About Splash PRO EX

The ultimate HD video player!

Thank you for choosing Splash PRO EX product. With Splash PRO EX you can play and convert all your High Definition movies and camcorder clips in outstanding quality, incredibly fast and without problems.

Mirillis company puts great effort in providing highly optimized, multi-core and GPU enabled audio/video codecs and advanced video post-processing algorithms. Together with ultra responsive, stylish and user friendly interface Splash PRO EX lets you enjoy your videos like never before – smooth motion, crisp details and vivid colors.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum System Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Recommended System Requirements</td>
<td>5</td>
</tr>
<tr>
<td>Installation</td>
<td>6</td>
</tr>
<tr>
<td>Activation</td>
<td>7</td>
</tr>
<tr>
<td>User Interface Overview</td>
<td>8</td>
</tr>
<tr>
<td>Control Panel Buttons</td>
<td>10</td>
</tr>
<tr>
<td>Audio &amp; Video Files Playback</td>
<td>11</td>
</tr>
<tr>
<td>TV Mode / Fullscreen Banner</td>
<td>13</td>
</tr>
<tr>
<td>AVCHD Playback</td>
<td>14</td>
</tr>
<tr>
<td>AVCHD Camcorder</td>
<td>16</td>
</tr>
<tr>
<td>Playlists</td>
<td>17</td>
</tr>
<tr>
<td>Playback Options</td>
<td>19</td>
</tr>
<tr>
<td>Picture²</td>
<td>21</td>
</tr>
<tr>
<td>Exporting</td>
<td>22</td>
</tr>
<tr>
<td>Uploading to YouTube</td>
<td>25</td>
</tr>
<tr>
<td>Uploading to Facebook</td>
<td>26</td>
</tr>
<tr>
<td>General Settings</td>
<td>27</td>
</tr>
<tr>
<td>Video Settings</td>
<td>28</td>
</tr>
<tr>
<td>Audio Settings</td>
<td>29</td>
</tr>
<tr>
<td>Subtitles Settings</td>
<td>30</td>
</tr>
<tr>
<td>EcoMode</td>
<td>31</td>
</tr>
<tr>
<td>Export Settings</td>
<td>32</td>
</tr>
<tr>
<td>Keyboard Shortcuts</td>
<td>33</td>
</tr>
<tr>
<td>Remote Control, Banner, Command line</td>
<td>34</td>
</tr>
<tr>
<td>Operating Systems Restrictions</td>
<td>35</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>36</td>
</tr>
<tr>
<td>Technical and Customer Support</td>
<td>37</td>
</tr>
</tbody>
</table>
MINIMUM SYSTEM REQUIREMENTS

For Standard Definition audio/video playback.

OPERATING SYSTEM
Windows® XP(SP3), Windows Vista®, Windows 7
DirectX® and latest graphics card drivers

RAM MEMORY
512MB

HARD DISK SPACE
50MB

GRAPHICS CARD
Video Overlay support or DirectX® 9.0c compatible graphics card

SOUND CARD
DirectX® compatible
SPDIF/HDMI output required for audio bitstreaming.

CPU
Intel® Celeron® 1.4GHz or equivalent processor
(SSE2 required)

DISPLAY
Monitor: 59/60Hz, resolution: 800x600 or higher
# RECOMMENDED SYSTEM REQUIREMENTS

For High Definition audio/video playback and hardware accelerated video encoding

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>SPECIFICATION</th>
</tr>
</thead>
</table>
| **OPERATING SYSTEM**                 | Windows® XP(SP3), Windows Vista®, Windows 7  
DirectX® 9.0c and latest graphics card drivers |
| **RAM MEMORY**                       | 1024MB (1GB)  |
| **HARD DISK SPACE**                  | 50MB          |
| **SOUND CARD**                       | DirectX® compatible  
SPDIF/HDMI output required for audio bitstreaming.  
HDMI 1.3 output and Windows 7 is required for HD audio bitstreaming. |
| **CPU for Software HD Video Decoding**| Minimum dual core Intel® 1.66GHz or equivalent processor (SSE2 required) |
| **DISPLAY**                          | Monitor: 59/60Hz, resolution: 800x600 or higher |
| **GRAPHICS CARD**                    | DirectX® 9.0c Compatible Graphics Card  
ATI™ for GPU Hardware Acceleration  
ATI Radeon™ 2xxx, 3xxx, 4xxx, 5xxx, 6xx Series with ATI Avivo™ UVD support  
Intel® for GPU Hardware Acceleration  
NVIDIA® for GPU Hardware Acceleration  
NVIDIA GeForce® 8xxx, 9xxx, GT 1xx, GT 3xx, GT/GTX 2xx, GTX 4xx, GTX 5xx Series with NVIDIA® PureVideo® HD support  
Broadcom® for GPU Hardware Acceleration  
Broadcom® Crystal HD |
| **HARDWARE ACCELERATED VIDEO ENCODING** | Intel® Sandy Bridge processor with Intel® Quick Sync Video support.  
NVIDIA® graphics card with NVIDIA® CUDA support. |
Installation

Please remember to download Splash PRO EX installation file from a trusted source (eg. from Mirillis website).

Run Splash PRO EX installation file and follow the instructions on the screen. Splash PRO EX installation should take a minute or two.

After installation Splash PRO EX will be available as a 30 days trial. To continue using the application after this period a Splash PRO EX license purchase will be required.

File Associations

During installation you will be asked to associate video file types with Splash PRO EX. Following file types may be associated with Splash PRO EX automatically:

AVI, M2T, M2TS, M4V, MOV, MP4, MTS, TS, VOB, M4V, MKV
Serial Number
A trial version of Splash PRO EX can be activated with a product serial number. You need to purchase Splash PRO EX or Splash PRO EX UPGRADE product to get a serial number. Valid e-mail address will be required for product purchase.

Remember to keep your serial number safe!

Splash PRO EX Activation
Open "About" window from the right mouse button menu (the "About" window pop-ups automatically when you close the trial version and when your trial period has expired).

Click "Activate" button to show "Activate" window, select your activation type, enter your name and product serial number. Please make sure that you have entered the product serial number correctly. Click "Activate" button.

Please note that a valid Splash PRO serial number will be required for activation when “Splash PRO EX UPGRADE” activation type is selected.

If you have any questions or problems with Splash PRO EX activation please read Purchase/Activation FAQ on Mirillis website or contact us at support@mirillis.com
USER INTERFACE OVERVIEW

PLAYBACK OPTIONS WINDOW

TOP MENU PANEL

PLAYLIST WINDOW

SPLASH SCREEN / VIDEO AREA

PLAYBACK CONTROL PANEL
Top menu panel
Menu panel contains several buttons allowing fast access to basic actions. To show menu panel move your mouse cursor to the top of the Splash PRO EX window.

- **Open File**
  Click this button to open audio and video files.

- **Open Folder**
  Click this button to open folder with audio/video files.

- **Subtitles**
  Click this button to open subtitles from a file.

- **Settings**
  Click this button to check or change your settings.

- **Playback Options**
  Click this button to show/hide playback options panel.

- **HD Camcorder**
  Click this button to browse video clips on your camcorder.

- **Export**
  Click this button to show/hide Export and Upload window. Export button also shows the current state of Exporting or Uploading process:

  - Export in progress
  - Upload in progress
  - Export or Upload completed.

About window
Use right mouse button menu to show “About” window, it shows information about current version of Splash PRO EX and is used for product activation.

Right mouse button menu
To show right mouse button menu please click right mouse button on Splash PRO EX video area.

Right mouse button menu contains several functions/actions that are also available from top menu panel and playback control panel.
CONTROL PANEL BUTTONS / ICONS

- **Show Information (i)**: Information about current playback.
- **Capture Frame (c)**: Captures current video frame to a file.
- **Audio Track**: Shows alternative audio tracks list.
- **Subtitle Track**: Shows internal subtitles list.
- **Video Track**: Shows alternative video tracks list.
- **GPU**: GPU is used for video decoding.
- **Motion²**: Motion² is ON.
- **Motion² / GPU**: Motion² is ON and GPU is used for video decoding.
- **Playback Options (o)**: Shows and hides Playback Options window.
- **Stop (s)**: Stop playback.
- **Previous File (PgUp, Ctrl+ArrowUp)**: Plays previous file in current folder/playlist.
- **Play (Space)**: Starts/resumes playback.
- **Pause (Space)**: Pauses playback.
- **Next File (PgDn, Ctrl+ArrowDn)**: Plays next file in current folder/playlist.
- **Step Frame (f)**: Shows next video frame.
- **Show Playlist (p)**: Shows/hides Playlist window.
- **Warning Message**: Show Warning message window.
- **Titles and Chapters**: Shows titles/chapters menu.
- **Loop (L)**: Playback loop ON/OFF.
- **Mute (m)**: Mute ON/OFF.
- **Volume (+, -)**: Splash volume control.
Open Files / Open Folder
To open file(s) use “Open File” or “Open Folder” icon on the top menu panel or drag&drop files into the Splash window. Automatic playback starts after file open. Double click on splash screen or video area to set fullscreen mode ON/OFF.

Supported video file types:
AVI, M2T, MTS, M2TS, MOV, MP4, MPG, TS, M4V, VOB, DIVX, XVID, MKV

Supported audio file types:
MP3, MP2, AAC, M4A

Control Playback
To show control panel in fullscreen mode move your mouse cursor to the bottom of the screen. Control panel displays information about opened file and playback status. Play previous or next file in current folder/playlist by clicking or with a keyboard (PgUp/PgDown). Use Left/Right arrows for seeking.

Smart Seek
Discover Smart Seek, advanced seek mode designed to find specific movie scenes without interrupting video playback. Smart Seek enable/disable option is available in Settings/General tab.
Subtitles

Internal Subtitles
After opening a video file, there will be a subtitle icon visible on the control panel, informing that there are internal subtitle tracks available. Click subtitle icon to show subtitle tracks list. To disable internal subtitle track select “disable” form subtitle tracks list.

External Subtitles
Click „Subtitles“ button on the top menu panel to open external subtitles. Use subtitle icon to disable or enable opened external subtitles. Please note, that in this version internal subtitles are not available after opening external subtitles. 

TIP: Re-open video file to make internal subtitles available again.

Audio tracks
Audio track icon displayed on control panel informs that alternative audio tracks are available. Click audio track icon to show audio tracks list.

Video tracks
Video track icon displayed on control panel informs that alternative video tracks are available. Click video track icon to show video tracks list.

Capture frame
Press “c“ on keyboard or an icon on control panel to capture currently displayed video frame. All frames are saved on hard disk (BMP format) in users Pictures directory.
**TV MODE / FULLSCREEN BANNER**

**Fullscreen Banner**
Press INFO button on your remote control or ArrowDown/BackSpace on a keyboard to show/hide the banner in fullscreen mode.

Use ArrowUp/ArrowDown buttons to browse playlists, press OK button to start playback of selected playlist.

Use ArrowLeft/ArrowRight buttons to browse files on current playlist, press OK button to start playback of selected item.

**Banner icons**
- ![Audio](image) Alternative audio tracks are available
- ![Subtitle](image) Subtitle tracks are available
- ![Resume](image) Resume option is available

**Resuming playback**
Press GREEN button on your remote control to resume playback.

**Banner Playback Options**
You can use playback options to change Audio tracks, Subtitle tracks and Display format.

Press MENU button on remote control or “o” on a keyboard to show banner playback options. Use Arrow buttons to change options, press OK to hide a banner.

**Remote control button TIPS:**
- RED button - next audio track
- YELLOW button - next subtitle track
AVCHD PLAYBACK

AVCHD playback start

Automatic start
Open Splash PRO EX and insert the medium. Splash will automatically start AVCHD playback.

Manual start
You can manually start AVCHD playback:
- when medium is inserted open Splash and press “Play” button
- use “Open” option from right mouse button menu to select a medium
- or use top menu “Open folder” button to open AVCHD/BDMV folder

Playback control
Use bottom control panel buttons to play, stop and pause playback. You can also skip playback to next chapter or skip back to previous chapter.

Control panel menu

Restart
Use this option to play First Playback Title.

Menu
Use this option to start the Menu Title. *Shortcut: press “Backspace” during playback to call Menu Title.*

Resume
Use this option to resume playback of the last played Title.

Titles list
Use this list during playing or in Menu to start playback of selected title.
AVCHD PLAYBACK

Menu navigation
Use your keyboard / remote control arrows and enter/OK buttons for navigation.

Chapter search
Use “Chapter” list from right mouse button menu to start playback of selected chapter.

Audio tracks
Audio track icon displayed on control panel informs that alternative audio tracks are available. Click audio track icon to show audio tracks list.

Overlay bitmap/Subtitles
Click the icon (if available) to enable / disable overlay bitmap or subtitles.

Fast Forward and Rewind
Use keyboard buttons for fast forward and rewind. The maximum speed is x128.

Time Search
Move mouse cursor over the progress bar to show time preview. Use left mouse button to start playback from selected position.
AVCHD CAMCORDER

Camcorder browsing
Splash PRO automatically detects AVCHD camcorder connected to PC and provides browsing clips with interactive menu or with standard playlists.

Playlists
HD Camcorder playlist is created every time when you connect your AVCHD camcorder to PC. This playlist is deleted as soon as you disconnect camcorder from PC.

Interactive menu
Select HD Camcorder icon from top menu panel to start browsing camcorder clips with interactive menu. Start playback of selected movie title by a mouse click or press “Enter” on keyboard, press “Backspace” to return to menu title during video playback. To disable interactive menu mode press “stop” button on the control panel.

Use control panel submenu to go back to main menu or to browse available movie titles.

Switching fullscreen mode with “Enter” is disabled in HD Camcorder clips menu mode.
PLAYLISTS

Playlist window
To show/hide a playlist window click playlist icon on control panel or press “p” on keyboard. Expand the playlist window horizontally to display more information about an item.

Managing playlists
Use icons on the top of the playlist window to manage your playlists. You can rename playlist, change playlist, create new playlist, delete current playlist and import/export.

Adding files
Use “Add files to playlist” icon from bottom playlist panel or drag&drop files onto playlist window. New files will be added at the end of the playlist.

Removing files
You can remove files from playlist by using delete icon on the list, by using icons on bottom playlist panel or by pressing DEL on the keyboard.

Search
Enter text string in the bottom playlist panel search box, search results will be displayed as selected items on the playlist. Please note that search filters only the beginning of file names.

HD Camcorder automatic playlist.
HD Camcorder playlist is created every time when you connect your camcorder to PC. This playlist is deleted as soon as you disconnect camcorder from PC.

Playback resume.
Use button to resume playback of selected file.
PLAYLISTS

Thumbnail view
Use “Change mode” button to switch to thumbnail view.

Use “Capture thumbnail” button to create a thumbnail with currently displayed video frame.

Selecting files
You can easily multi select files on the playlist with SHIFT and CTRL buttons. Playlist header shows the number of selected files and total number of files in playlist.

Moving files
Click with left mouse button on selected file and hold it down, move mouse cursor to the top or bottom of playlist to move selected file or group of files. A blue pointer shows the place where files will be moved, and the number on the file icon shows how many files will be moved.

Renaming files
Select a file that you want to rename by left mouse button click. After short timeout click the file name again with left mouse button to rename it.

Sorting
Click the “Name” header to change the sorting method of the playlist. There are three sorting methods available: by Name (ascending), by Name (descending) and manual order.

TIP: Manual order is saved and will not be lost. Click header once or twice to set manual order back.
PLAYBACK OPTIONS

Introduction

Playback Options window
To show/hide Playback Options window click playback options icon on the control panel (or top menu panel) or press the „o“ key.

Managing Presets
The presets are designed to quickly and easily change the entire sets of playback options. Use icons on the top of the Playback Options window to manage your presets. You can rename preset, change preset, create new preset, delete current preset and reset all settings to default values for current preset.

Video settings

Picture² - Just stunning video quality!
Advanced picture post-processing engine, delivering outstanding video quality. Features include:
• Best Quality (1080i to 1080p conversion)
• Motion²
• Detail Boost
• Light Boost
• Demo Mode

Basic video controls
Basic video controls allow to control video brightness, contrast and saturation.
### Playback Options

#### Audio settings

To show Audio playback options please select the audio tab.

**Audio Boost**

This option allows to boost audio volume up to 500% (please note that boosting audio volume of already loud sound can introduce unwanted distortions)

**AC-3 DRC**

This option controls AC-3 audio Dynamic Range Compression. Select “Compressed range” setting to boost audio volume for better experience on netbooks/laptops.

#### Stereo Downmix, 5.1/7.1 Settings

This group allows to control individual channel volume for stereo and multi-channel audio tracks.

- **Stereo speakers setup:**
  
  Full control of multi-channel audio downmix. Adjust every channel volume level to match your individual needs.

- **5.1/7.1 speakers setup:**
  
  You can easily adjust individual speakers volume level for ultimate home theater audio experience.
PICTURE\(^2\)
Advanced post-processing technologies delivering outstanding video quality

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**Playback Options window**
To access Picture\(^2\) options, show Playback Options window by clicking icon \(\bigcirc\) on control panel, icon on top menu or pressing "o" on keyboard.

**TIP:** It is recommended to disable any graphics card picture enhancement features before using Picture\(^2\).

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**Best Quality**
"Best Quality" setting lets you enjoy smooth video playback by converting 1080i video to 1080p.

**TIP:** Required for Motion\(^2\), Detail Boost, Light Boost, Demo Mode and basic video controls! Best Quality setting cannot be changed during video playback.

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**Detail Boost**
Advanced image post-processing algorithms provide sharp SD content output on HD display and make your HD videos look even better.

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**Motion\(^2\)**
Experience perfectly smooth video playback with Motion\(^2\), state-of-the-art technology converting 24/25/30p to 60p.

Set Motion\(^2\) to level 1-5 to double \(2x\) the video framerate. Set Motion\(^2\) to level 6-10 for ultra smooth 60p \(60p\) video playback.

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**Light Boost**
Intelligent lighting and color enhancement for vivid and bright playback experience. Combine Light Boost with Detail Boost and Motion\(^2\) for outstanding video experience.

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**Demo Mode**
Try Demo Mode to see the difference!
Introduction
Splash PRO EX allows to export various video file formats to MP4 file format. The exported video is coded using H.264/AVC video compression standard (the maximum supported output resolution is 1920x1080), exported audio is coded using AAC compression standard (supported outputs are Stereo or 5.1).

Export & Upload window
To show Export & Upload window click Export button on top menu panel or press „x” on the keyboard. To hide the window click Export button on top menu panel, press „x” on the keyboard or use "hide" icon in the top right corner of the Export window. Use “close” icon to close the window and stop exporting or uploading process.

Top menu Export button
Export button shows the current state of exporting or uploading process:
- Export in progress
- Upload in progress
- Export or Upload completed.

Export / Upload
Switch Export/Upload view using tabs on the top of the window. The START button at the bottom of the window starts exporting or uploading process.

The YouTube export profile contains 2 settings pages (export and upload settings) and automatically uploads a file after export is completed. Use buttons to navigate through YouTube profile settings pages.
**Input file**
Select a file using Input file button or drag&drop a video file onto Export window area. After selecting a valid input file all export settings will become available.

**Output profile**
Splash PRO EX output profiles contain popular video resolutions and pre-defined profiles for popular devices providing fast and easy exporting setup.

**Video quality**
Available video quality settings:
- Fast
- Normal
- High
Using video quality settings you can also change the output video resolution for pre-defined profiles.

**Video bitrate**
Splash PRO EX default video bitrate setting provides high quality video. You can lower the video bitrate setting to create smaller files or set higher bitrate for better video quality.

**Audio Track and Output**
With audio settings you can select the audio track, audio output format or disable audio output.

**Output size**
Shows the estimated size of exported file. Green color indicates that the exported file will be smaller than the input file, red color indicates that the exported file will be larger than the input file.
Hardware acceleration
The following icons are displayed whenever hardware acceleration is used during exporting:

- Hardware accelerated video decoding
- Hardware accelerated video encoding

Export completed
Export completed view contains short information about exported file and several icons providing fast access to popular actions:

- PLAY
  Starts playback of the exported file.

- OPEN FOLDER
  Opens the folder where the exported file has been saved.

- UPLOAD FILE
  Opens upload view with exported file selected as an input file.

Video playback during exporting
With Splash PRO EX you can export and watch HD videos at the same time. Please note that playback of HD video during exporting process requires a fast PC. If you experience any performance problems please stop video playback during exporting process.

Please note that using hardware accelerated video decoding during exporting process will disable the possibility of video playback in main Splash PRO EX window. Video playback will be available after stopping exporting process or when exporting process will be completed.
Input file
Select a file using Input file button or drag&drop a video file onto Upload window area.

Upload to
Select YouTube service.

Login and password
Enter your login/username and password for selected service. Your login will be remembered by default. If you want to remember your password please enable the "Remember password" option in Splash PRO EX Settings (Export tab).

Privacy
- Public (anyone can search for and view - recommended)
- Unlisted - means that only people who know the link to the video can view it. The video will not appear in any of YouTube’s public spaces, such as search results, your channel, or the Browse page, but the link can be shared with anyone.
- Private (only specific YouTube users can view)

Please read the Terms of Use displayed at the top of the window and press START button to upload a file to the selected service.
UPLOADING TO FACEBOOK

Input file
Select a file using Input file button or drag&drop a video file onto Upload window area.

Upload to
Select Facebook service.

Privacy controls:
- Public (Everyone)
- Private
- Friends Only
- Friends of Friends

Please read the Terms of Use displayed at the top of the window and press START button to login to Facebook and upload a file.

Facebook Login
Facebook Login window appears after pressing START button. Login to your Facebook account to start the uploading process.

Login is required only once per each Splash PRO EX startup.

You may be asked for SplashUploader authorization when using Splash PRO EX for the first time.
GENERAL SETTINGS

LANGUAGE
After installation Splash PRO EX automatically sets application language basing on your operating system language. You can change user interface language if required.

CHECK FOR UPDATES
This option enables automatic updates. Product update availability is checked on application start and application will ask you to install the update when it is available.

JUMP INTERVAL
Jump interval for seeking with arrow keys. **TIP**: hold SHIFT button to double the interval.

SMART SEEK
Discover Smart Seek, advanced seek mode designed to find a specific movie scene without interrupting video playback.

Smart Seek is not available when video playback is started from optical discs.

CAPTURE FRAME
This option lets you change destination folder for frame capture.

AUTO-RESUME PLAYBACK
This option enables/disables automatic resuming of video playback from a previously stored resume point. The resume point is created whenever the video playback is stopped beyond the first 3 minutes from the start of the video.
**VIDEO SETTINGS**

**HARDWARE ACCELERATION**
Hardware acceleration setting changes will take effect after stop & play or jump/seek for video files.

**DEINTERLACING**
You can use this settings to disable deinterlacing when required. Auto setting selects the best available deinterlacing algorithm when needed.

**MOTION²**
Enable Motion² Ultra 1080p option for the ultimate video quality. This feature is designed for processors with 4 (or more) cores.

**Automatic interlace detection**
Enable this option to automatically switch Motion² off for interlaced video playback.

*Please note that some progressive videos may be encoded as interlaced. Disable this option to enable Motion² for this kind of videos.*

**FULLSCREEN DISPLAY SETTINGS**

**Screen Format**
“Screen Format” describes aspect ratio of your display devices (monitors, TV sets, etc.).

**Display format**
Specifies how different video formats (4:3, 16:9 and Cinematic video) are displayed on selected “Screen Format” in fullscreen mode.

“Cinematic video” includes 1.85:1, 2:35:1, 2.40:1 etc.

**VIDEO OUTPUT**
Setting “Force Video Overlay” on may fix some problems with older graphics card models. It may also resolve performance issues on some graphics card models when using Hardware Acceleration combined with Motion².

*Setting change will take effect with next application start.*
AUDIO SETTINGS

OUTPUT MODE
Output modes available:
Stereo
Stereo with surround effect
5.1 Channel
7.1 Channel
SPDIF / HDMI Bitstream

AUDIO BITSTREAMING
S/PDIF or HDMI output is required for audio bitstreaming.

HDMI 1.3 compatible output and Windows 7 is required for HD audio bitstreaming.

LIPSYNC ADJUSTEMENT
You can use this option to adjust audio video synchronisation if required.
SUBTITLES SETTINGS

FONT PROPERTIES
You can change subtitles font properties:
- Font type
- Font size
- Font color

ENCODING
In this version only system default encoding is available.

AUTOMATICALLY LOAD SUBTITLES FROM FILE
Application will automatically open subtitles when internal subtitles are available (excluding PGS) or external subtitles are available in video file folder and external subtitles file name is similar to video file name.

DISPLAY SUBTITLES ON VIDEO
Enable this option to display subtitles on video area. Disable this option to display subtitles on area outside video (if possible).

You can adjust subtitles position manually using Right SHIFT + Arrow Up/Arrow Down.

SYNCHRONISATION ADJUSTMENT
You can use this option to synchronise subtitle track with video track if required.
ADVANCED POWER MANAGEMENT

Advanced Power Management is designed for mobile devices to minimize batteries power consumption. Save energy, save your money and enjoy longer video playback on batteries.

Advanced Power Management works during the video playback.

You can control your display brightness level if required. Remember that higher display brightness level means higher power consumption.

TIP: Use hardware acceleration for video decoding when available to significantly reduce power consumption.

BATTERIES INFO

With batteries info you can check:
- Power Source
- Battery life
- Expected battery life time
- Current battery power consumption or battery charging power
- Battery vendor
- Battery type
- Battery wear level
HARDWARE ACCELERATION
Use hardware acceleration for video decoding and encoding to speed up exporting process and lower CPU consumption.

Please note that using hardware accelerated video decoding during exporting process will disable possibility of video playback in main Splash PRO EX window. Video playback will be available after exporting process is completed or stopped.

TIP: Disabling Windows Aero during exporting may increase your graphics card performance and speed up exporting process.

DEINTERLACING
You can use this settings to disable deinterlacing during exporting process (interlaced video to progressive video transcoding). Auto setting selects the best available deinterlacing algorithm when needed.

UPLOAD SETTINGS
Selecting “Remember password” option will securely store (in encrypted form) your YouTube account password in Splash PRO EX configuration files.

EXPORT OUTPUT FOLDER
This option lets you change the destination folder for exported files.
## KEYBOARD SHORTCUTS

### FILES PLAYBACK CONTROL

<table>
<thead>
<tr>
<th>Action</th>
<th>Key Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Play/Pause</td>
<td>Space</td>
</tr>
<tr>
<td>Stop</td>
<td>S</td>
</tr>
<tr>
<td>Open Next File</td>
<td>PageDown, Ctrl+ArrowDown</td>
</tr>
<tr>
<td>Open Previous File</td>
<td>PageUp, Ctrl+ArrowUp</td>
</tr>
<tr>
<td>Frame by frame</td>
<td>F</td>
</tr>
<tr>
<td>Jump Forward</td>
<td>ArrowRight</td>
</tr>
<tr>
<td>Jump Backward</td>
<td>ArrowLeft</td>
</tr>
<tr>
<td>Jump Forward (x2)</td>
<td>Shift + ArrowRight</td>
</tr>
<tr>
<td>Jump Backward (x2)</td>
<td>Shift + ArrowLeft</td>
</tr>
<tr>
<td>Loop On/Off</td>
<td>L</td>
</tr>
<tr>
<td>Resume playback</td>
<td>Ctrl+Space</td>
</tr>
</tbody>
</table>

### VOLUME CONTROL

<table>
<thead>
<tr>
<th>Action</th>
<th>Key Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Up</td>
<td>+</td>
</tr>
<tr>
<td>Volume Down</td>
<td>-</td>
</tr>
<tr>
<td>Mute On/Off</td>
<td>M</td>
</tr>
</tbody>
</table>

### AVCHD / HD CAMCORDER MODE

<table>
<thead>
<tr>
<th>Action</th>
<th>Key Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return to menu</td>
<td>Backspace</td>
</tr>
<tr>
<td>Back (MCE remote control)</td>
<td></td>
</tr>
<tr>
<td>Rewind</td>
<td>.</td>
</tr>
<tr>
<td>Fast Forward</td>
<td>.</td>
</tr>
</tbody>
</table>

### OTHER CONTROLS

<table>
<thead>
<tr>
<th>Action</th>
<th>Key Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter Full-screen</td>
<td>Enter</td>
</tr>
<tr>
<td>Exit Full-screen</td>
<td>Enter, Esc</td>
</tr>
<tr>
<td>Default Window Size</td>
<td>0</td>
</tr>
<tr>
<td>50%, 100%, 200% Video Size</td>
<td>~, 1, 2</td>
</tr>
<tr>
<td>Open/Close Info Panel</td>
<td>I</td>
</tr>
<tr>
<td>Open Settings Window</td>
<td>Ctrl+S</td>
</tr>
<tr>
<td>Open File</td>
<td>Ctrl+O</td>
</tr>
<tr>
<td>Open Folder</td>
<td>Ctrl+F</td>
</tr>
<tr>
<td>Load Subtitles</td>
<td>Ctrl+L</td>
</tr>
<tr>
<td>Open/Close Playlist</td>
<td>P</td>
</tr>
<tr>
<td>Open/Close Playback Options</td>
<td>o</td>
</tr>
<tr>
<td>Show/Hide Export window</td>
<td>X</td>
</tr>
<tr>
<td>Capture Screen</td>
<td>C</td>
</tr>
<tr>
<td>Capture thumbnail</td>
<td>SHIFT+C</td>
</tr>
<tr>
<td>Exit</td>
<td>Alt+F4, Shift+X</td>
</tr>
</tbody>
</table>

### AUDIO TRACK & SUBTITLES

<table>
<thead>
<tr>
<th>Action</th>
<th>Key Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Next audio track</td>
<td>A</td>
</tr>
<tr>
<td>Next subtitle track</td>
<td>Z</td>
</tr>
<tr>
<td>Move subtitles up</td>
<td>Right Shift + ArrowUp</td>
</tr>
<tr>
<td>Move subtitles down</td>
<td>Right Shift + ArrowDown</td>
</tr>
</tbody>
</table>
## BANNER KEYBOARD SHORTCUTS

<table>
<thead>
<tr>
<th>Action</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show banner in fullscreen mode</td>
<td>ArrowDown</td>
</tr>
<tr>
<td>Hide banner</td>
<td>Backspace</td>
</tr>
<tr>
<td>Browse playlists</td>
<td>ArrowDown/ArrowUp</td>
</tr>
<tr>
<td>Browse files on current playlist</td>
<td>ArrowLeft/ArrowRight</td>
</tr>
<tr>
<td>Show banner playback options</td>
<td>o</td>
</tr>
<tr>
<td>Resume playback</td>
<td>Ctrl+Space</td>
</tr>
<tr>
<td>Next audio track</td>
<td>A</td>
</tr>
<tr>
<td>Next subtitle track</td>
<td>Z</td>
</tr>
</tbody>
</table>

## REMOTE CONTROL BUTTONS

<table>
<thead>
<tr>
<th>Action</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show banner in fullscreen mode</td>
<td>INFO (i)</td>
</tr>
<tr>
<td>Hide banner</td>
<td>INFO (i) / BACK</td>
</tr>
<tr>
<td>Browse playlists</td>
<td>ArrowDown/ArrowUp</td>
</tr>
<tr>
<td>Browse files on current playlist</td>
<td>ArrowLeft/ArrowRight</td>
</tr>
<tr>
<td>Show banner playback options</td>
<td>MENU</td>
</tr>
<tr>
<td>Resume playback</td>
<td>GREEN</td>
</tr>
<tr>
<td>Next audio track</td>
<td>RED</td>
</tr>
<tr>
<td>Next subtitle track</td>
<td>YELLOW</td>
</tr>
</tbody>
</table>

## COMMAND LINE OPTIONS

SplashPRO.exe [filename]

Starts SplashPRO application and playback of [filename].
OPERATING SYSTEMS RESTRICTIONS
Operating systems and hardware configurations restrictions.

Windows® XP

CAPTURE FRAME
- Not available with Motion² enabled. (*TIP: disable Motion²*)
- Not available on Windows® XP with hardware acceleration enabled. (*TIP: disable hardware acceleration*)

DETAIL BOOST, LIGHT BOOST
- Not available on Windows® XP with Motion² disabled and hardware acceleration enabled. (*TIP: enable Motion² or disable hardware acceleration*)

HARDWARE ACCELERATION
- H.264 and VC-1 hardware acceleration for video decoding is not available on Windows® XP for Intel® graphics cards.

PICTURE² - BEST QUALITY
- Best Quality setting cannot be changed during video playback. Stop playback to change Best Quality setting.

Windows Vista®, Windows 7

CAPTURE FRAME
- Not available with Motion² enabled. (*TIP: disable Motion²*)

PICTURE² - BEST QUALITY
- Best Quality setting cannot be changed during video playback. Stop playback to change Best Quality setting.

HD AUDIO BITSTREAMING
- HDMI 1.3 compatible output and Windows 7 is required for HD audio bitstreaming.
TROUBLESHOOTING

Motion²

PERFORMANCE
If you experience any performance problems with Motion² and hardware acceleration enabled, please try to use “Force Video Overlay” option (Settings/Video).

MULTIDISPLAY PERFORMANCE
If you experience any performance problems with Motion² and hardware acceleration enabled on multidisplay setup please try one of the following solutions:

- use “Force Video Overlay” option (Settings/Video tab),
- disable hardware acceleration,
- disable/disconnect one display device.

General

GRAPHICS CARD DRIVERS
Video hardware vendors regularly update drivers. If you experience any problems during video playback please update to the latest drivers.

PERFORMANCE
For the best performance it is recommended to stop video playback during exporting process.

Display
If you experience not smooth video playback please make sure that your display device refresh rate is set to 59 or 60Hz.
Purchase/Activation FAQ
If you have any questions or problems with Splash PRO EX purchase or activation, please read product purchase and activation FAQ or contact us if you do not find an answer for your problem/question.

Pruchase/ Activation FAQ page:

Technical Support
If you have any questions or problems with Splash PRO EX please read Splash PRO EX FAQ or contact us if you do not find an answer for your problem/question.

Splash PRO EX FAQ page:

Mirillis Forum
Join Mirillis community and discuss about Splash and other Mirillis products. If you have a problem or questions not answered on FAQ pages you may find an answer on the forum. Feel free to share with us your experience, ideas and suggestions.

Mirillis Forum:
http://www.mirillis.com/forum/

Contact
http://www.mirillis.com/en/company/contact.html