pressed)	<-> (<Ctrl> + <->)
 Fast forward	Fast forward scroll the video	—
 End	To go to end of a clip	<End>
 Exit	Allows you to exit the Player.	<Esc>
 Save as	saves the trimmed part of the MPEG file as another file. Available only in registered version.	—
 Undo	Undo all trimmed actions if the chosen part not saved yet.	—
 Trim	Trims MPEG file in position chosen by trim flags (Start and Stop position)	—
 Grab	Grabs current frame and saves it in Windows Bitmap file.	<Ctrl> + <G>
 About	About Elecard MPEG2 Player	
—	Resizes from any size to the size that has set in the “Video Window settings”	<Ctrl> + <S>
—	Switches On/Off Full Screen Mode Off Full Screen Mode	<Alt> + <Enter> <Esc>
Right mouse	Opens properties of playback file (only for MPEG-1 or MPEG-2)	—
 Settings	Setting – look settings	NO

Settings:



Grab Settings

- “Always use this fixed Grab Settings” switches settings for fixed folder and prefix will be used for grabbed bitmap-files.
- File name prefix for saved bitmaps sets fixed prefix for names of grabbed and saved bitmap-files
- “Browse...” button - sets fixed folder in which grabbed bitmap-files will be saved.
- “Folder for saved bitmaps” field shows fixed folder in which grabbed bitmap-files will be saved.
- “Always use Opened File path as a Folder and name as a Prefix” switches settings for grabbed bitmap-file will be generated from the opened file path and name.

GUI Settings

- Tool Tips On – if checked tool tips are enabled.
- Open “Open File” Dialogue ...- radio buttons for switching Open Dialogue mode (Open File <->Open URL)

Play Settings

- Repeat Forever – if checked playback will be repeated forever
- Auto Rewind – sets rewind when done playing or stopped option

Video Window Settings

- By Pixel— if checked playback will be displayed as "pixel by pixel" initial proportions
- By Aspect Ratio— sets starting of playback by aspect ratio initial proportions

Requirements:

Software:

Elecard MPEG2 Player based on Microsoft® DirectShow® technology. Works under all Windows® 9x, Me family Operating Systems as well as under WindowsNT® 4.0 and Windows® 2000, Windows® XP. (for Windows® NT 4.0 and Windows® 95 it is necessary to download DXMedia® Runtime <http://www.microsoft.com/windows95/downloads/contents/wuother/directxruntime/default.asp?site=95>).

Hardware:

MMX-enhanced CPU (Intel® Pentium® MMX, Pentium® II, Celeron®, Pentium® III, AMD® K6-2, K-6, Athlon®, etc.)
32 MB RAM
Any VGA card

Licensing

The program is distributed in two ways - shareware and OEM. Additional information is available at: <http://www.moonlight.co.il> This package includes Elecard MPEG2 Demultiplexer, Moonlight Odio Dekoda, Elecard MPEG2 Video Decoder, Elecard Trim filter (registered version only).

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