

XTv

Video software suite

Quick Guide

(Rev. 2.0)



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MINIMUM SYSTEM REQUIREMENTS

- Operating System: **Windows XP PRO SP3**
- **Intel Pentium IV Quad Core Processor**
- **2 Gigabyte DDR Ram**
- **80 Gigabyte HD for operating system, NTFS formatted**
- **VGA Video card PCI-Express**
- **Video card DECKLINK BLACKMAGIC (advised)**

1. INTRODUCTION TO XTV

XTV is a software suite composed by 7 programs

- **XTrimmer** It's an utility used for media files marking.
- **XScheduler** It's a scheduler used to create and modify a playlist. It is windows style, so it implements all windows basic function (like cut, copy, paste, drag & drop, and so..). It is able to check immediatly the clip and can export the playlist also in CSV file format or XML file format (so the playlist can be opened with the most common software)
- **XPlayout** It's the playout software. It can play any kind of audio/video files (you just must have the right codec). It is also able to manage transition between clips, VCRs, switches, cart machine and any other kind of video input. An engine for logos (also for the single clip) is present in XPlayout
- **XCapture** It's a video digital recorder, which can codify in real time and in every file format, the video flow captured by the BlackMagic card
- **XRouter** It's a program useful for controlling the matrix connected to the Server
- **XEmergency** It's the control for the XPlayout correct execution. If a Playout stop the OnAir, it automatically launches the Playout on the Emergency PC
- **XRemote** It's the controller program for XRouter

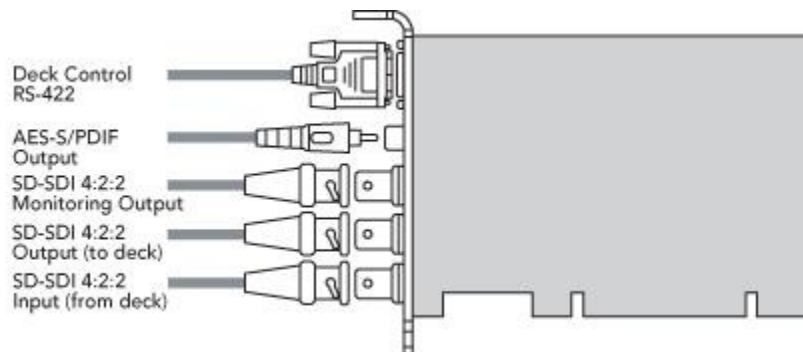
2. INSTALLATION

- Install Windows XP SP3
- Install possible drivers of the motherboard and/or other peripherals
 - BIOS upgrading
 - Chipset drivers
 - Video card drivers
 - LAN drivers
 - RAID controller (**advised**)
- Reboot the PC
- Install the **DeckLink BlackMagic** drivers that are in the XTV CD (**5.7.3RC2** version). **DO NOT INSTALL ANY OTHER VERSION OF THE DRIVERS!** Follow the instructions

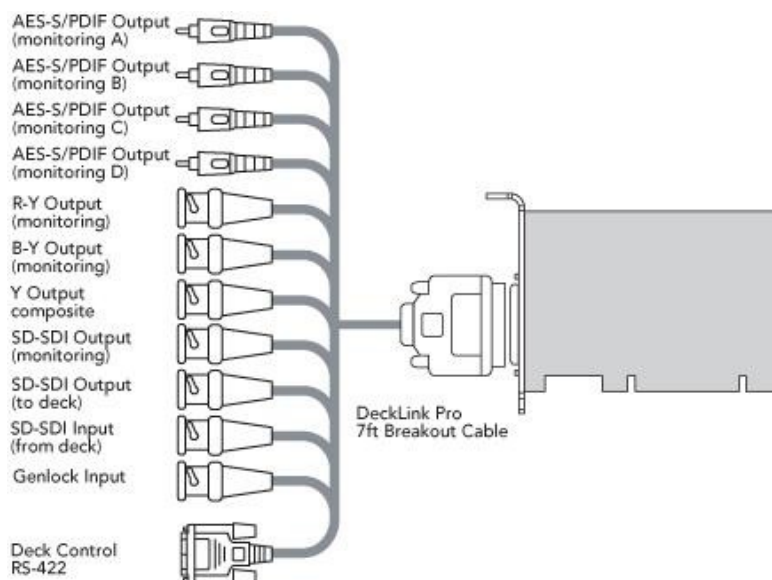
In case you don't have the XTV CD or the CD has problem, you can find the 5.7.3 in the following link:
<http://www.blackmagic-design.com/support/software/archive/>

There's more than one version of DeckLink BlackMagic card, but installation steps are the same. Here's are the most used.

SDI VERSION



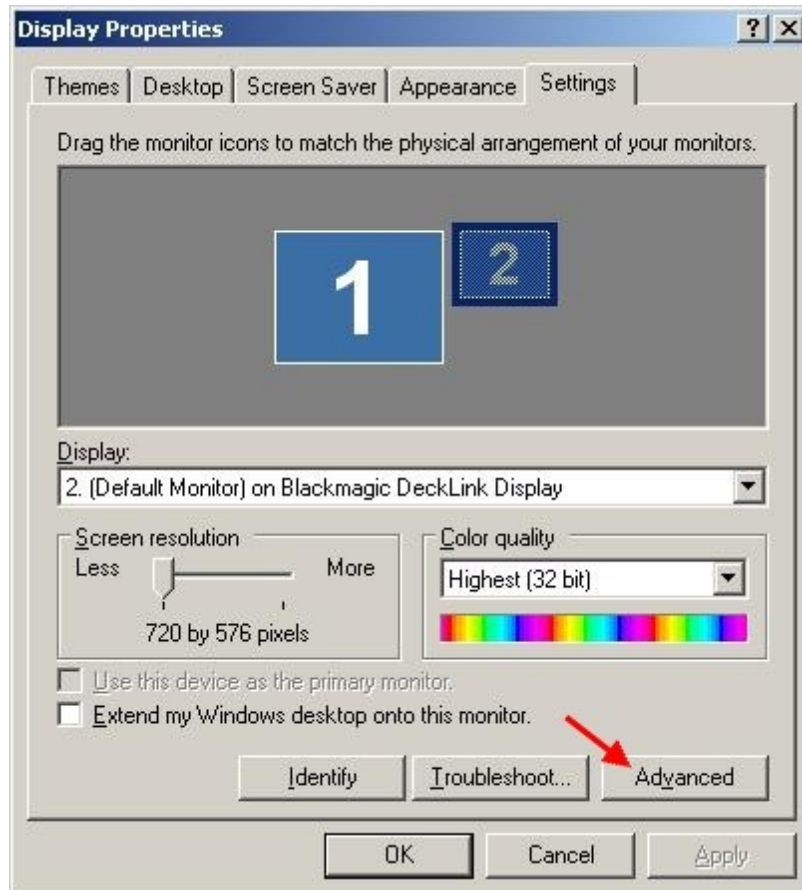
SDI VERSION + COMPOSITE



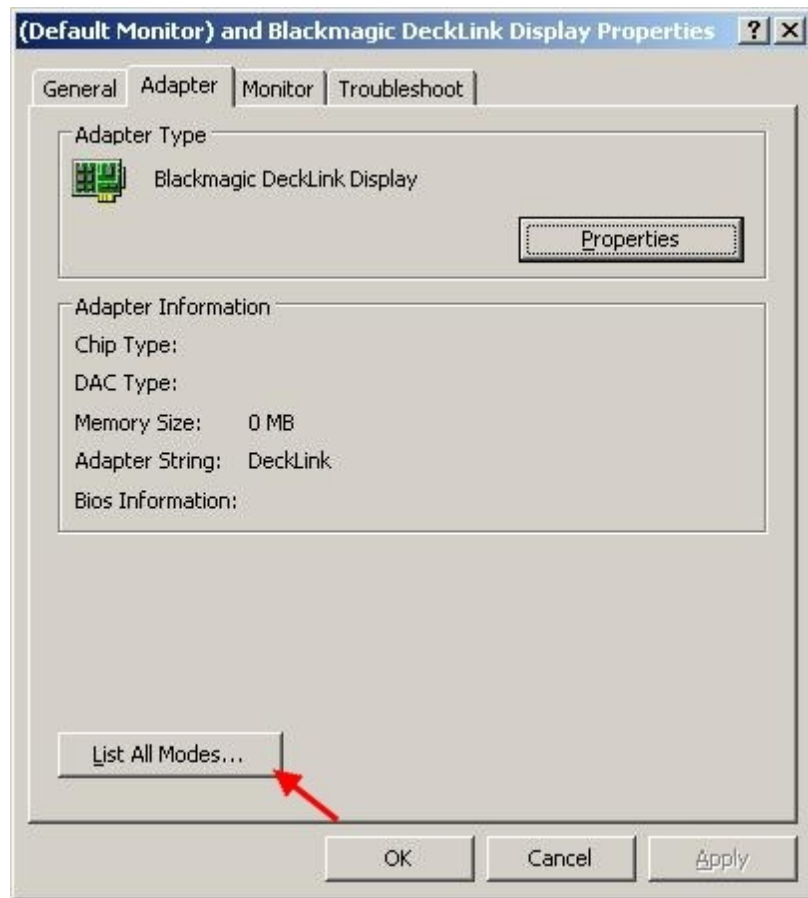
After installing drivers, you have to set some properties about the video card

For setting BlackMagic output in PAL o NTSC:

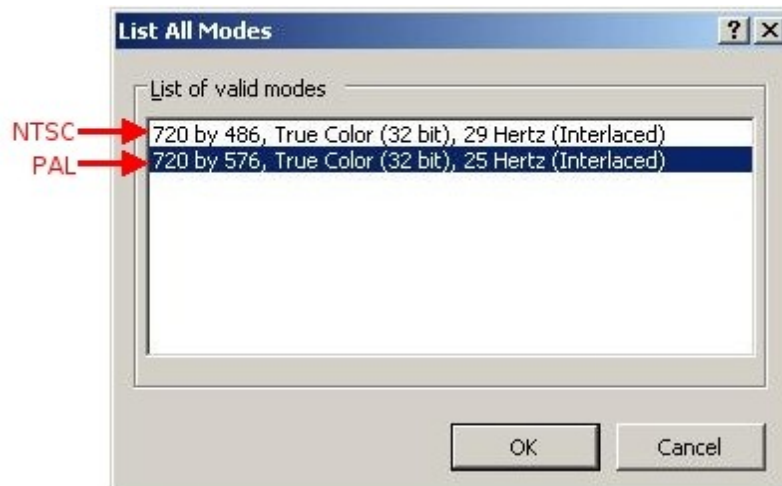
- Right click on desktop
- Click on **Properties**
- Select **Settings** table
- Select the secondary screen (be sure that, once you clicked into the “**Display**” box, the “ ... on BlackMagic DeckLink” appears, then click on **Advanced**



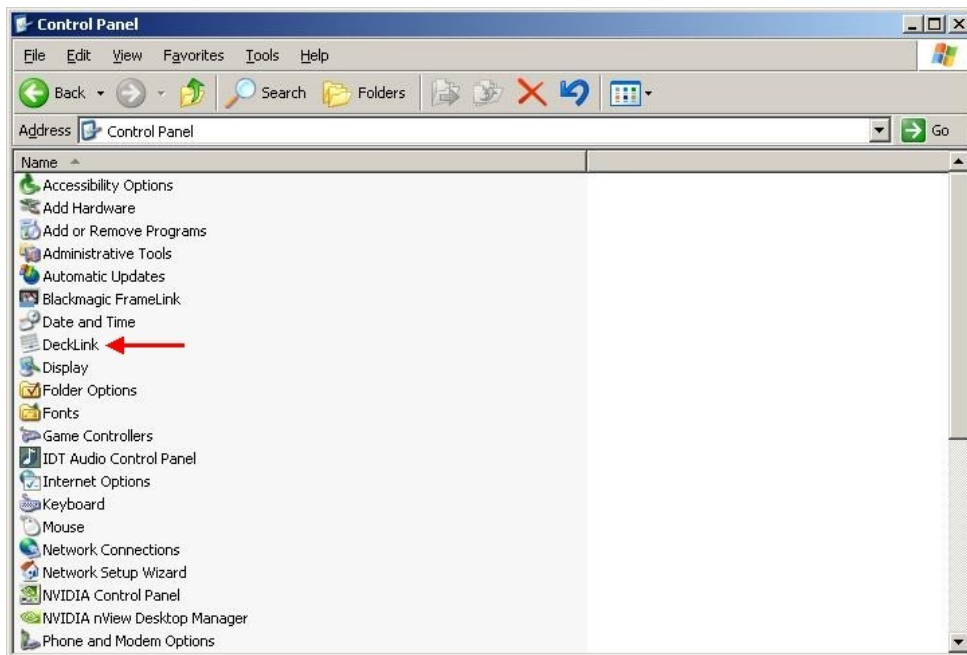
- Click on Card List All Modes



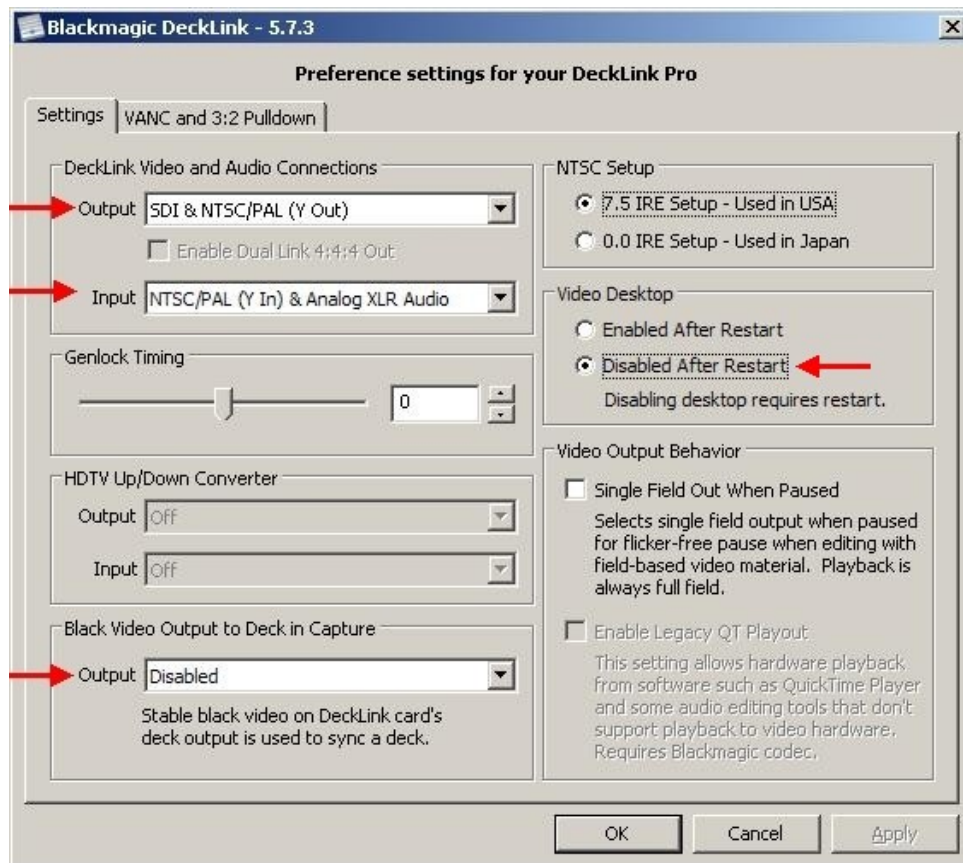
- From the list, select the video standard that you want to use



- If you want to use BlackMagic's SDI output:
- o Open the Control Panel
 - o Select DeckLink



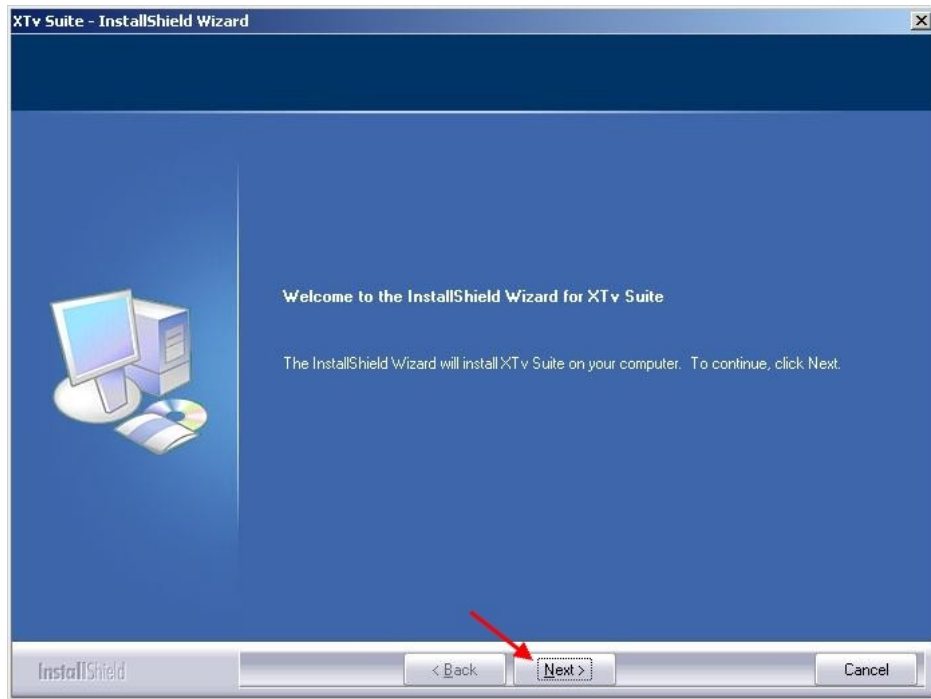
1. Set the Output box on the top with "SDI & Anaalog NTSC/PAL (Y OUT)"
2. Set Input with "NTSC/PAL (Y IN) & Analog XLR Audio "
3. Set the Output box on the bottom with "Disabled"
4. Set the Video Desktop on the right with "Disabled After Restart"



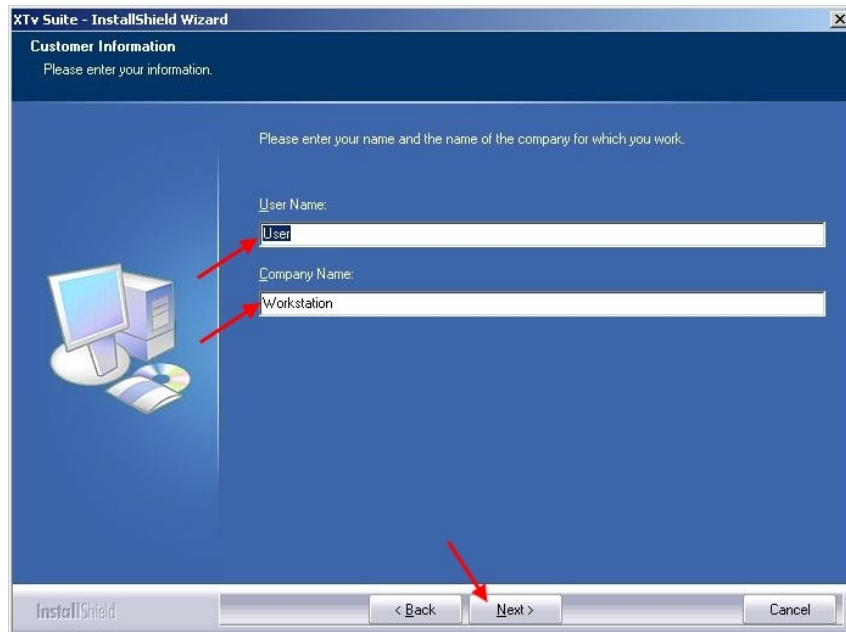
1.1. XTV SUITE INSTALLATION

A wizard will guide you to the right software installation

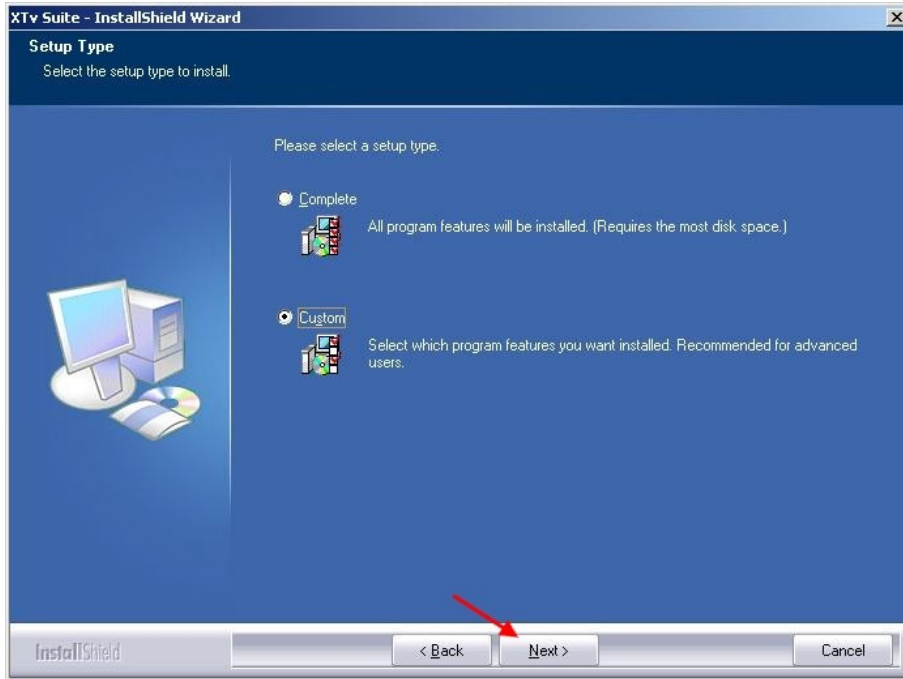
- Click on Next



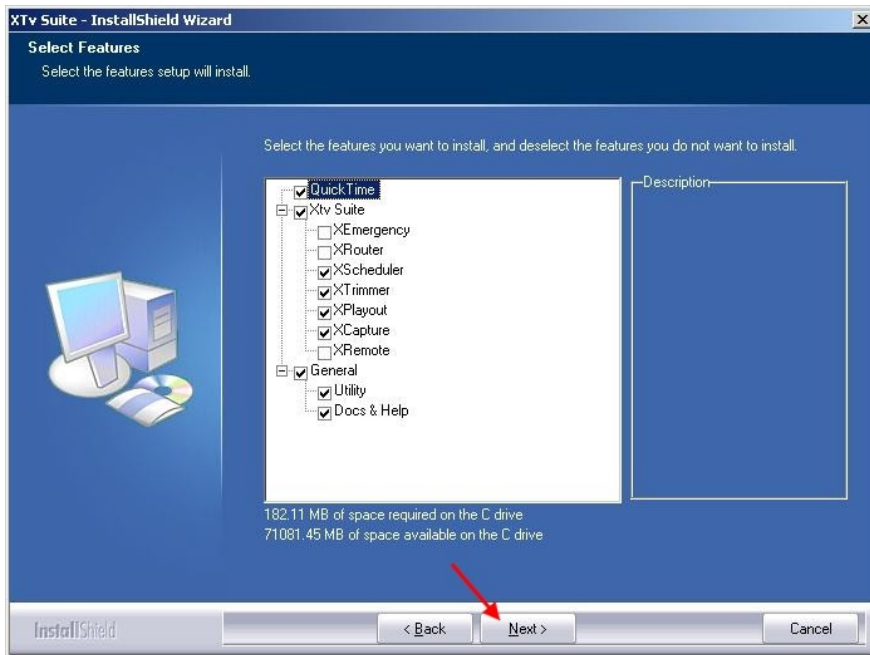
- Insert User and Company name than click on Next



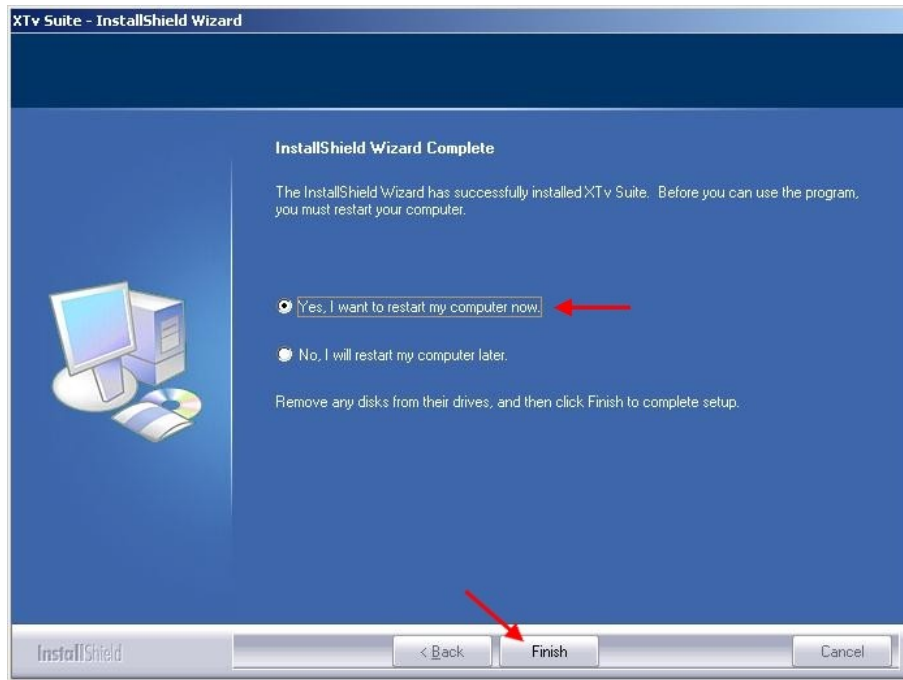
- Click on Next



- Click on Next



- Select “Yes, I want to restart my computer now” than click on Next

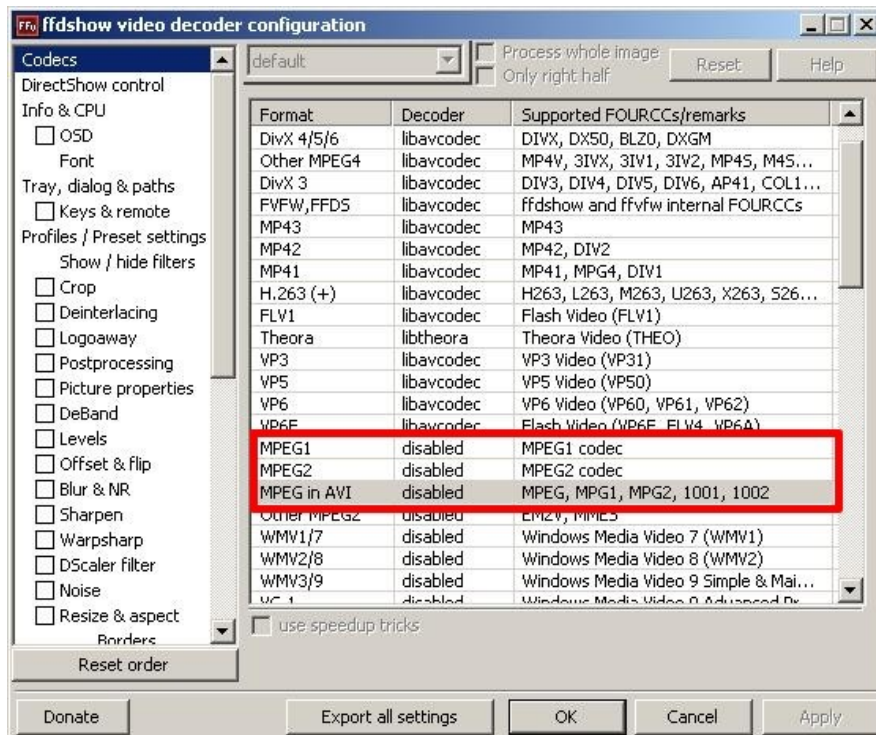


- Install FFDSHOW codecs (the file path is Program File Folder\ XTVSuite\Utility).

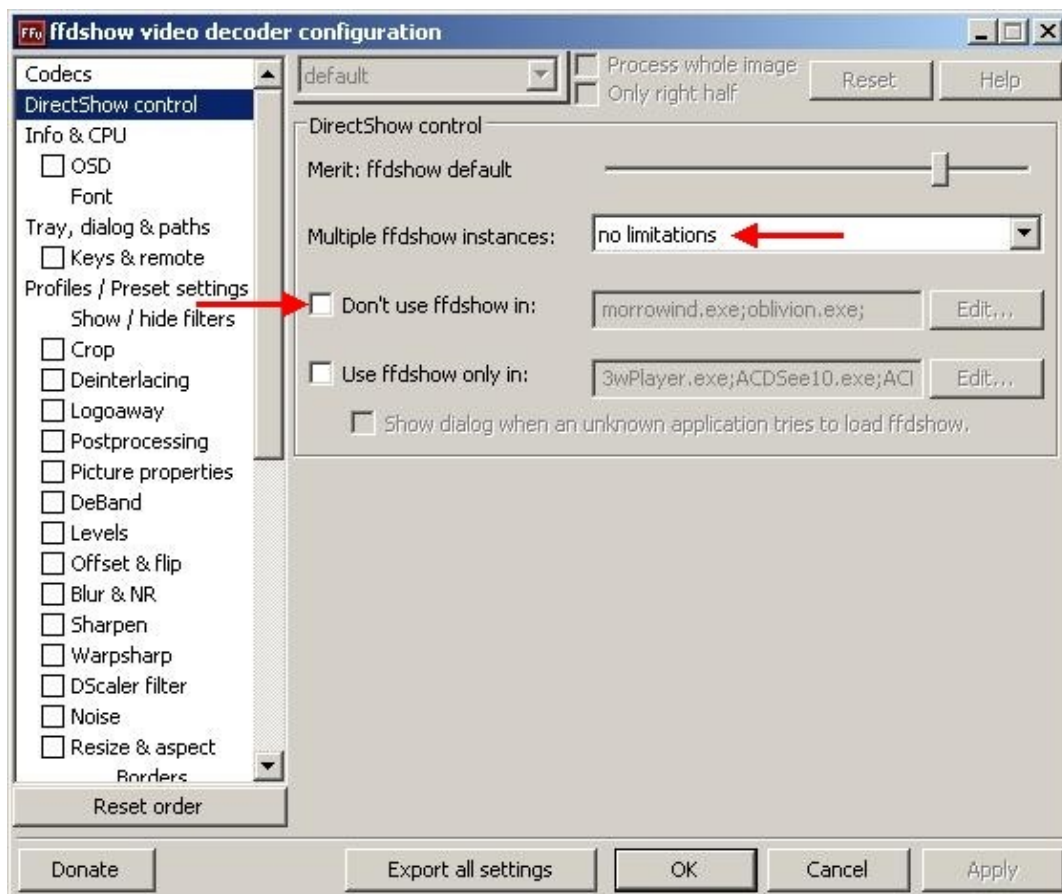
VIDEO settings:



- Click on **Start** > **All programs** > **Ffdshow** > **Video Decoder Configuration**
- On the left menu select **CODECS**
- In the right table find **"MPEG1"**, **"MPEG2"** and **"MPEG IN AVI"** rows, than in the second column select **"Disabled"**



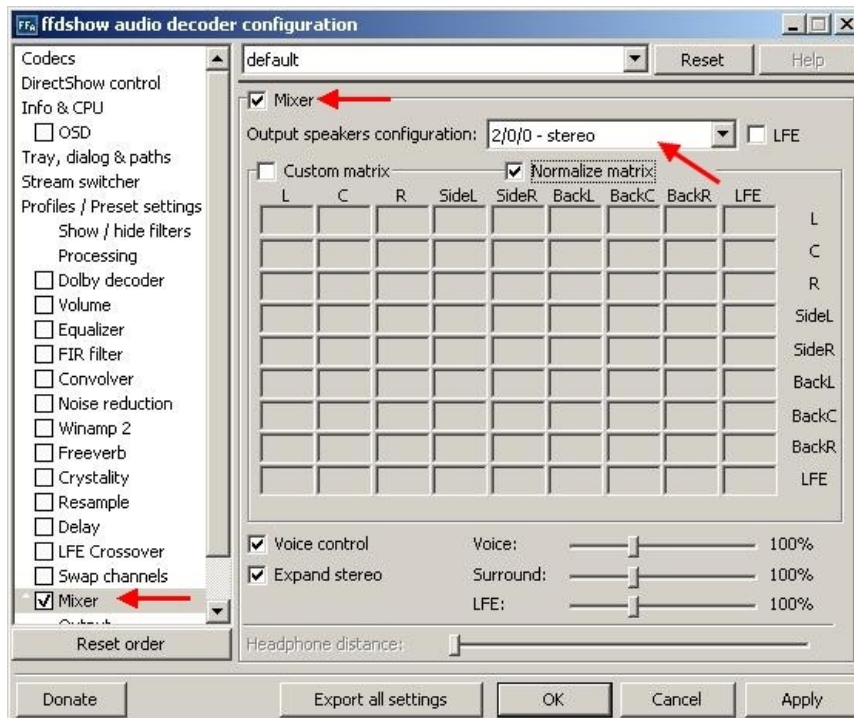
- Select DirectShow control
- Set “Multiple ffdshow instances” to “no limitations”
- Disable the option “Don't use ffdshow in”



- Click on OK

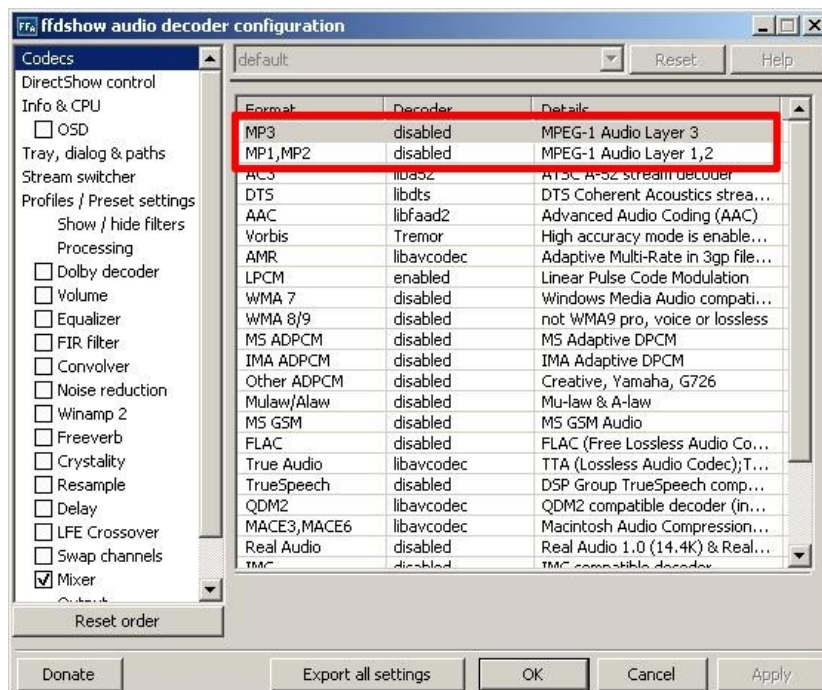
AUDIO settings:

- Click on Start □ All programs □ Ffdshow □ Audio Decoder Configuration

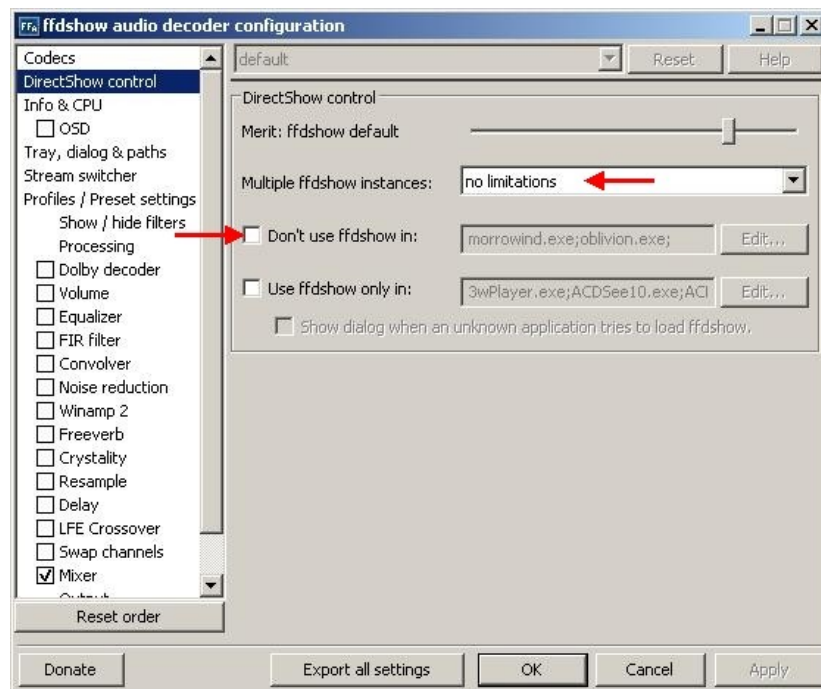


1. On the left menu select MIXER
2. Check the field "Active"
3. Select as audio output mode "**2/0 – Stereo**"

- On the left menu select CODECS
- In the right table find "MP3" and "MP1,MP2" rows, than in the second column select "**Disabled**"

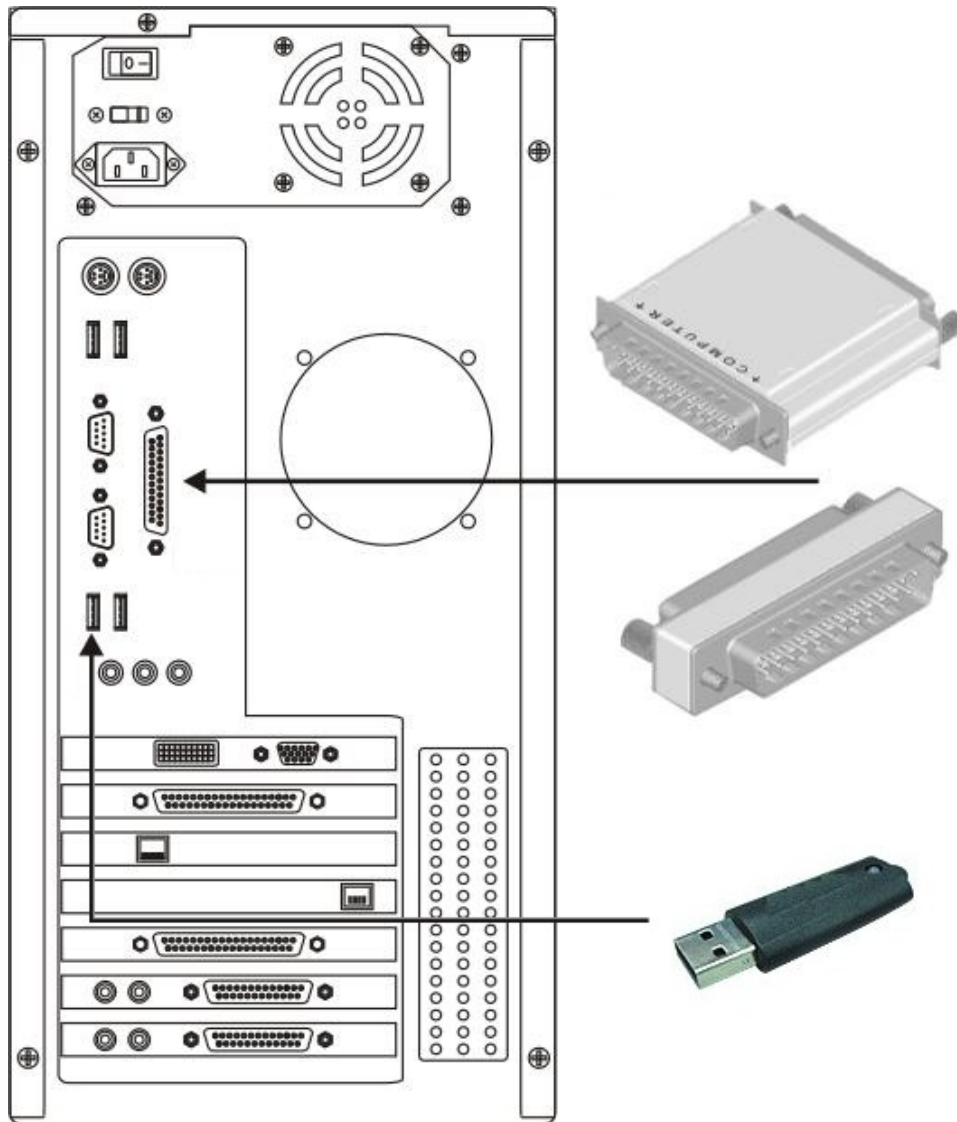


- Select DirectShow control
- Set “Multiple ffdshow instances” to “no limitations”
- Disable the option “Don’t use ffdshow in”



- Click on OK

- Put the hardware key on the parallel or USB port of your pc



- Reboot the PC

3. X-PLAYOUT

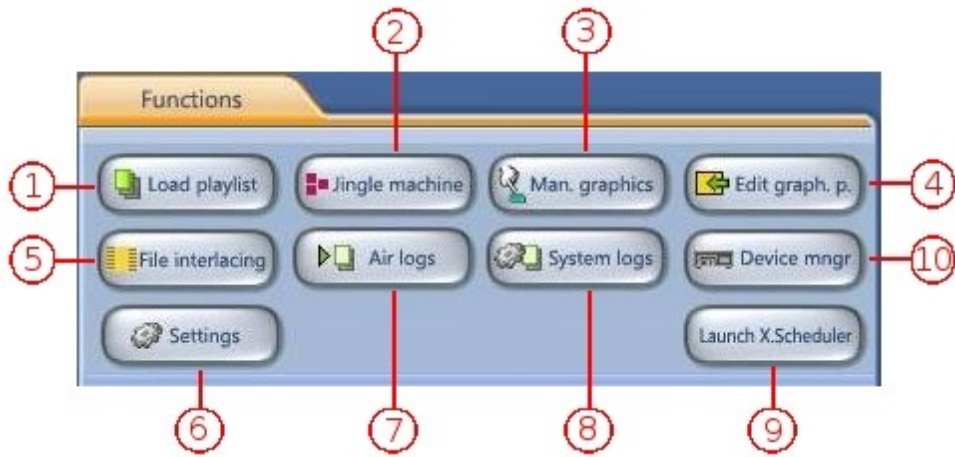
The first time you run the software, a Setup Wizard will start to configure the product (see the Cap.)

The main window is divided in three parts

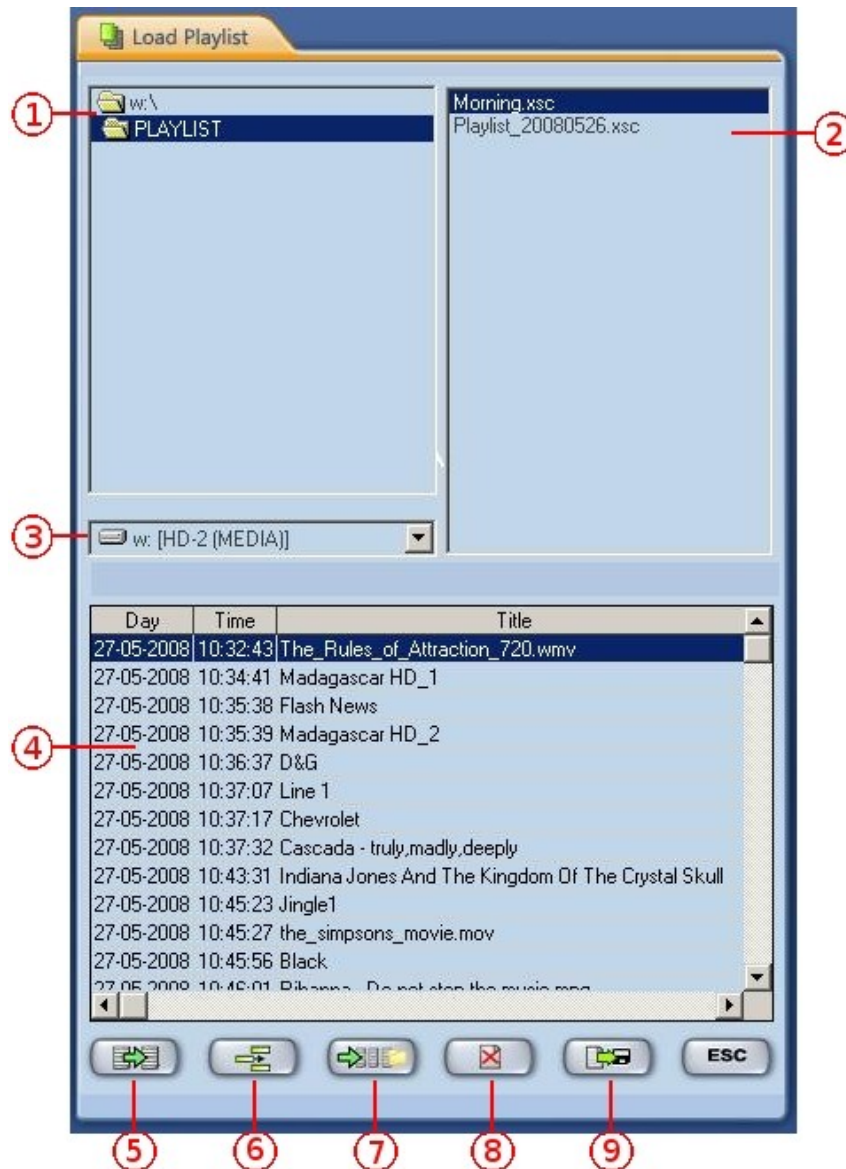


1	OnAir informations
2	Playlist informations
3	Menu

1.1. MENU DESCRIPTION



1.1.1. LOAD PLAYLIST

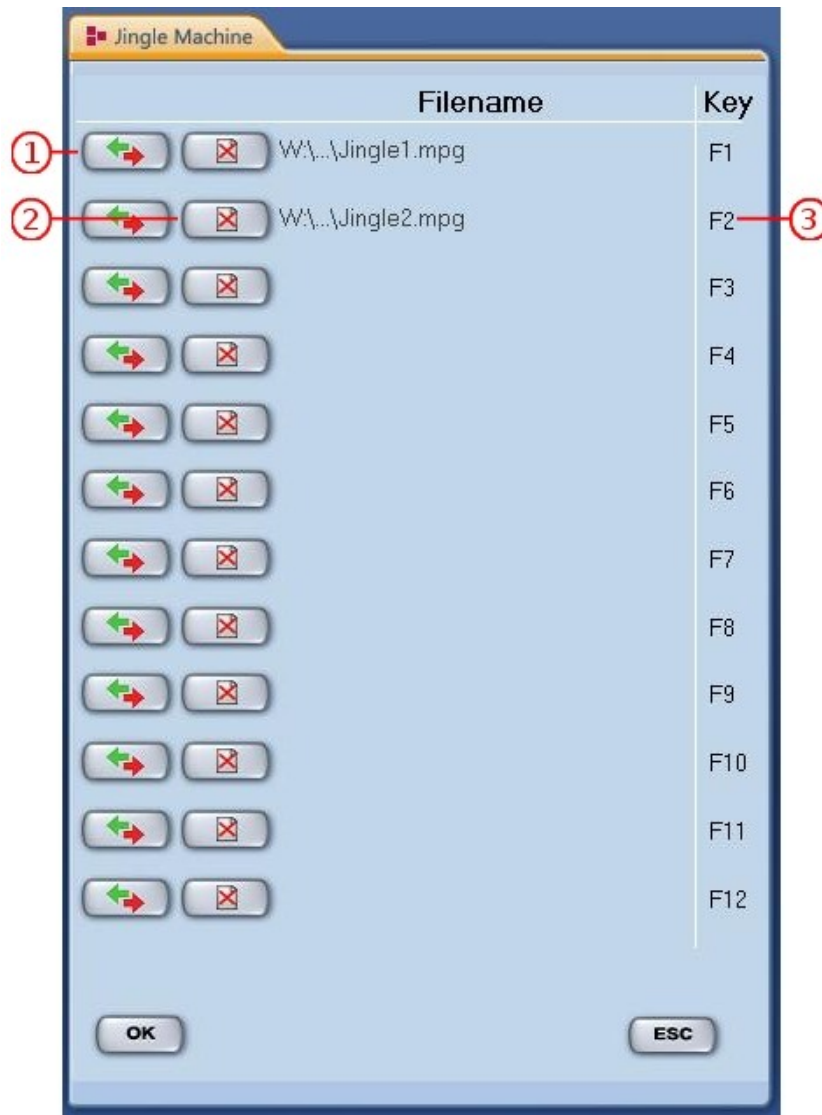


1	Folder list
2	XScheduler file list
3	Drives list
4	Clip list inside the selected file
5	Replace the loaded playlist with the selected one
6	Append the selected playlist to the current playlist
7	Insert all the files in the selected folder
8	Clear the current playlist
9	Save the playlist to a file

You can also add a partial playlist, just selecting the starting point

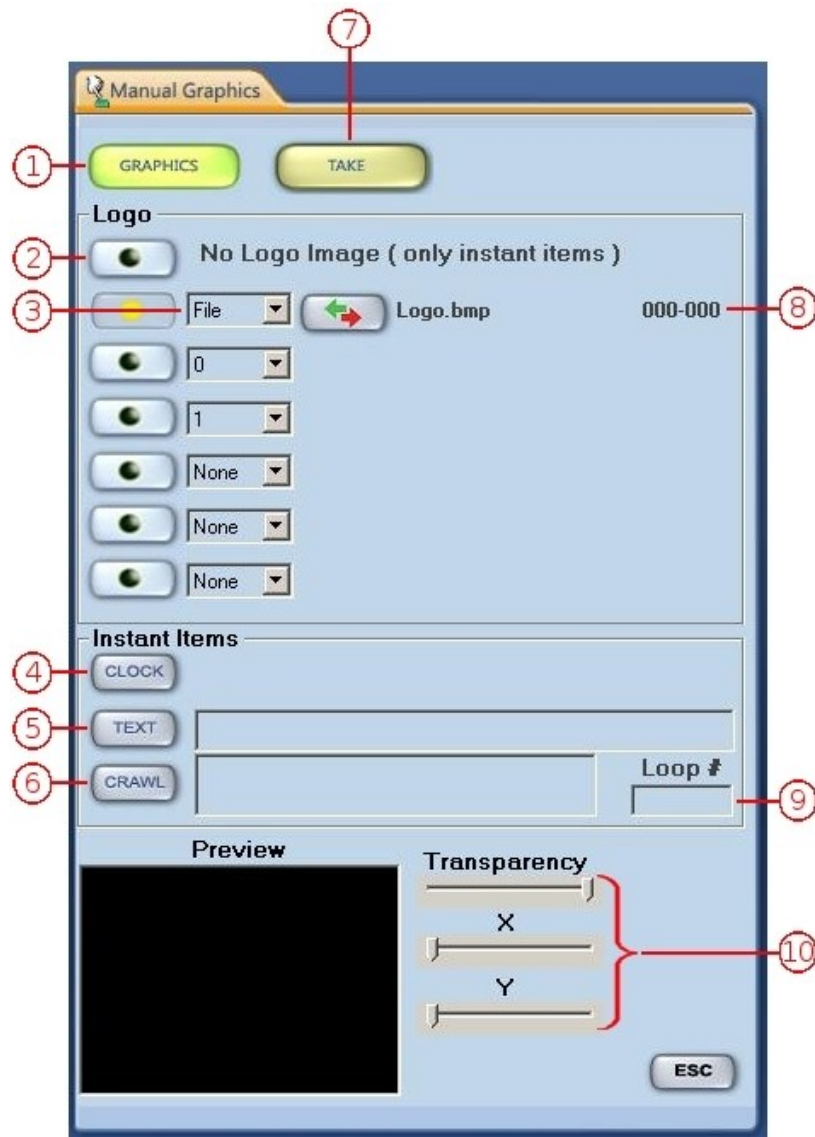
1.1.2. JINGLE MANAGEMENT

Jingles are clips always ready to go on air in every moment, just pressing the correct shortcut key. Immediately the playout will switch to the jingle.



1	Set a new jingle to the key
2	Delete the jingle
3	Shortcut key

1.1.3. LOGO

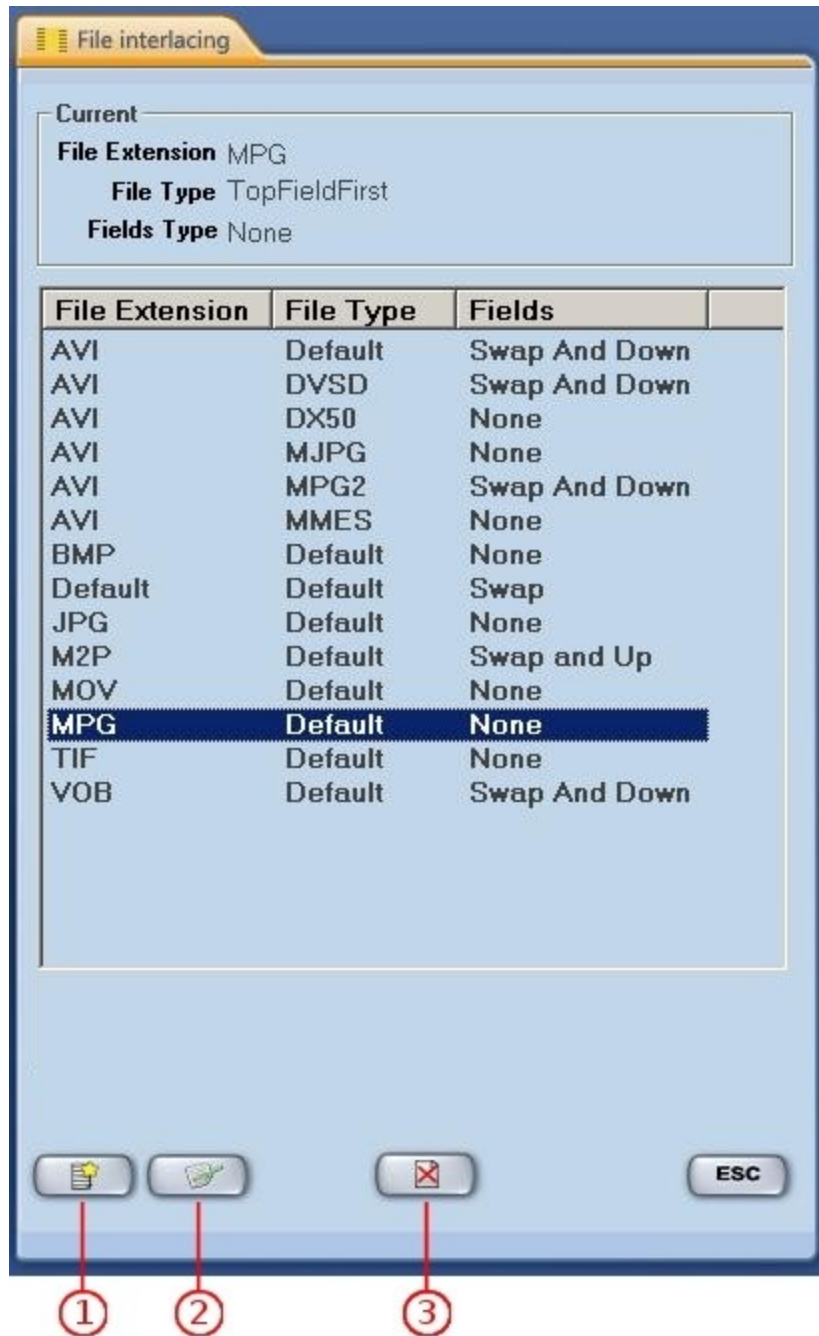


The logo you select is always visible on playout, and for each logo you can choose the position inside the screen

1	Enable / Disable graphics
2	Set the logo to be shown
3	Set the logo or the page to be shown
4	Activate / Deactivate the clock onair
5	Activate / Deactivate a text
6	Activate / Deactivate a text that crawls horizontally
7	Activate / Deactivate automatic logo management
8	Displays the logo position
9	Set how many times the text will loop. "L" value means infinite loop
10	Point the logo

1.1.4. FILE INTERLACING

This panel show the current setting for each extension supported by XPlayout



1	Add a new field
2	Modify the field
3	Delete the field

Each row is composed by three column

- I. **EXTENSION** : file extension
- II. **FILE TYPE** : it's a 4 char word, that show the codec code used for that kind of file
- III. **FIELDS TYPE** : it's the engine setting used by the software for that kind of file

You can change by double clicking on any row and then change the value in the window that will open and is shown below.



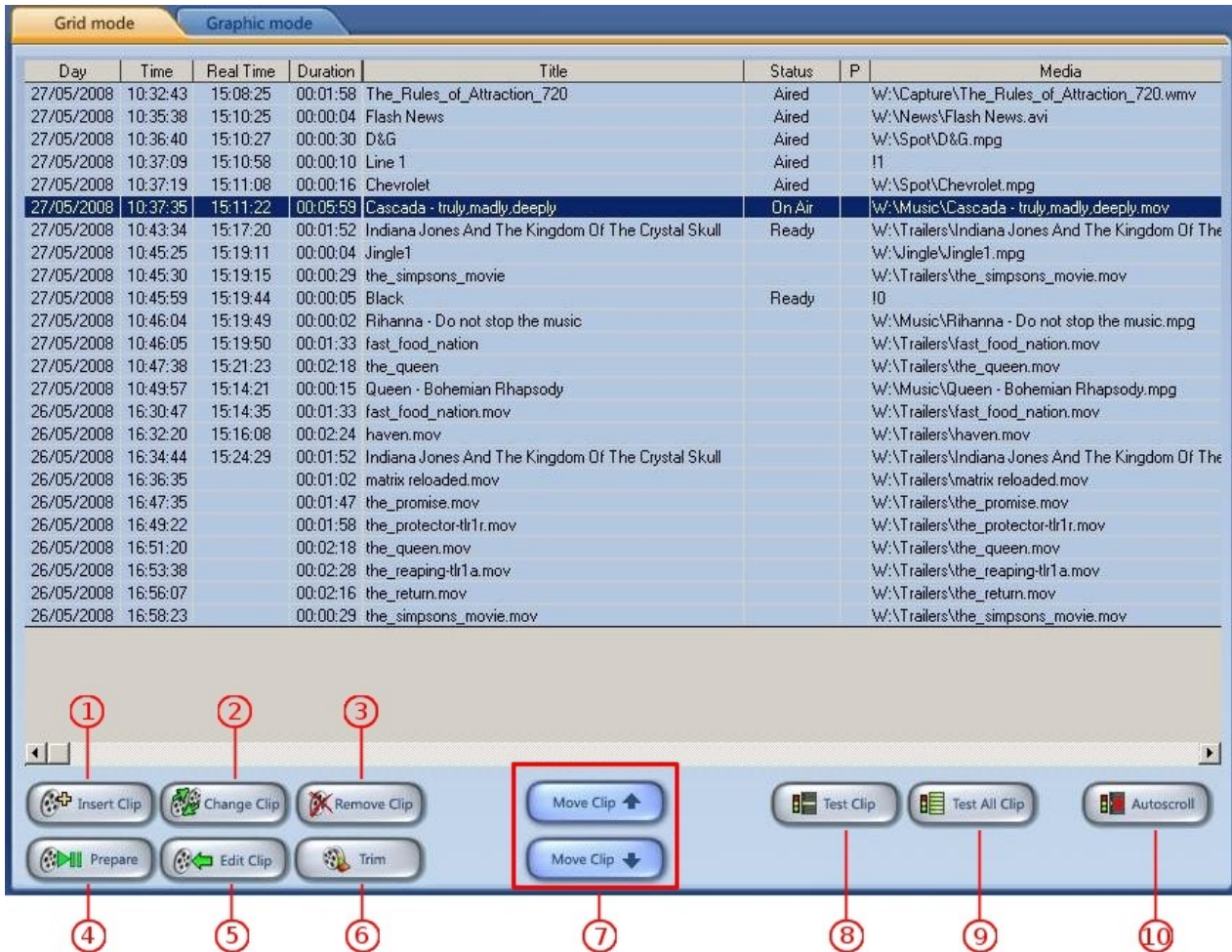
1	Change the extension
2	Modify the 4CC Video File Type
3	Change the Fields Swap mode

Once you click OK the changes take effect immediately.

1.1.5. CHANGE VIEW

You can select which kind of view activate.

The default one has a graphical layout; the other one is composed by a simple text grid. Each clip (like prepare, replace, or remove) functions can be used in all the view



1	Add a clip
2	Replace the clip
3	Delete the clip
4	Prepare the clip
5	Edit the clip
6	Trim the clip
7	Move the clip up or down
8	Check the clip
9	Check all the clips
10	Enable / Disable the grid autoscroll

1.1.6. HISTORY

XPlayout saves everything that goes on air in a CSV text file. This file can be opened with almost all database software like Microsoft Access.

Default file name use the follow standard: yyyy_mm.csv

The .csv file can be located in [C:\Program Files\XTv Suite\XTVLogs](#)

In the lower combobox is it possible to select the date of the log you want to see.

The screenshot shows the 'Air Logs' application window. The main area contains a table with the following columns: Effective Date, Title, Start Time, End Time, and Program D. The table lists various broadcast items from 27/05/2008 to 27/05/2008. A date selection dropdown menu is open, showing a list of years from 2008_05 to 2008_12. A red arrow points to the 'Date' label next to the dropdown. An 'ESC' button is visible at the bottom right of the window.

Effective Date	Title	Start Time	End Time	Program D
27/05/2008	Indiana Jones And The	13:55:24	13:57:17	Trailer
27/05/2008	Jingle1	13:57:17	13:57:20	Jingle
27/05/2008	the_simpsons_movie	13:57:20	13:57:49	Trailer
27/05/2008	Black	13:57:49	13:57:54	
27/05/2008	Rihanna - Do not stop the	13:57:54	13:57:55	Music
27/05/2008	fast_food_nation	13:57:55	13:59:29	Trailer
27/05/2008	the_queen	13:59:29	14:01:47	Trailer
27/05/2008	Queen - Bohemian	14:01:47	14:02:01	Music
27/05/2008	The_Rules_of_Attraction_7	14:02:01	14:03:59	Trailer
27/05/2008	Madagascar HD_1	14:03:59	14:04:56	Movie
27/05/2008	Flash News	14:04:56	14:05:00	News
27/05/2008	Madagascar HD_2	14:05:00	14:05:56	
27/05/2008	D&G	14:05:56	14:06:26	Advertising
27/05/2008	Line 1	14:06:26	14:06:36	
27/05/2008	Chevrolet	14:06:36	14:06:51	Advertising
27/05/2008	Cascada -	14:06:51	14:12:50	Music
27/05/2008	Indiana Jones And The	14:12:50	14:14:42	Trailer
27/05/2008	Jingle1	14:14:42	14:14:46	Jingle
27/05/2008	the_simpsons_movie	14:14:46	14:15:15	Trailer
27/05/2008	Black	14:15:15	14:15:20	
27/05/2008	Rihanna - Do not stop the	14:15:20	14:15:21	Music
27/05/2008	fast_food_nation	14:15:21	14:16:54	Trailer
27/05/2008	the_queen	14:16:54	14:19:13	Trailer
27/05/2008	Queen - Bohemian	14:19:13	14:19:27	Music
27/05/2008	The_Rules_of_Attraction_7	14:19:27	14:21:25	Trailer
27/05/2008	Madagascar HD_1	14:21:25	14:22:22	Movie
27/05/2008	Flash News	14:22:22		News
27/05/2008	Madagascar HD_2	14:22:26		
27/05/2008	D&G	14:23:22		Advertising

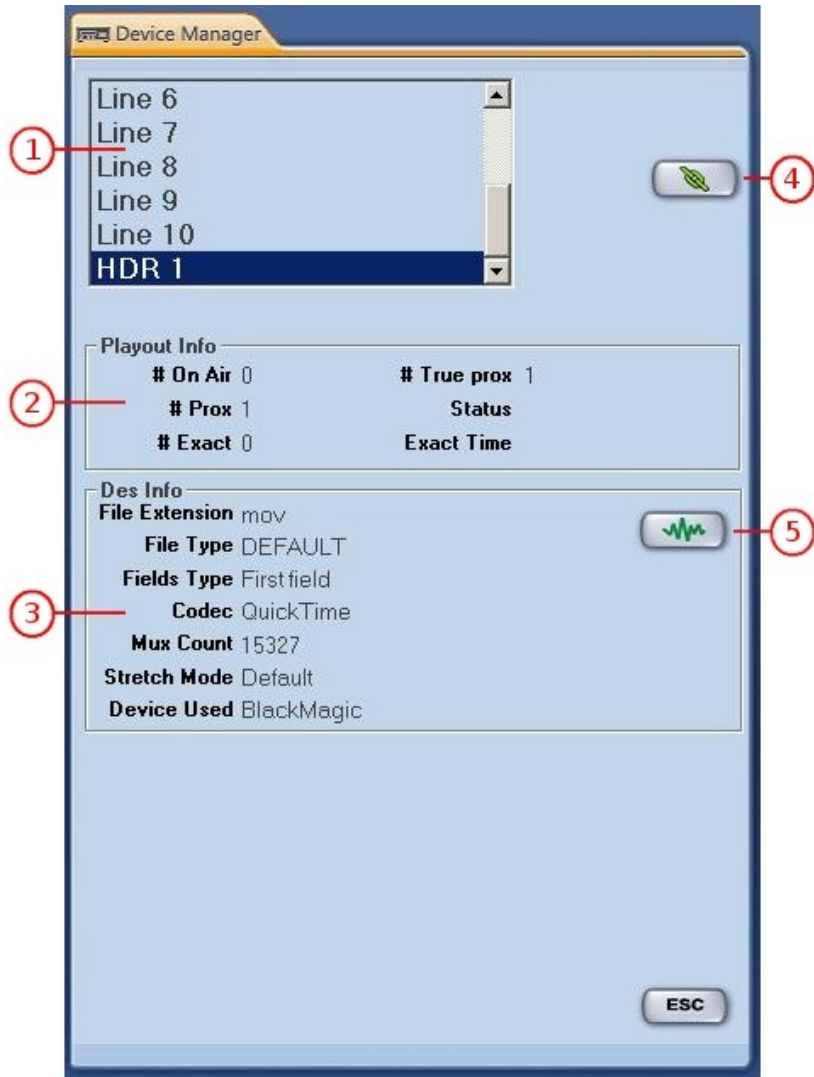
1.1.7. LOG FILE

XPlayout saves information during operations



1	The log file name is : <program files>XTV SUITE\LOGS\ errorLog.txt
2	Delete the log file

1.1.8. DEVICES



1	Devices list
2	Playout Info
3	Multimedia Engine General Info
4	Send the Routing Switch command
5	Show DS Loaded Filters

With the HDR 1 you can see some useful information about file type
 As you see in the picture below, you can find all the information you need to understand what kind of file is on air.
 Usually it's useful to see which is 4CC file code



Show the current setting for the file

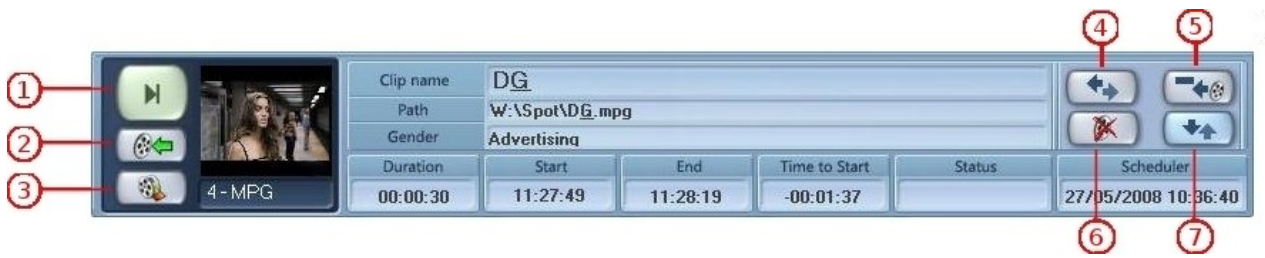
1	File extension
2	Shows the fields type used for the clip
3	Shows the number of frames
4	Shows the output device used
5	File type of the clip
6	Shows the Codec used for the clip
7	Shows the Stretch mode used for the clip

1.2. PLAYLIST INFORMATION



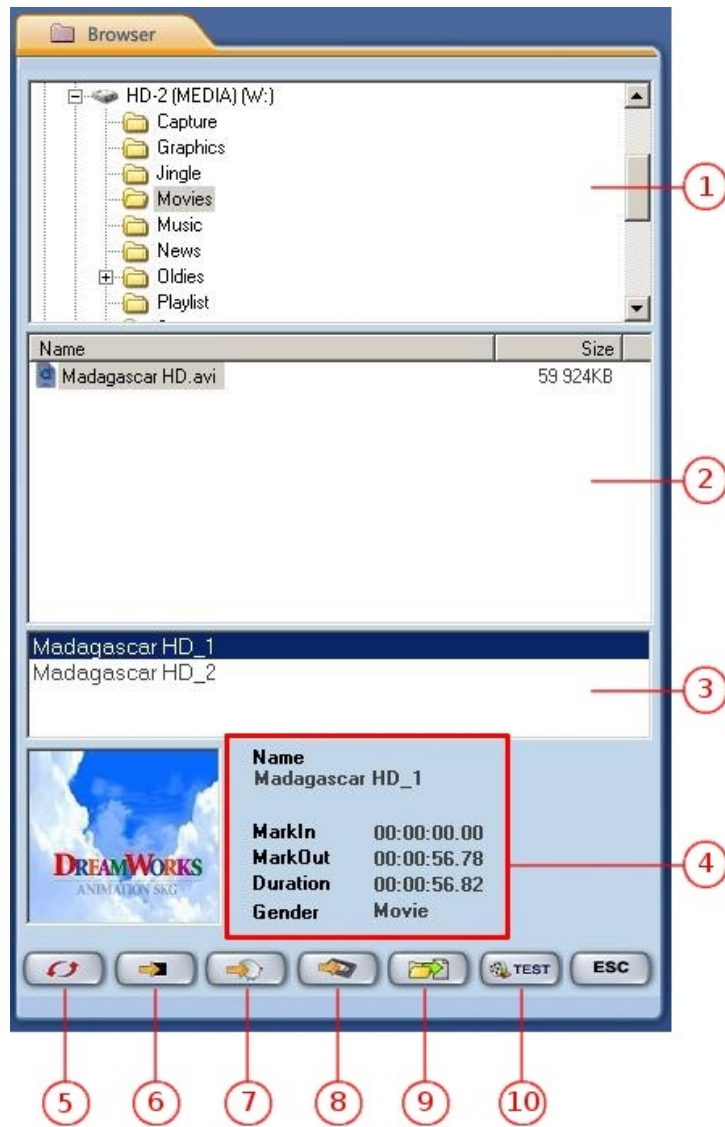
1	Scroll the playlist to the beginning or to the end	
2	Scroll to the next page or to the previous one	
3	Scroll to the next clip or to the previous one	
4	Reference Image and file type of the clip	
5	<u>NAME</u>	Clip name
	<u>PATH</u>	Source path
	<u>GENDER</u>	The clip Gender set in XTrimmer
	<u>DURATION</u>	Clip duration
	<u>START</u>	Show at what time the clip will be on air. This value is calculate dynamically.
	<u>END</u>	Show at what time the clip will be end. This value is calculate dynamically.
	<u>TIME TO START</u>	Time To Start: Show how much time left to the clip onairing
	<u>STATUS</u>	Display the current status of the clip.
	<u>SCHEDULER</u>	Date and time set by XScheduler.

Each of the clip line has the following options



1	Prepare the clip
2	Edit the clip
3	Trim the clip
4	Change the clip with one selected from the browser
5	Insert a new clip
6	Delete the clip
7	Change the clip with the following one

1.2.1. CLIP BROWSER

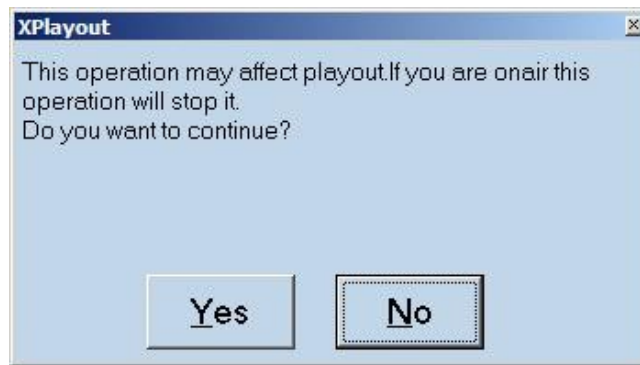


For adding or modify a clip just double click on the reference image, or on the file name, or on the subclip name

If the selected file was not edited by Xtrimmer, the retrieving of information (like reference image or duration) will take some seconds.

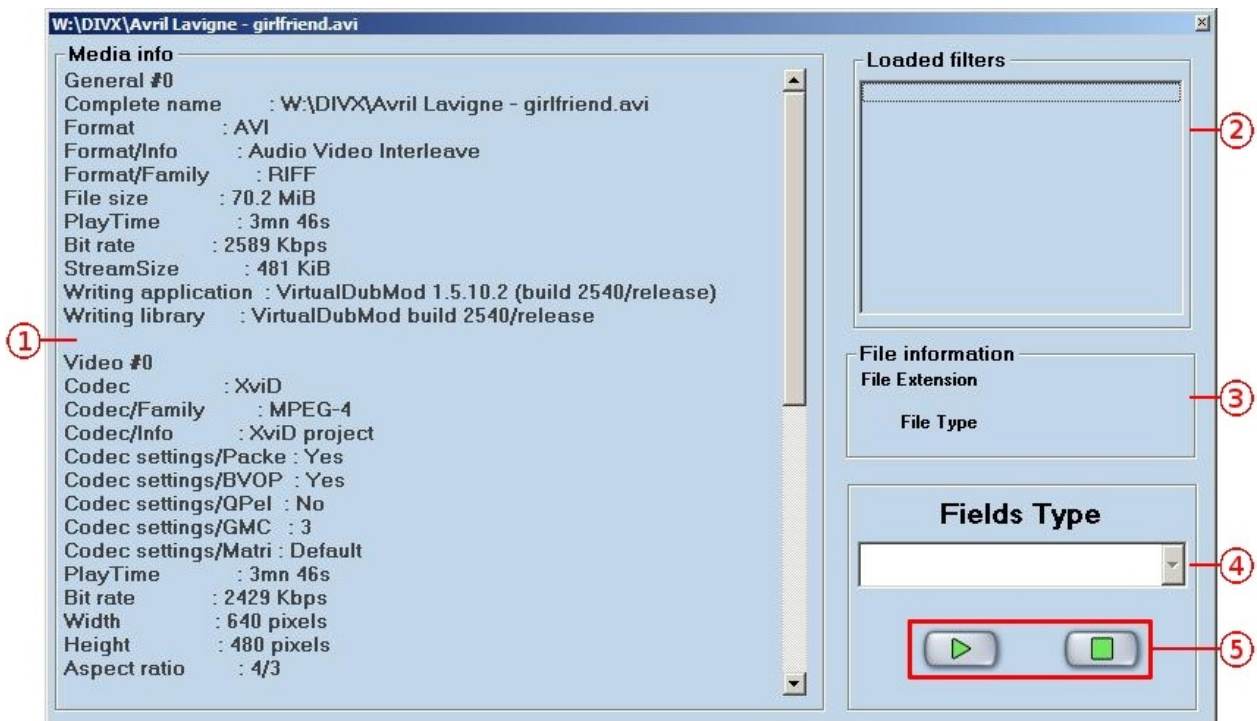
1	Folder list
2	File list
3	Subclips list
4	Subclip metadata
5	Refresh the browser
6	Insert a black in the current playlist. Default duration is 5 seconds
7	Insert a line event, just choose the line number
8	Insert a vcr event, just typing the cassette name
9	Insert a playlist at the selected position
10	Test the current clip

Pressing the **TEST** button an advise will pop up



BE CAREFUL! IF YOU PRESS "YES" WHILE ONAIR THE ONAIRING WILL STOP!!!

Once you press Yes a window will open.



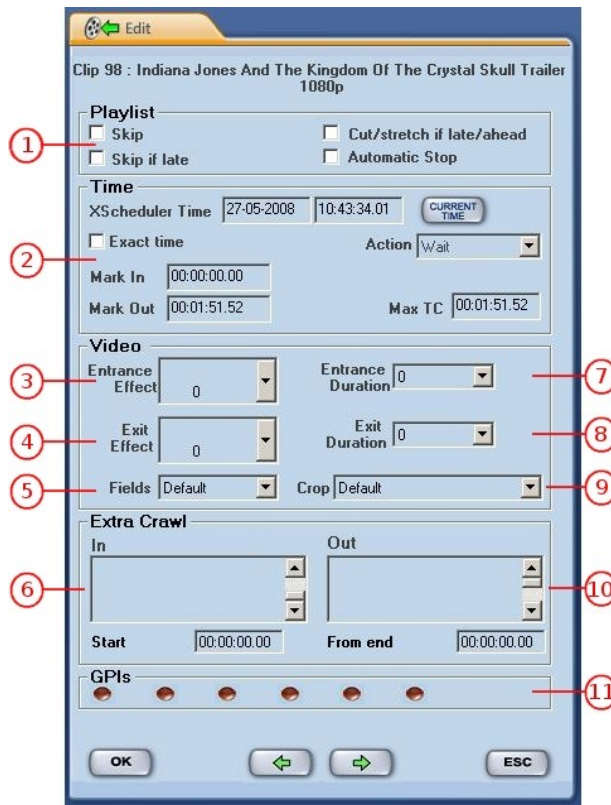
1	Media info of the selected file
2	Filters used for the media file
3	File Extension and File Type of the file
4	Fields type of the file (can be modified only once the PLAY button is pressed)
5	PLAY / STOP Buttons

Once you press the PLAY button in the right part of the window will be shown the filters loaded for the clip, the file informations about the clip and it is possible to change the Fields Type to find the one that fits best the output desired.

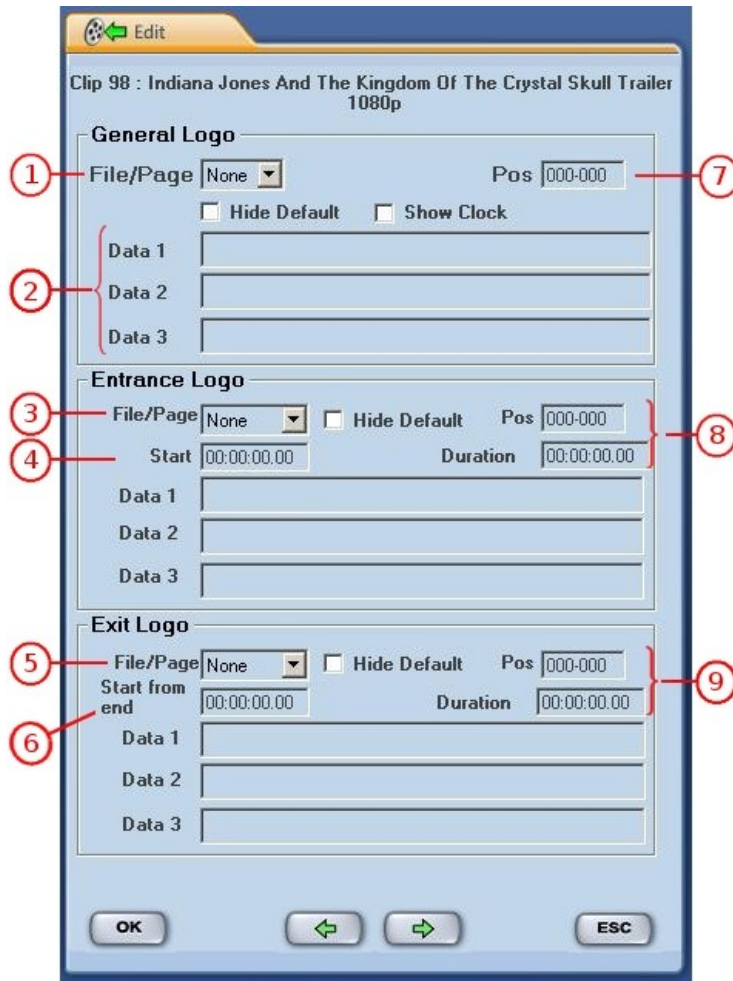
The image shows a software interface with three main sections:

- Loaded filters:** A list of filters applied to the clip:
 - MPEG Layer-3 Decoder
 - AVI Splitter 0003
 - LEAD Video RGB Converter
 - ffdshow Video Decoder
 - AVI Splitter
- File information:** Metadata about the clip:
 - File Extension:** AVI
 - File Type:** XVID
- Fields Type:** A dropdown menu with the following options:
 - None (selected)
 - Swap And Down
 - Swap and Up
 - Swap
 - First Field
 - Second Field

1.2.2. CLIP PARAMETERS



1	<u>SKIP</u>	The clip will be not played
	<u>SKIP IF LATE</u>	If the delay is longer than the 80% of clip duration, the clip will be skipped
	<u>CUT / STRETCH IF LATE / AHEAD</u>	If there's a delay or a prerun, the clip can be cut or stretch (to the TC Max value)
	<u>AUTOMATIC STOP</u>	At the end of the clip XPlayout will stop onairing
2	<u>XSCHEULER TIME</u>	Permits to set the Date and Time of the OnAiring of the clip. This works only if Exact Time is Enable
	<u>EXACT TIME</u>	Enable / Disable the option for OnAiring the clip at an exact time
	<u>ACTION</u>	Set which action to take when the Exact Time of the clip came
	<u>MARK IN</u>	Set the clip Mark In
	<u>MARK OUT</u>	Set the clip Mark Out
	<u>MAX TC</u>	Max Time Code, set the clip max stretch time (cannot be longer than the clip duration)
3	Entrance effect	
4	Exit effect	
5	Edit the Fields Type	
6	Set an Extra Crawl effect In	
7	Entrance effect duration	
8	Exit effect duration	
9	Edit the cropping effect	
10	Set an Extra Crawl effect Out	
11	Set gpi contacts to associate to the clip	



1	Clip logo
2	This fields are used for interacting with Theme Channel Ticker to update the live ticker
3	Entrance clip logo
4	Set the Time to start displaying the entrance logo
5	Exit clip logo
6	Set the Time from the end of the clip to start displaying the exit logo
7	Set clip logo position
8	Set the time and the position of entrance logo
9	Set the time and the position of exit logo

All changes will take effect only if you press OK

1.2.3. CLIP PREVIEW

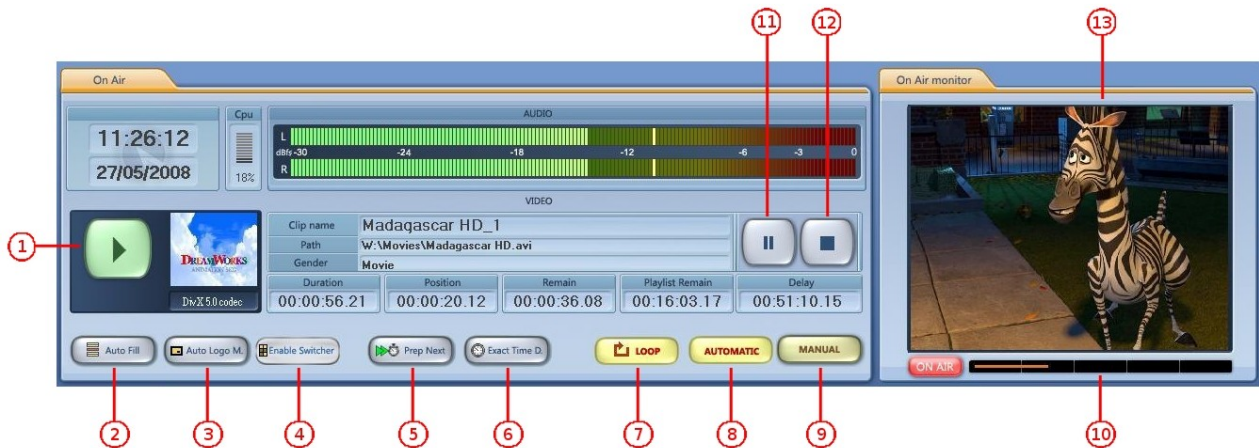
In every reference image on the list, there's a button which allow you to watch the file preview even if you are on air.



1	Marks
2	This buttons are for controlling the preview.

All the changes are not saved inside playlist file but only inside XPlaylist. If you try to reopen the playlist file with XScheduler, the changes will not be loaded

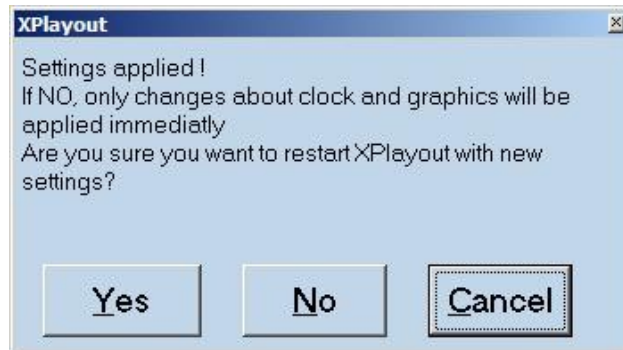
1.3. ON AIR INFORMATION



1	Start on air. If a clip is onair, the next one will be played
2	Enable / Disable the autofilling of the clip.
3	Enable / Disable the automatic logo management.
4	Enable / Disable the switcher control. It is enabled by default.
5	Enable / Disable the single clip / multi clip preparing.
6	Enable / Disable the option to start the clips at certain time.
7	Enable / Disable loop mode. Every time a clip is on air, the same one will be added at the bottom of the playlist
8	If pressed, when you load a playlist and go onair, XPlayout start AUTO MODE. At the end of the clip, automatically, XPlayout go to the next clip. If a clip is blocked, the software will skip to the next, so it will never stop.
9	If pressed, XPlayout goes on MANUAL MODE. The user must prepare and press play to put a clip on air. No automation is present in this situation.
10	Time cursor of the clip OnAir.
11	Pause on air. The software will automatically add on top of the playlist the remaining part of the onair clip.
12	Stop the on air
13	OnAir Preview

1.4. SYSTEM CONFIGURATION

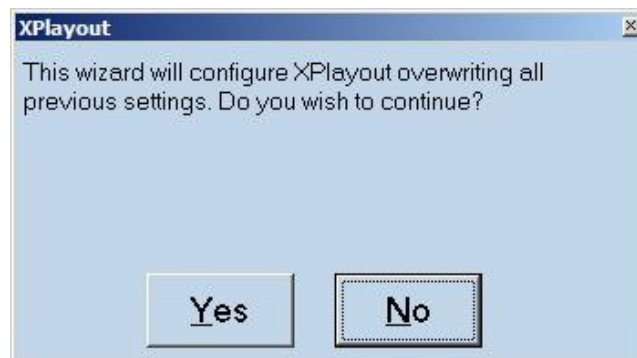
It is possible to set all devices parameters. If you press "SET", it will ask you if you want to reboot XPlayout to take effect all the changes



In all devices window, a field named "Routing switch" contains the command string to the switch

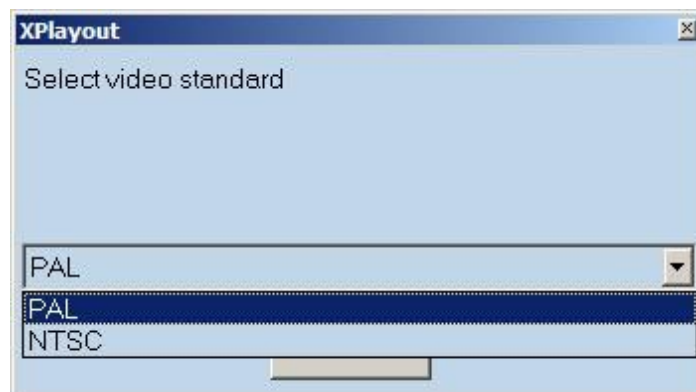
1.4.1. SETUP WIZARD

When you press the Setup Wizard Button, a window will pop up.

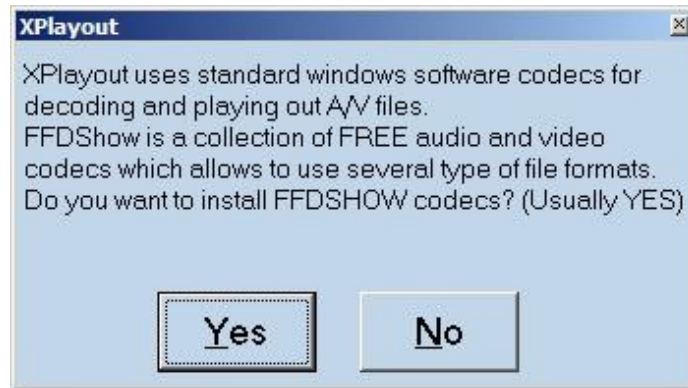


It's a wizard which will guide you to an easy setup of XPlayout, just following few steps:

- Select video standard (PAL o NTSC)



- Select if you want to install FFDSHOW codecs

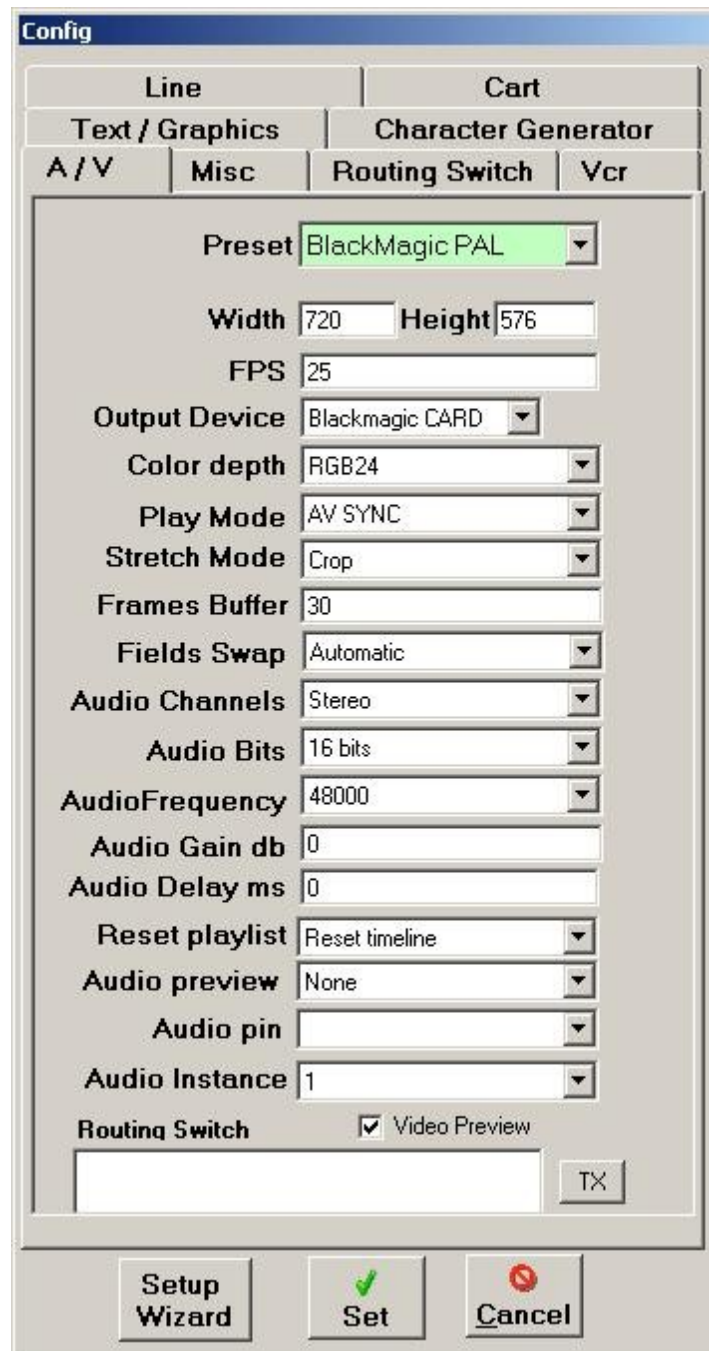


The wizard recognize what kind of video device is present. First at all it checks if a BlackMagic DeckLink is present, than a DV device (internal or external). If none of them is present, the normal vga card will be set.

At the end of the wizard the readme.txt file will be show

A default clip will be load and loop mode will be activated. This clip will be show every time your start XPlayout until you press the Play button.

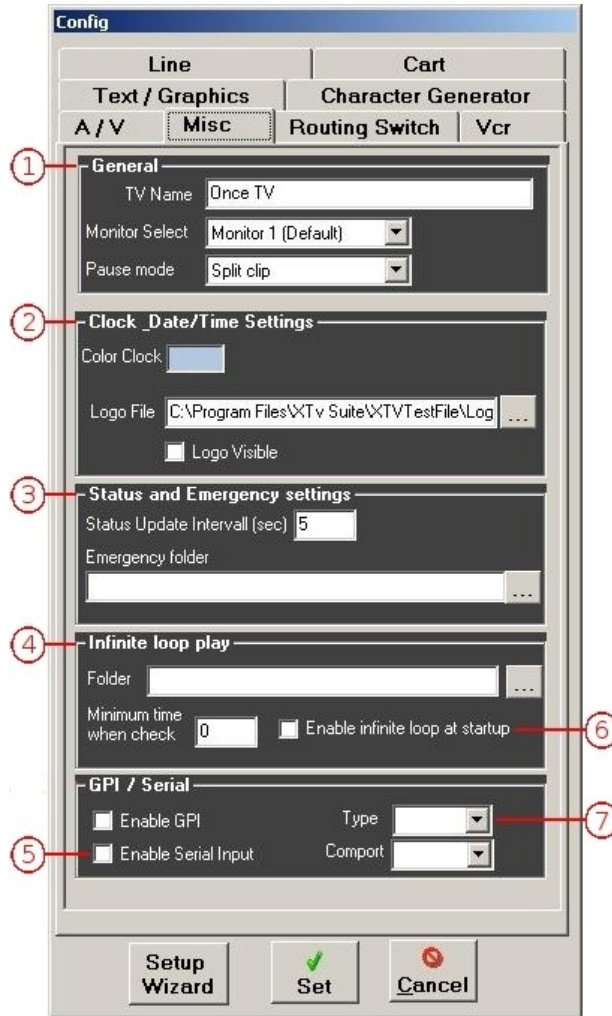
1.4.2. AUDIO / VIDEO




Preset	Set default values for the selected devices.
Video Width	Set the video width
Video Height	Set the video height
FPS	Set the video frames
Output Device	MICROSOFT DV: set a DV hardware as output device, using Microsoft DV codecs
	MAINCONCEPT DV: set a DV hardware as output device, using Mainconcept DV codecs (where presents)
	BLACKMAGIC: Set the DeckLink BlackMagic as output device
	VGA: Set standard VGA video card as output device (es. Matrox G550)
Color Depth	Set the colour depth
	VGA VMR: Set standard VGA video card as output device (es. ATI)

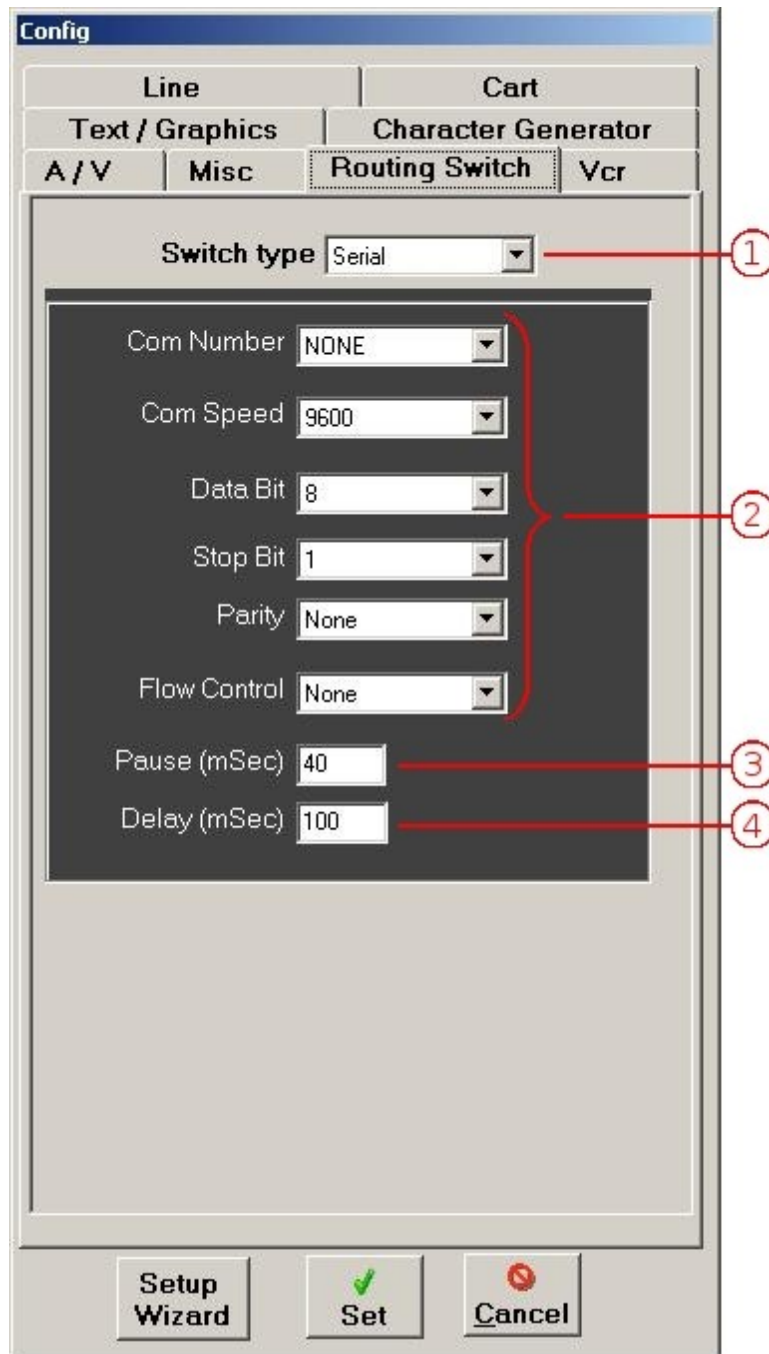
<i>Play Mode</i>	<i>RENDER ALL FRAMES:</i> render all A / V frames but out of sync errors may occur <i>AV SYNC:</i> If necessary, skip some frames to maintain the synchronization
<i>Stretch Mode</i>	<i>STRETCH:</i> stretch the video to the selected resolution
	<i>CROP:</i> Cut the preview using the predefined video size
	<i>PRESERVE ASPECT :</i> Preserves the resolution adding two black bars above and below the image <i>PRESERVE ASPECT NO LETTERBOX :</i> Preserves the resolution without adding two black bars above and below the image
<i>Frames Buffer</i>	Set how many frames to load in the buffer
<i>Fields Swap</i>	If you select "AUTOMATIC", XPlayout will choose automatically the right configuration
<i>Audio Channels</i>	Set the audio as STEREO or MONO
<i>Audio Bits</i>	Set the bits number used for audio
<i>Audio Frequency</i>	Set the audio frequency
<i>Audio Gain dB</i>	Set the audio gain
<i>Audio Delay (ms)</i>	Set the delay or the prerun of the audio
<i>Reset Playlist</i>	<i>TIMELINE:</i> If the playlist is blocked, a software reset is run
	<i>OUTPUT:</i> If the playlist is blocked, an hardware reset is run. In this case, a discontinuity may occur on the output
<i>Audio Preview</i>	Set the audio preview device
<i>Audio Pin</i>	Set the audio pin
<i>Audio Instance</i>	Set the instance (number) of the device
<i>Video Preview</i>	Enable / Disable preview window

1.4.3. MISC



<p>1</p>	<p>Edit the Name of the TV Station that will be shown in the clock and the output monitor where to show the XPlayout.</p> 
<p>2</p>	<p>Edit the Settings for the Clock that is displayed on the output</p>
<p>3</p>	<p>Set the status update interval and the folder for emergency</p>
<p>4</p>	<p>Set the Filler Folder for XPlayout.</p>
<p>5</p>	<p>Enable / Disable the serial input. If you enable gpi, you have to set COM port</p>
<p>6</p>	<p>Enable / Disable the infinite loop at startup</p>
<p>7</p>	<p>Enable / Disable gpi control. If you enable gpi, you have to select the type</p>

1.4.4. SWITCHERS



1	Set the serial port
2	Configure the Serial Port
3	Set the "short" pause
4	Set the "long" pause

1.4.5. VCRS

The image shows a 'Config' dialog box with a 'Vcr' tab selected. The dialog is divided into sections for 'Line' and 'Cart', and further into 'Text / Graphics' and 'Character Generator'. Under 'Character Generator', the 'Vcr' sub-tab is active. It contains four VCR configuration sections (VCR 1 to VCR 4). Each section has a 'Type' dropdown (marked with a red circle 1), a 'Com' dropdown (marked with a red circle 2), and a 'Standard' dropdown (marked with a red circle 3). There is also a 'TX' button and a 'Routing Switch' label with an empty text box below each section. At the bottom of the dialog are 'Setup Wizard', 'Set', and 'Cancel' buttons.

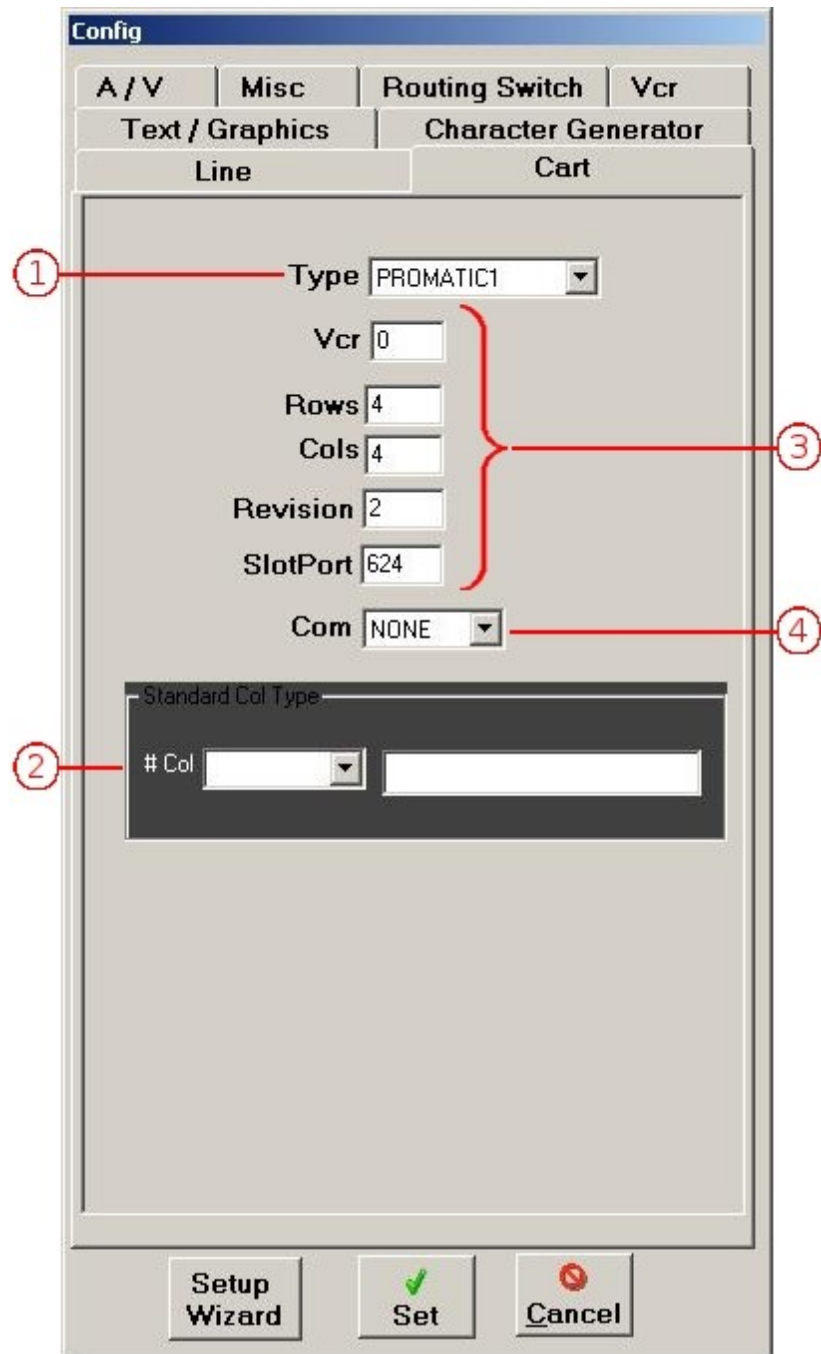
1	Set the vcr type
2	Set the serial port
3	Set the vcr standard

1.4.6. LINES

For this kind of device, there's no parameters to set, except for the crossing string for the switch

The image shows a software configuration window titled "Config". It has several tabs: "A/V", "Misc", "Routing Switch", "Vcr", "Text / Graphics", "Character Generator", "Line", and "Cart". The "Line" tab is currently selected. Inside this tab, there is a "Select line" dropdown menu showing "Line 0 (black)". Below this, there is a section for "Line 0 (black)" with a "Name" field containing "Black" and a "TX" button. Underneath is a "Routing Switch" section with an empty text box. At the bottom of this section is a "Default duration" section with two time input fields: "Line" set to "00:00:05.00" and "Black" set to "00:00:05.00". At the very bottom of the window are three buttons: "Setup Wizard", "Set" (with a green checkmark icon), and "Cancel" (with a red stop sign icon).

1.4.7. CART MACHINES



1	Cart machine type
2	For each vcr inside the cart, select the type
3	Cart machine parameters
4	Serial port number

1.4.8. CHARACTER GENERATOR

The image shows a software configuration window titled "Config". It has a tabbed interface with the following tabs: "Line", "Cart", "A/V", "Misc", "Routing Switch", "Vcr", "Text / Graphics", and "Character Generator". The "Character Generator" tab is selected and highlighted with a dotted border. Inside this tab, there is a checkbox labeled "Enable / Disable CG" which is currently unchecked. Below the checkbox is a section titled "- Settings" containing two input fields: "Address" and "Port". At the bottom of the dialog, there are three buttons: "Setup Wizard", "Set" (with a green checkmark icon), and "Cancel" (with a red 'X' icon).

This panel is for setting up the connection with CG Ployout. In the Address field it has to be inserted the IP or name of the PC with CG Ployout installed, and in port the communication port with CG Ployout (usually 101). In CG Ployout all you have to do is to create up to 99 themes (themes from 01 to 49 are for MoreCG and themes from 50 to 99 are for Castalia CG), which correspond to the logo pages, so that when a clip has that page as logo the CG Ployout theme is used instead.

1.4.9. TEXT / GRAPHICS

Config

Line Cart

A / V Misc Routing Switch Vcr

Text / Graphics Character Generator

- Clock Preferences -

X: 600 Y: 50

Font: Arial

Size: 35 Text Color: [White] Text Alpha: 150

Back Color: [Black] Back Alpha: 0

Time Format: HH:mm:ss

- Text Preferences -

X: 360 Y: 490

Font: Arial

Size: 50 Text Color: [White] Text Alpha: 255

Back Color: [Black] Back Alpha: 0

- Crawl Preferences -

Y: 490 Arabic H. Speed: 4

Font: Arial

Size: 50 Text Color: [White] Text Alpha: 255

Back Color: [Black] Back Alpha: 0

Setup Wizard Set Cancel

In this panel it is possible to set font, size, colour and position of the fixed elements: Clock, Text and Crawl text.

4. X-CAPTURE

XCapture is a software for digital recording using whichever audio and video codecs you want. The first time the program is started, it help the user to autoconfigure itself.



Select the video format you use

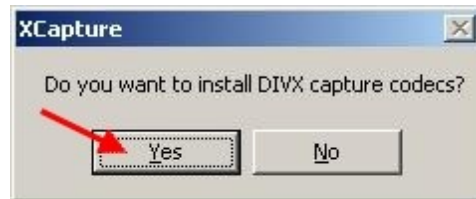


1.1. CODEC INSTALLATION

Configuring the codec is very simple. XCapture automatically asks you to install the most common codecs for video capture:

1.1.1. DIVX CODEC INSTALLATION

- Select **Yes**



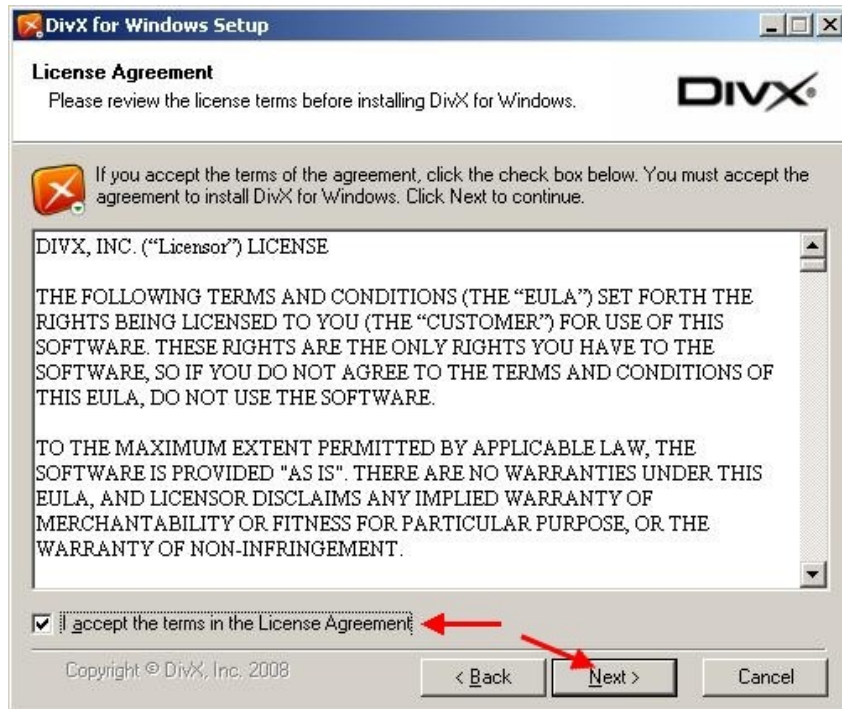
- Select your language and click on **OK**



- Click on **Next**



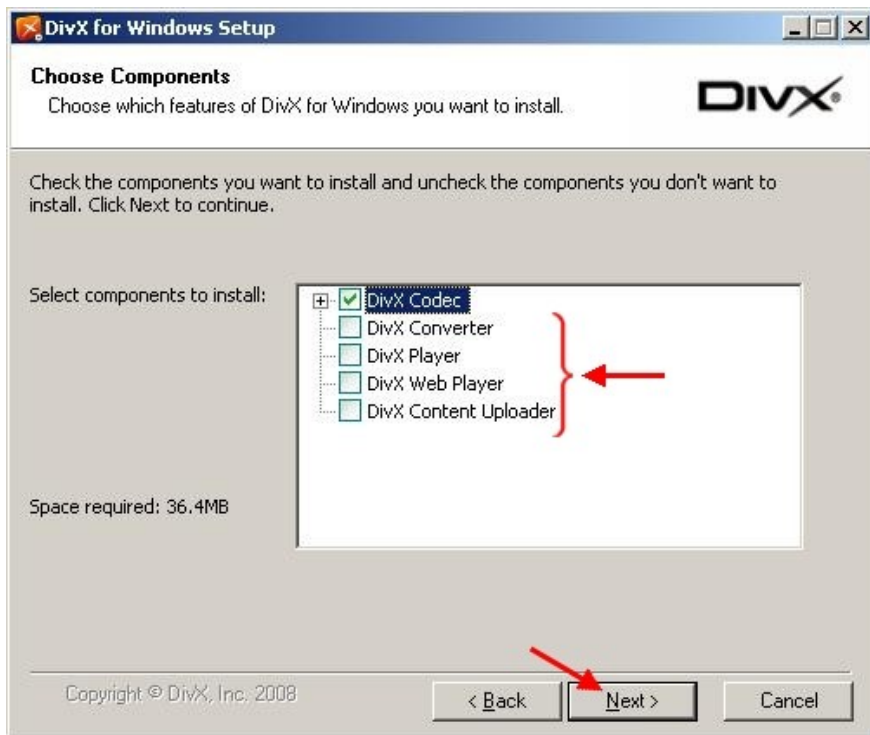
- Accept the terms and click on **Next**



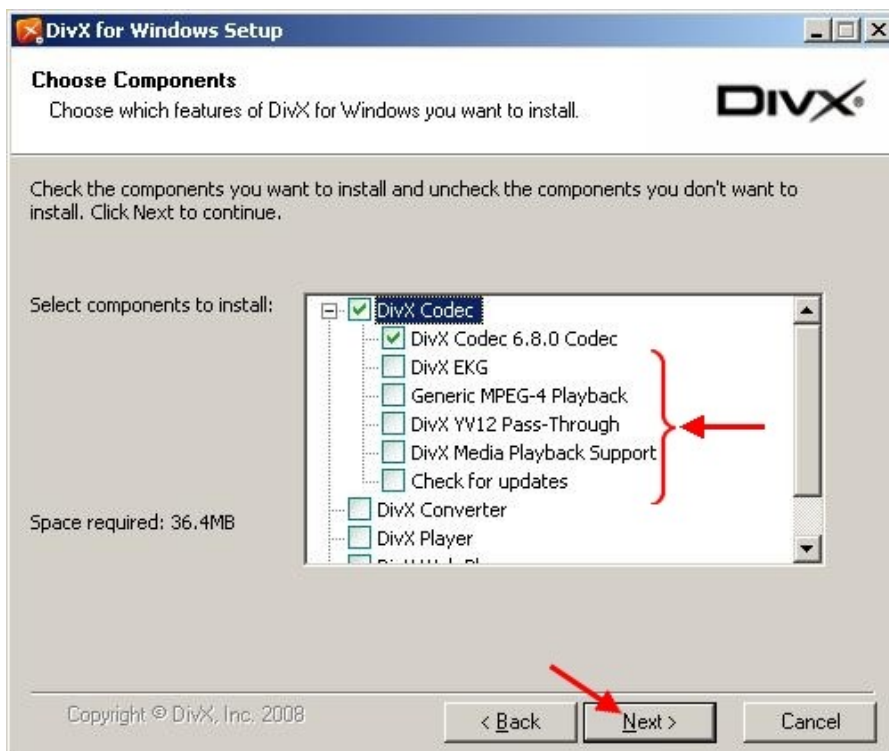
- You can choose to download the new version or not. The version included in the XTV Suite is suggested. Then click on **Next**



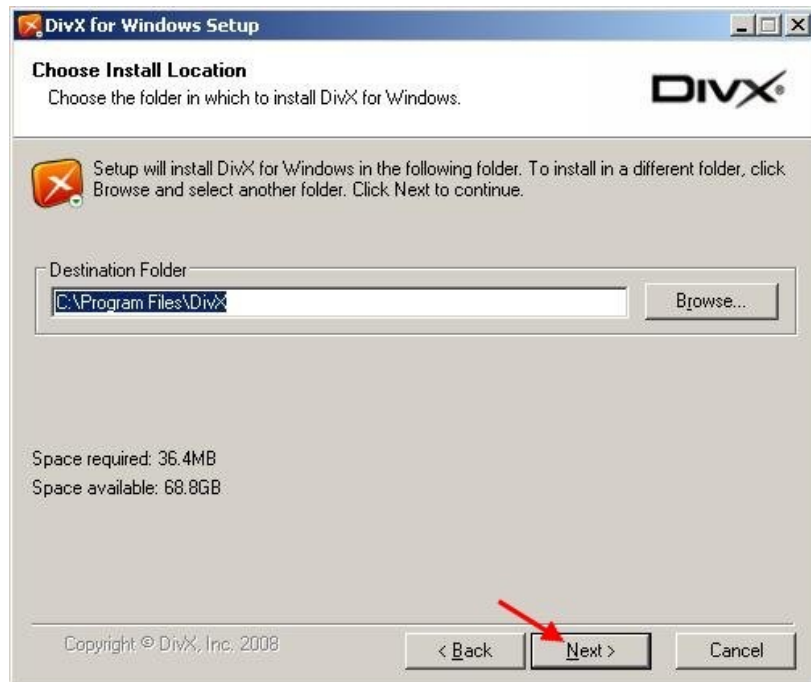
- Deselect all except for the **DivX Codec** and click on **Next**



- Deselect all except for the **DivX Codec 6.8.0 Codec** and click on **Next**



- Click on **Next**



- Select **Do not install the Yahoo! Toolbar** and click on **Next**

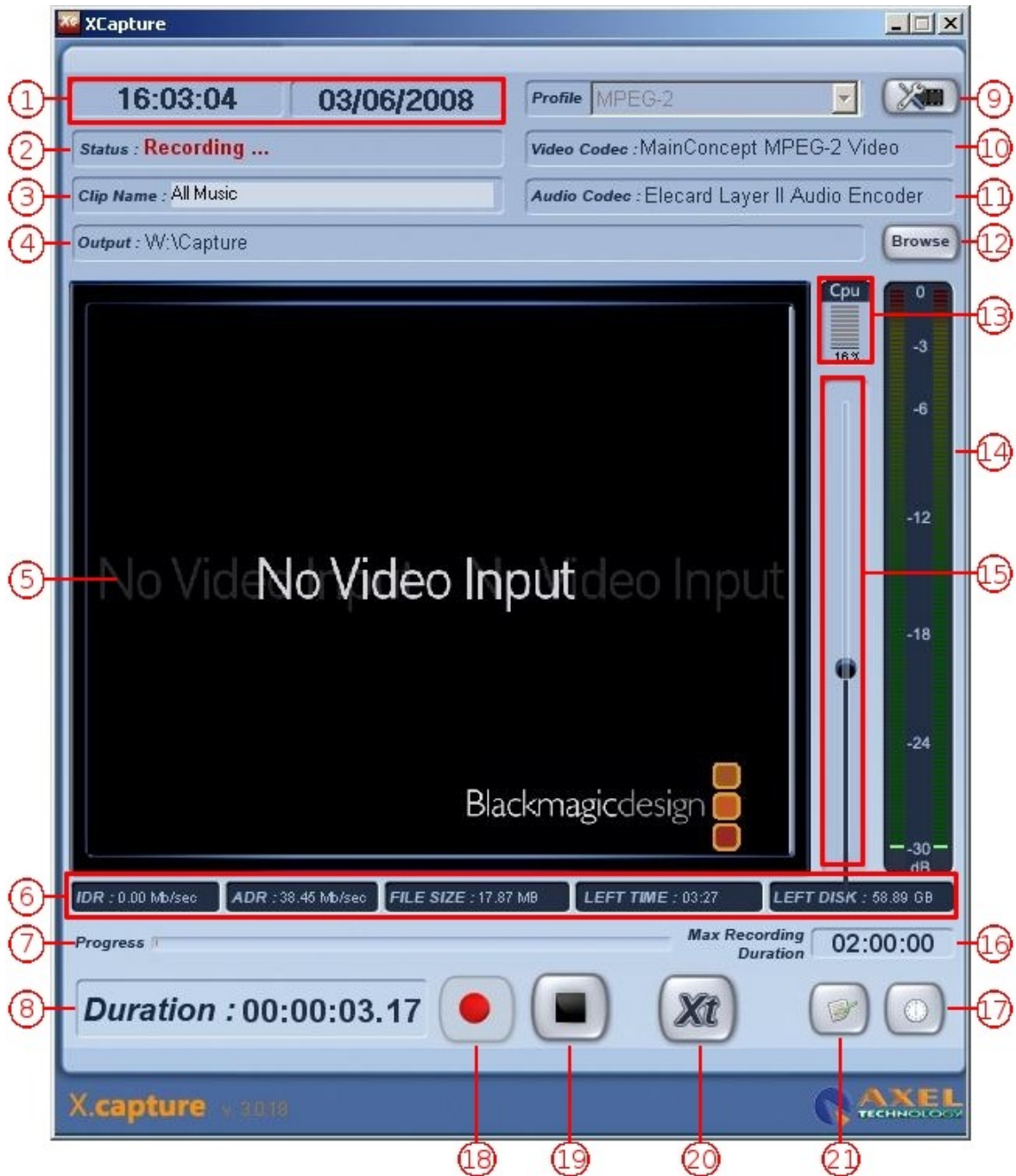


- Click on **Next**



- Click on **Close** to finish the installation procedure.





1	Displays current date and time	
2	Shows the Status of the Capture	
3	In this box it is possible to preset the name of the file to be recorded	
4	Set the folder where to save the file	
5	Display a preview of the video captured	
6	Shows some useful informations	
	IDR	Video Instant Data Rate
	ADR	Audio Instant Data Rate
	FILE SIZE	File size of the clip that is being recorded
	LEFT TIME	Left recording time based on the current capturing settings
	LEFT DISK	Left disk space on the selected folder

7	Progress of the recording
8	Duration of the file to be recorded
9	Open the profile configuration panel
10	Displays the current Video Codec used
11	Displays the current Audio Codec used
12	Select where to save the recorded file
13	Shows the CPU usage
14	Displays the VU Meters for the audio
15	Volume Control. By default it is set to the 0 dB level
16	Set the
17	Open the Scheduler
18	Start recording
19	Stop recording
20	Open XTrimmer with the recorded Clip
21	Enable / Disable the automatic opening of XTrimmer at the end of the clip recording

When you press STOP, a window will appear asking you for a file name for the current recording. If you type nothing or press CANCEL, no file will be save and the current recording will be deleted.

If you decide to save the recording, you can immediately edit it with XTrimmer

1.2. PROFILE SETTING

Clicking on the button number 9 will open the Profile Setting Configuration windows. Here you can set up all the profiles and the video codecs.

1.2.1. DIVX PROFILE SETTINGS

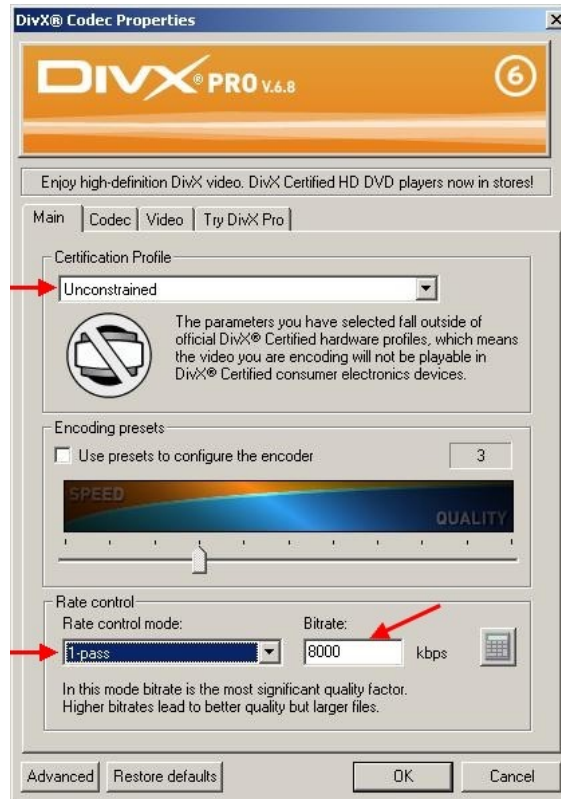
- Select the **DIVX & MP3** profile and click on **Filter Parameters**



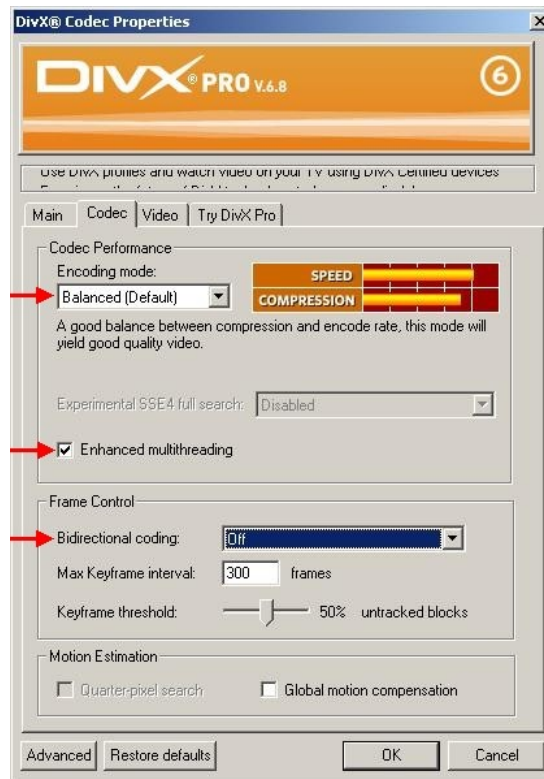
- From the combobox select the codec you wish to configure



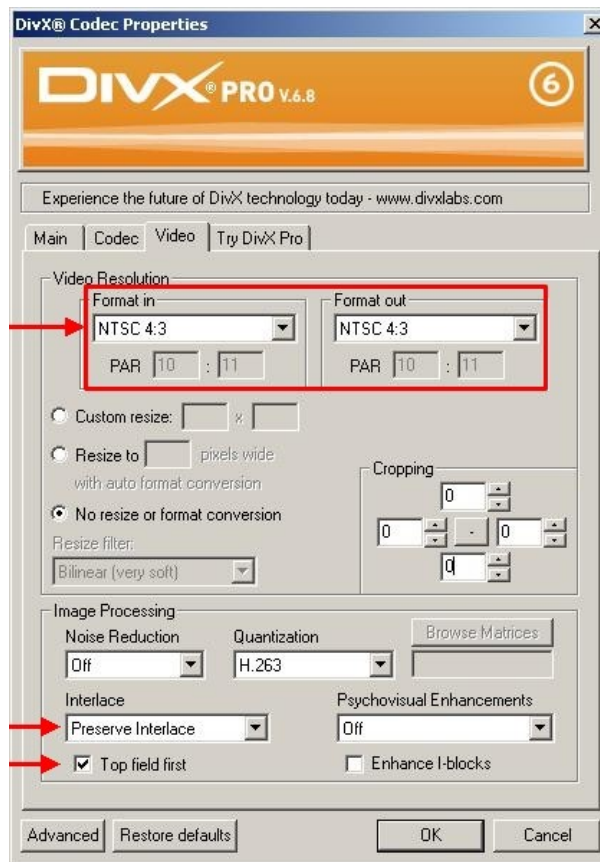
- Open the **Main** tab
 - Set **Unconstrained** as **Certification Profile**
 - Set **1-pass** as **Rate control mode**
 - Set **8000** as **Bitrate**



- Open the **Codec** tab
 - Set **Balanced** as **Encoding mode**
 - Enable the **Enhanced multithreading** option
 - Set the **Bidirectional coding** to **Off**



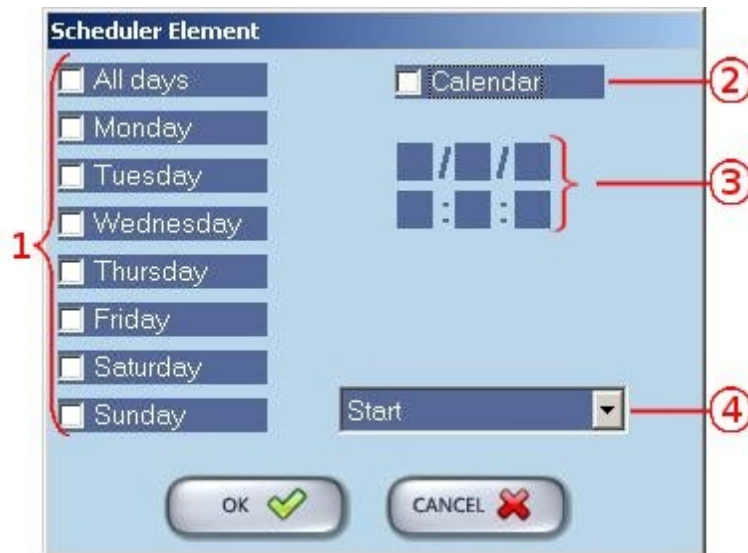
- Open the **Video** tab
 - Set **NTSC 4:3** as **Format In** and **Format Out**
 - Set **Preserve Interlace** in the **Interlace** combobox
 - Enable the **Top Field First** option



1.3. RECORDING SCHEDULER



1. Add a schedule using the window below



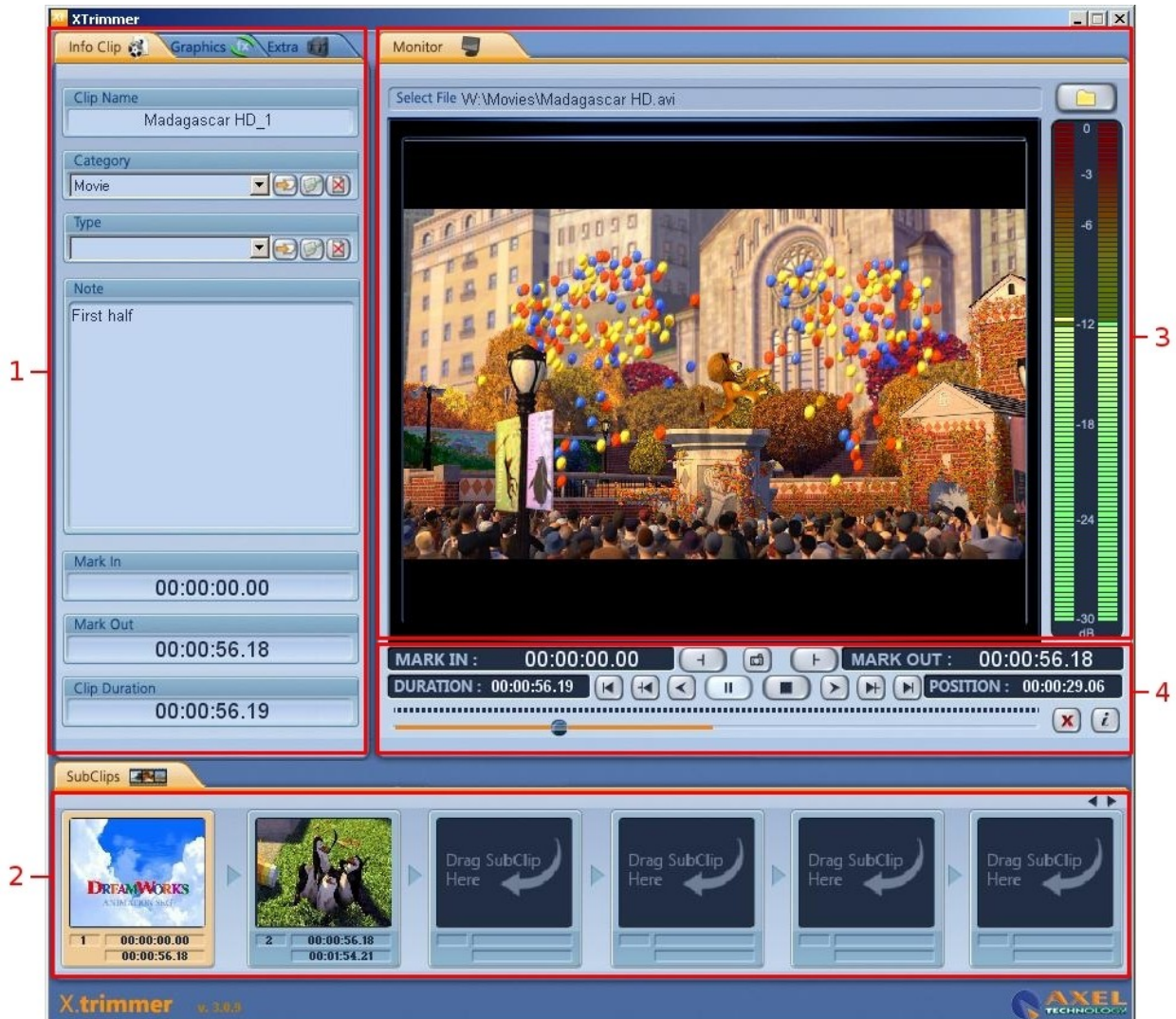
- 1.1 Select the day of the week.
- 1.2 If you check this option, the schedule will start ONLY on the date you write
- 1.3 Set schedule exact date and time
- 1.4 Select schedule type (START or STOP)

2. Edit the selected schedule
3. Delete the selected schedule
4. Schedule list

5. X-TRIMMER

Xtrimmer is a software used for files marking.

User interface, as shown in the picture below, is very simple



1	Displays the metadata informations for the clip
2	Displays the subclips in which is divided the clip
3	Displays the clip and the VU meter
4	Shows useful informations about the selected subclip

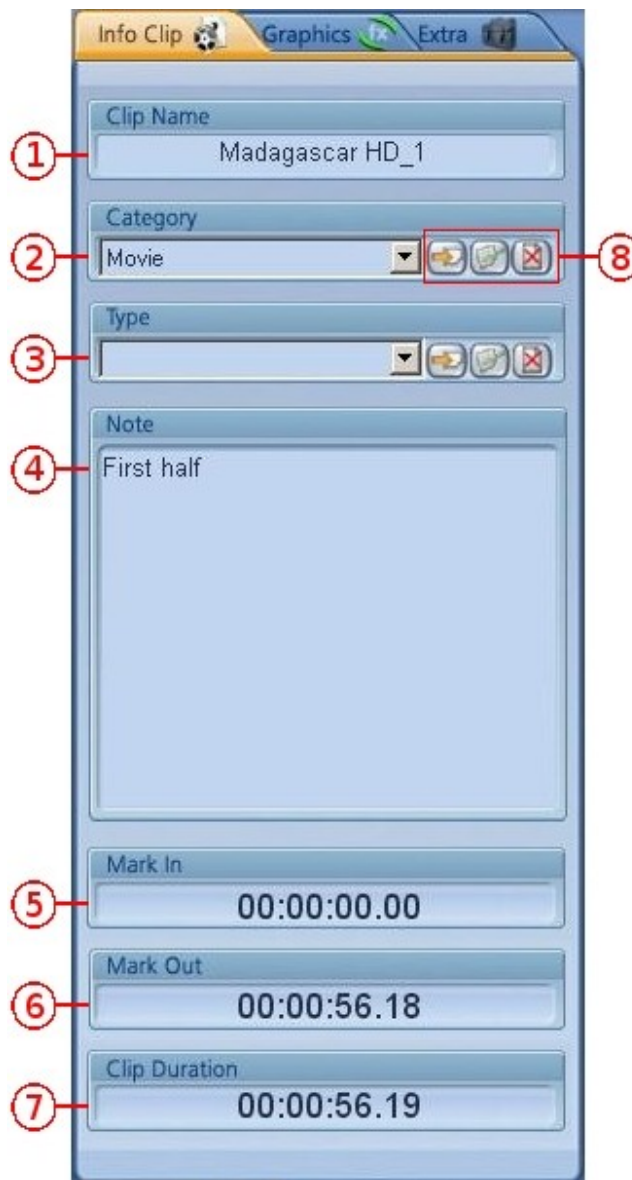
1.2. CLIP METADATA

Every subclip can contains also more information, called metadata, useful for clip management

All the information about subclips are stored directly inside the media file, without using database or extern files. In this way you can copy media files in every NTFS format drives and the information will be always visible. If the clip is copied in a FAT32 format drive, all the metadata are lost.

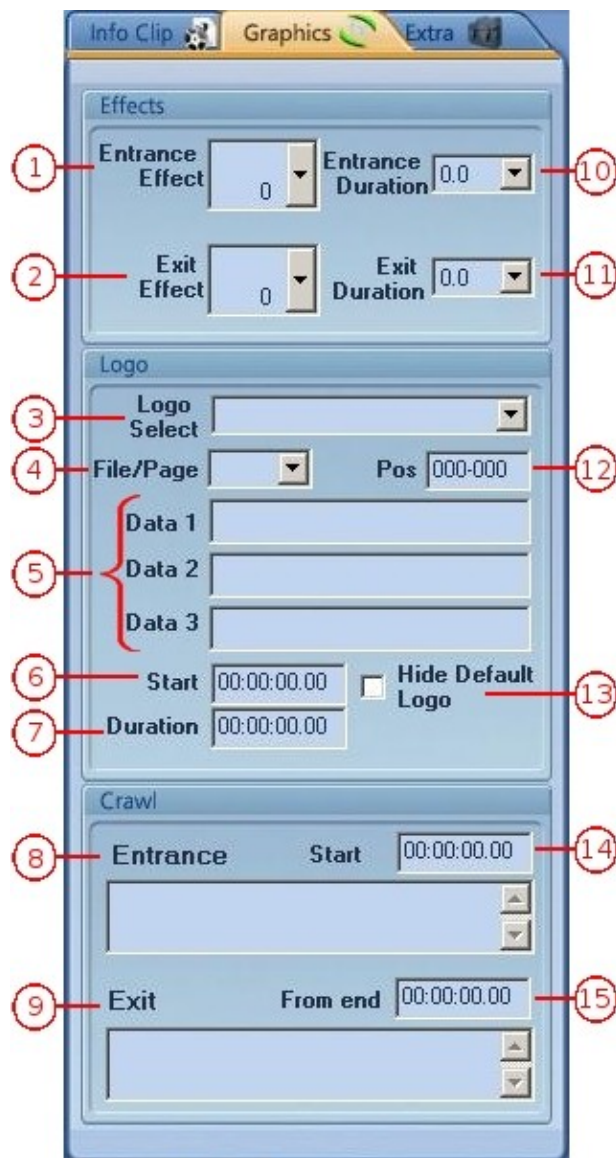
The clip metadata are divided in three: Clip Info, Graphic Data and Extra

1.2.1. CLIP INFO



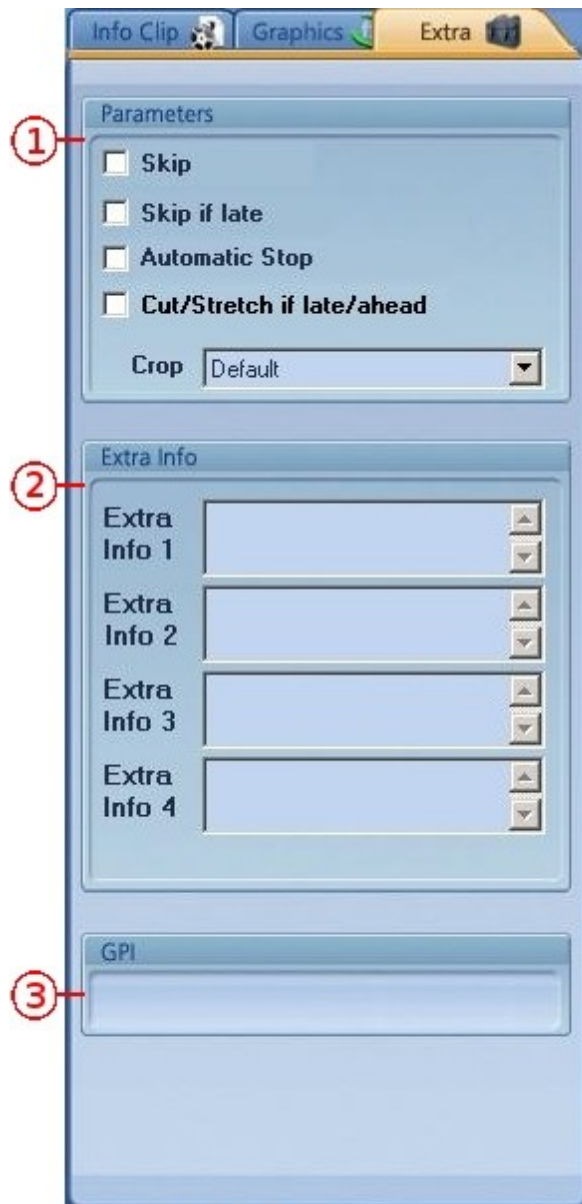
1	Displays the Clip Name
2	Displays the Clip Category
3	Displays the Clip Type
4	Displays the note regarding the clip
5	Shows the clip / subclip Mark In time
6	Shows the clip / subclip Mark Out time
7	Shows the clip / subclip duration
8	Insert, Edit or Delete a clip Category or Type from the list

1.2.2. GRAPHICS DATA



1	Displays the selected entrance effect for the clip / subclip
2	Displays the selected exit effect for the clip / subclip
3	Displays the selected logo for the clip / subclip
4	Displays the File / Page of the clip /subclip logo
5	Displays the Data for interacting with the CG Suite
6	Sets the Start time of the logo
7	Sets the logo displaying duration
8	Sets a Crawl entrance effect
9	Sets a Crawl exit effect
10	Sets the duration for the entrance effect
11	Sets the duration for the exit effect
12	Sets the logo position
13	Enable / Disable the Default Logo
14	Sets the Start time for the entrance crawl effect
15	Sets the time from the end of the clip / subclip for the exit crawl effect

1.2.3. EXTRA DATA



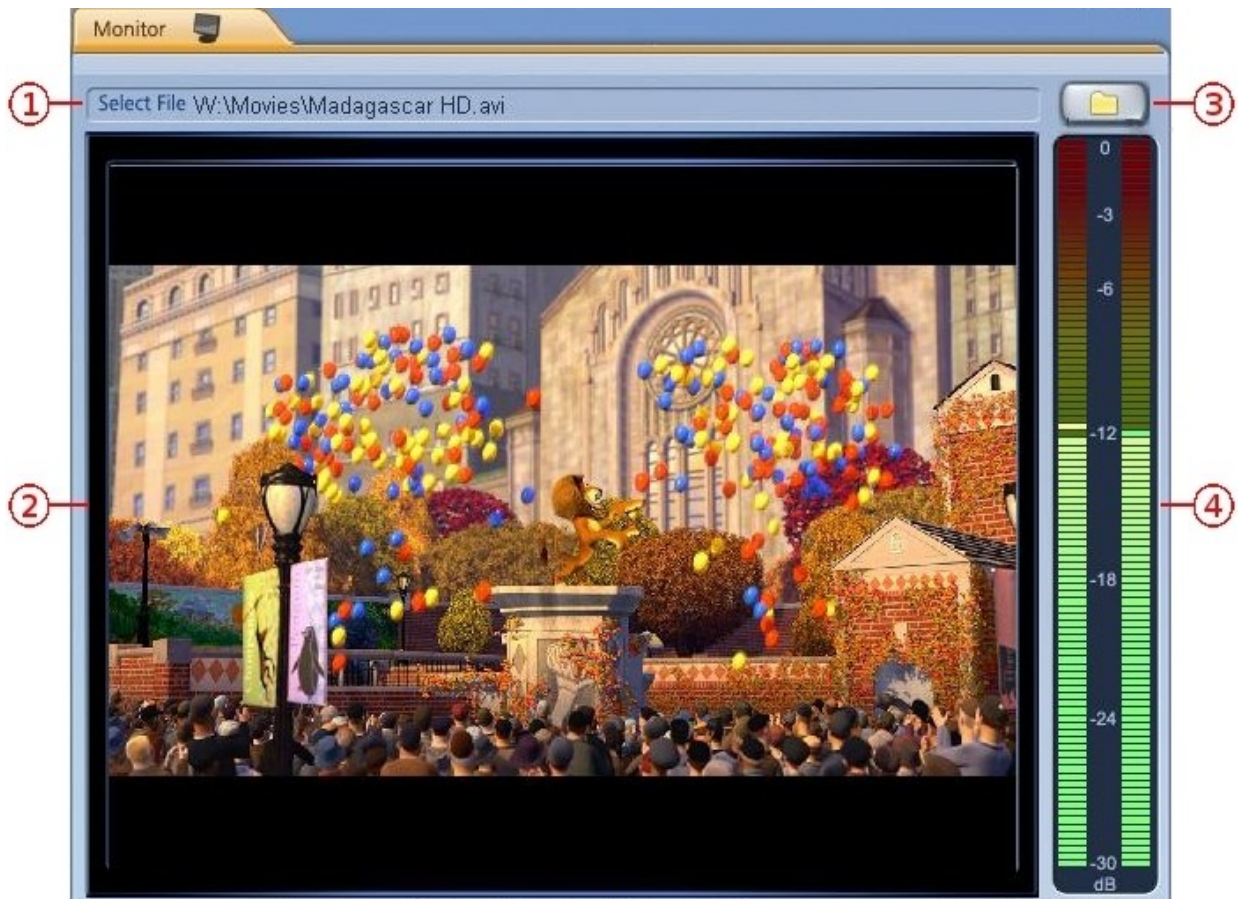
1	Displays the parameters for the selected clip / subclip	
	<u>SKIP</u>	Enable / Disable the possibility to skip the clip
	<u>SKIP IF LATE</u>	Enable / Disable the possibility to skip the clip if the playlist is in late
	<u>AUTOMATIC STOP</u>	Enable / Disable the possibility to stop the clip
	<u>CUT / STRETCH IF LATE / AHEAD</u>	Enable / Disable the possibility to cut the clip if the playlist is in late or stretch it if it is ahead
	<u>CROP</u>	Set the crop mode for the selected clip / subclip
2	Displays the extra informations for the selected clip / subclip	
3	Sets the GPI contact for the selected clip / subclip	

1.3. SUBCLIP INFO



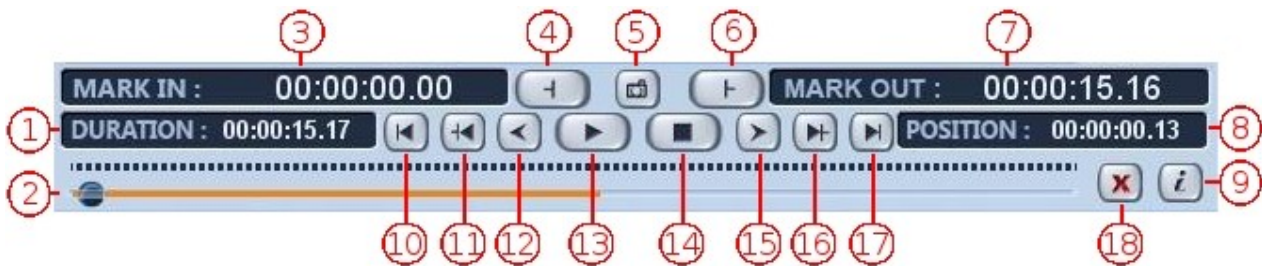
1	Show the subclip reference image
2	Show the subclip Mark In
3	Show the subclip Mark Out
4	Show the subclip number

1.4. MONITOR



1	Show the current file
2	Monitor Preview
3	Open a file
4	Vu Meters level

1.5. CLIP INFO



1	Show the clip duration
2	Progress bar
3	Show the clip Mark In
4	Set the subclip Mark In
5	Grab the current frame to associate with the subclip
6	Set the subclip Mark Out
7	Show the clip Mark Out
8	Show the current cursor position
9	Open a window with the informations about the clip
10	Point the cursor at the beginning of the file
11	Point the cursor at the beginning of the subclip selected marker
12	Point the cursor to the previous frame
13	Play the file
14	Stop the file
15	Point the cursor to the next frame
16	Point the cursor at the end of the subclip selected marker
17	Point the cursor at the end of the file
18	Delete all the file metadata

6. X-SCHEDULER

XScheduler is a software used for playlist creation and management.

You can add, beyond to media file, even extern events (like vcrcs, blacks, lines) or jpg (or bmp) bitmap. The user interface is windows style so it can be used for everyone who can user Windows product.

The main window is divided in three parts:

#	C	Image	Start / End Time	Clip Duration	Title	Media Path	Total File Duration	Stop	Cut	Skip	Skip if late	Clock	Lock Time
1			14:44:26 14:46:24	00:01:58.44	The_Rules_of_Attraction...	W:\Capture\The_Rules_of_Attraction_720 w...	00:01:58.00						
2			14:46:24 14:46:39	00:00:14.76	Queen - Bohemian Rhapso...	W:\Music\Queen - Bohemian Rhapody.mpg	00:00:15.00						
3			14:46:39 14:48:57	00:02:18.15	the_queen	W:\Trailers\the_queen.mov	00:02:18.00						
4			14:48:57 14:50:30	00:01:33.11	fast_food_nation	W:\Trailers\fast_food_nation.mov	00:01:33.00						
5			14:50:30 14:50:32	00:00:01.56	Rihanna - Do not stop the ...	W:\Music\Rihanna - Do not stop the music.m...	00:00:02.00						
6			14:50:32 14:50:37	00:00:05.00	Black	10	00:00:05.00						
7			14:50:37 14:51:06	00:00:29.03	the_simpsons_movie	W:\Trailers\the_simpsons_movie.mov	00:00:29.00						
8			14:51:06 14:51:10	00:00:04.50	Jingle1	W:\Jingle\Jingle1.mpg	00:00:04.00						
9			14:51:10 14:53:02	00:01:51.52	Indiana Jones And The Kin...	W:\Trailers\Indiana Jones And The Kingdom ...	00:01:52.00						
10			14:53:02 14:59:01	00:05:58.91	Cascada - truly,madly,deeply	W:\Music\Cascada - truly,madly,deeply.mov	00:05:59.00						
11			14:59:01 14:59:16	00:00:15.57	Chevrolet	W:\Spot\Chevrolet.mpg	00:00:17.00						
12			14:59:16 14:59:26	00:00:10.00	Line 1	11	00:00:10.00						
13			14:59:26 14:59:56	00:00:29.64	D&G	W:\Spot\D&G.mpg	00:00:30.00						
14			14:59:56 15:00:54	00:00:58.13	Madagascar HD_2	W:\Movies\Madagascar HD.avi	00:01:55.00						
15			15:00:54 15:00:58	00:00:03.60	Flash News	W:\News\Flash News.avi	00:00:04.00						
16			15:00:58 15:01:54	00:00:56.78	Madagascar HD_1	W:\Movies\Madagascar HD.avi	00:01:55.00						

1	Menu and Tool bar
2	Grid with the playlist items
3	Browser

1.1. MENU AND TOOL BAR

There are three bars: Home, Action and Tools. Each of them allow the user to edit the playlist.

1.1.1. HOME BAR



1	Create a new playlist
2	Open a playlist
3	Save current playlist
4	Close current playlist
5	Save current playlist typing the file name
6	Cut selected clip(s)
7	Copy selected clip(s)
8	Paste selected clip(s)
9	Delete selected clip(s)
10	Undo last operation
11	Add a playlist to the playlist
12	Add a clip to the playlist
13	Add a bitmap (bmp or jpg) to the playlist
14	Add a "black" event to the playlist
15	Add a "line" event to the playlist
16	Add a "vcr" event to the playlist
17	Add an "empty" event to the playlist
18	Insert the playlist as a single row
19	Expand the playlist single row with its content
20	Collapse the content of a playlist in a single row. You have to select all the clips of the playlist you want to collapse.

1.1.2. ACTION BAR



1	Select all clip(s)
2	Find (or replace) a string inside the document
3	Move up selected clip(s)
4	Move down selected clip(s)
5	Point the cursor to the typed row
6	Select which default clip parameters will be set when a clip is added
7	Select which default clip parameters will be set when an extern line is added

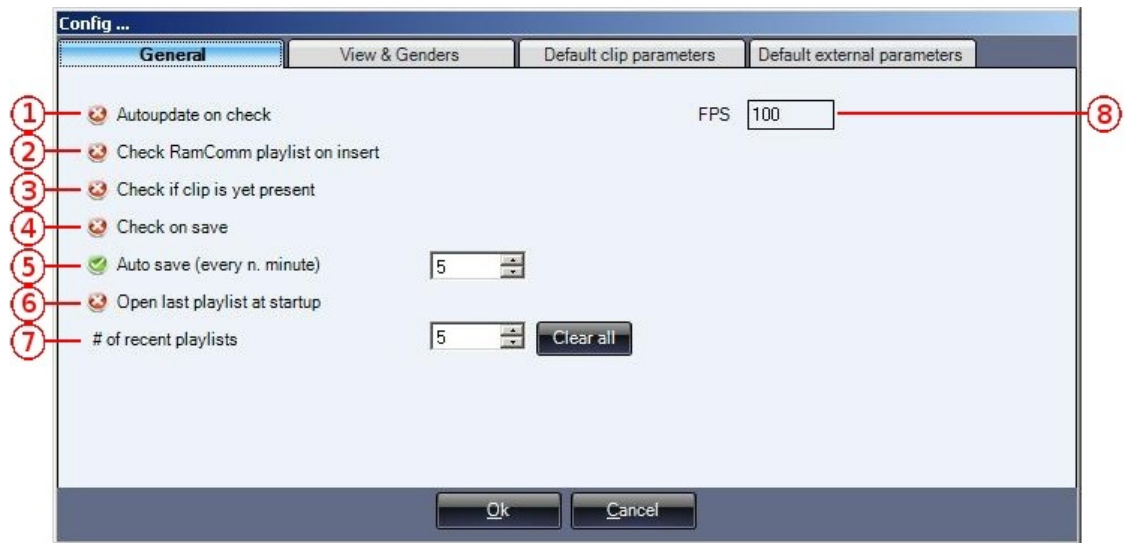
1.1.3. TOOLS BAR



1	Open XTrimmer loading the selected file
2	Open XCapture to fill the empty row
3	Open Windows Media Player
4	Replace the selected clip(s) with another one
5	Check the selected clip(s)
6	Open the Settings Panel
7	Select the XML format file for the view type
8	Save the current view type
9	Open the help page
10	About the XTV

1.2. SETTINGS PANEL

1.2.1. GENERAL CONFIG



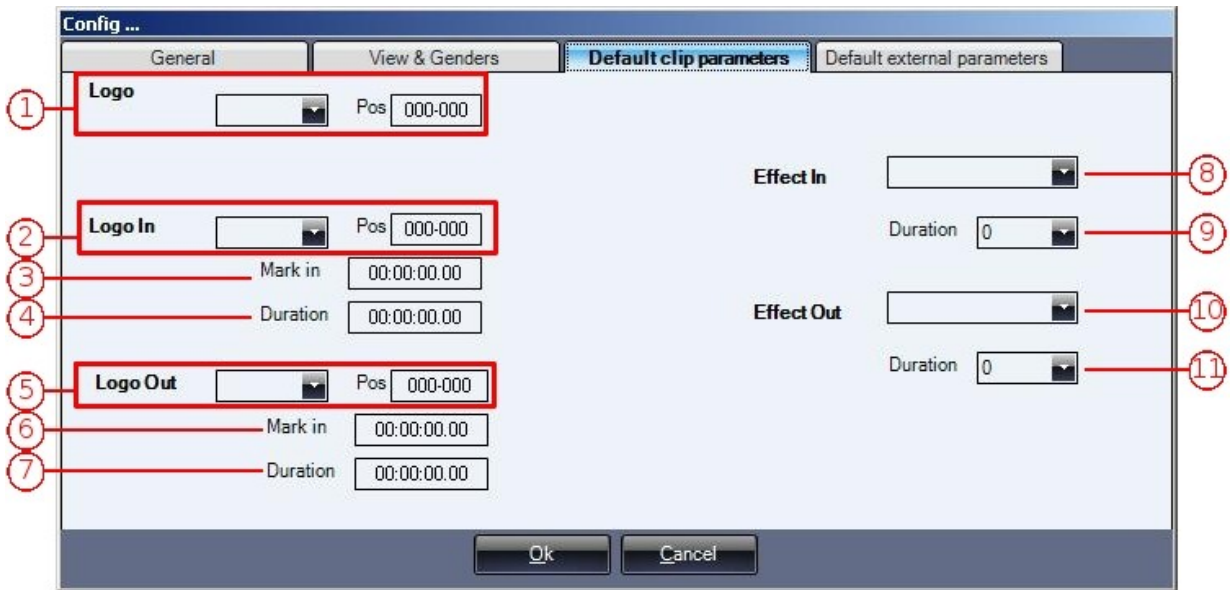
1	
2	
3	Check if the clip is already present in the playlist or not
4	Check the clip when you save the playlist
5	Enable / Disable the auto saving option
6	Enable / Disable the automatic opening of the last playlist on startup
7	Set the number of the recent playlist to be shown in the menu
8	Set the FPS base unit

1.2.2. VIEW & GENDER CONFIG



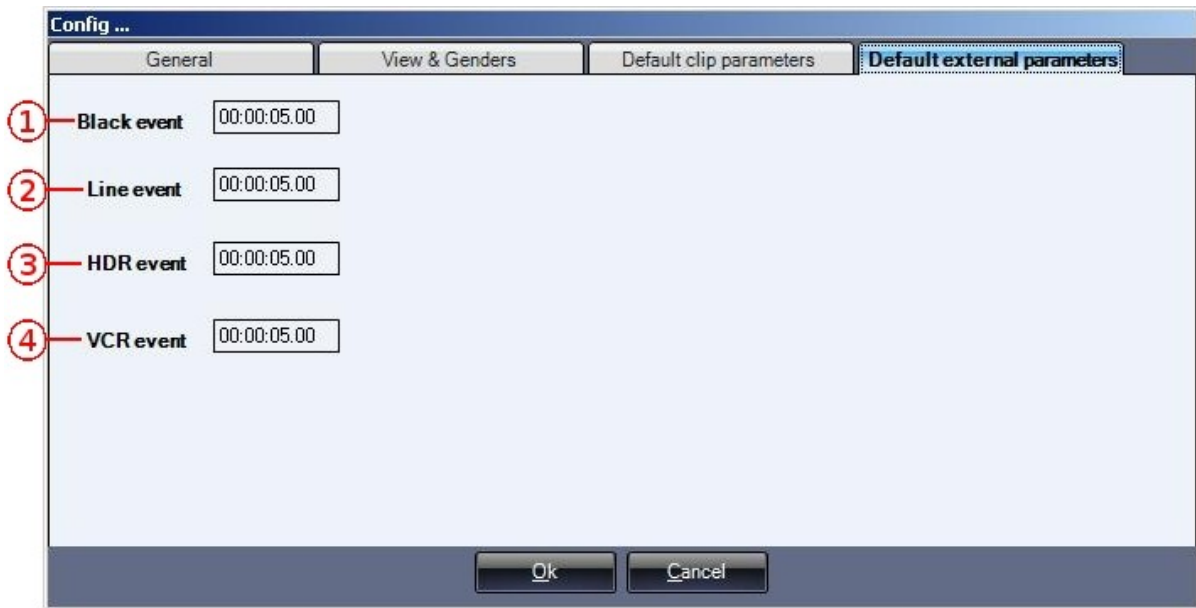
1	Select the program skin
2	Select the grid style
3	Set the duration length of the bar in the playlist
4	Enable / Disable displaying the start time in the grid
5	Enable / Disable using the bold font for the end time
6	Set Random Colours for the grid gender
7	Check and update the file genders in the playlist and put them in the gender list to give them a colour

1.2.3. DEFAULT CLIP PARAMETERS CONFIG



1	Set the default logo and position for all the clips
2	Set the default logo in and position for all the clips
3	Set the default Mark In time for the logo in
4	Se the default Duration for the logo in
5	Set the default logo out and position for all the clips
6	Set the default Mark In time for the logo out
7	Se the default Duration for the logo out
8	Select the default Effect In for all the clips
9	Set the default Effect In Duration
10	Select the default Effect Out for all the clips
11	Set the default Effect Out duration

1.2.4. DEFAULT EXTERNAL PARAMETERS CONFIG



1	Set the Default time length for the Black event
2	Set the Default time length for the Line event
3	Set the Default time length for the HDR event
4	Set the Default time length for the VCR event

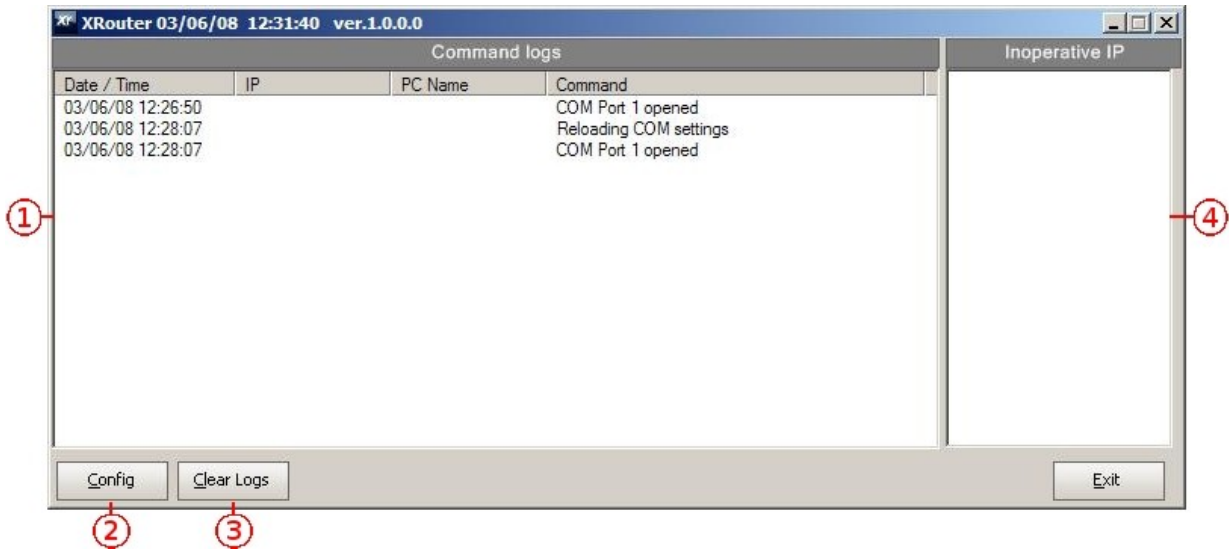
1.3. BROWSER



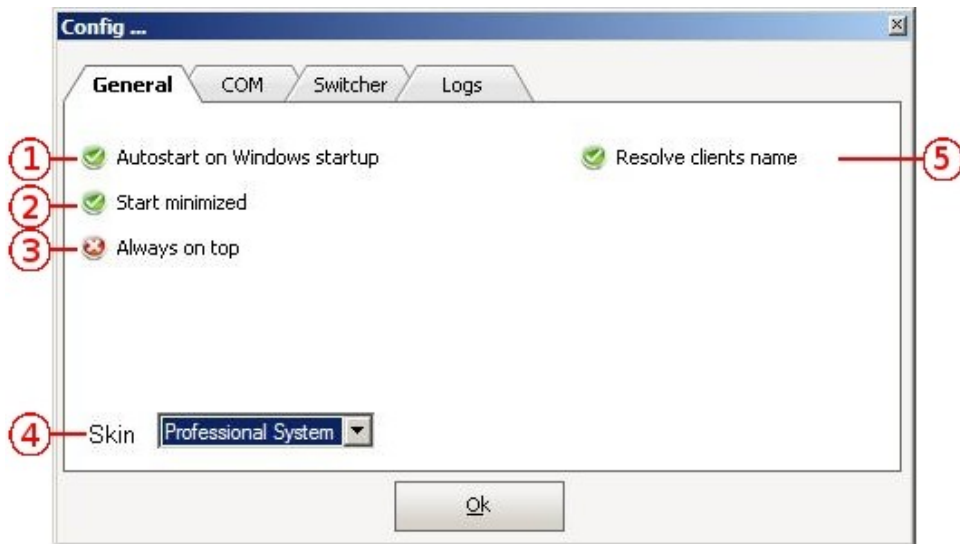
1	Folder list
2	File list in the selected folder
3	Subclips in the selected element
4	Preview of the selected subclip
5	Name of the selected subclip
6	Mark In of the selected subclip
7	Mark Out of the selected subclip
8	Duration of the selected subclip
9	Gender of the selected subclip

7. X-ROUTER

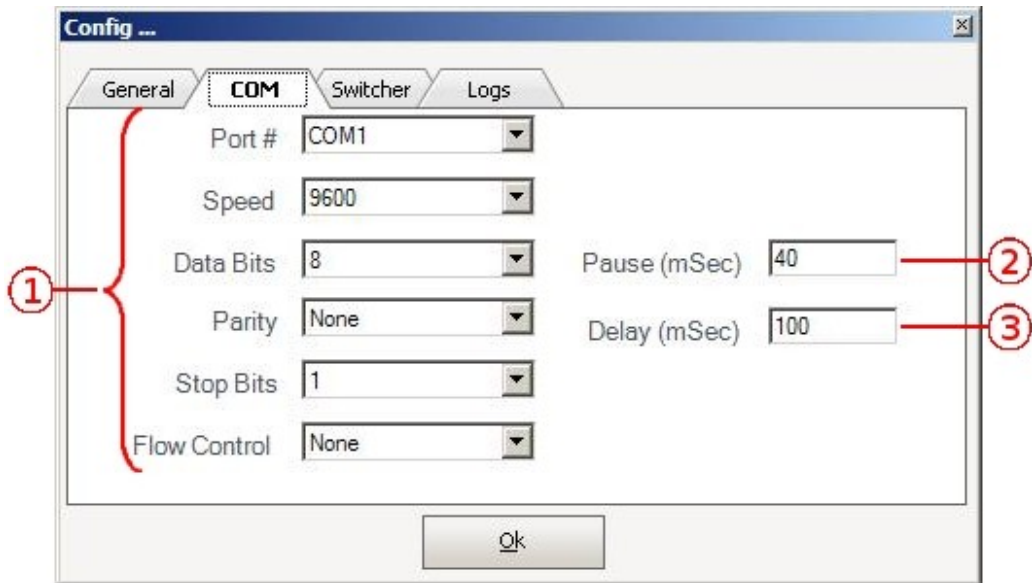
XRouter is a program useful for controlling the matrix connected to the Server.



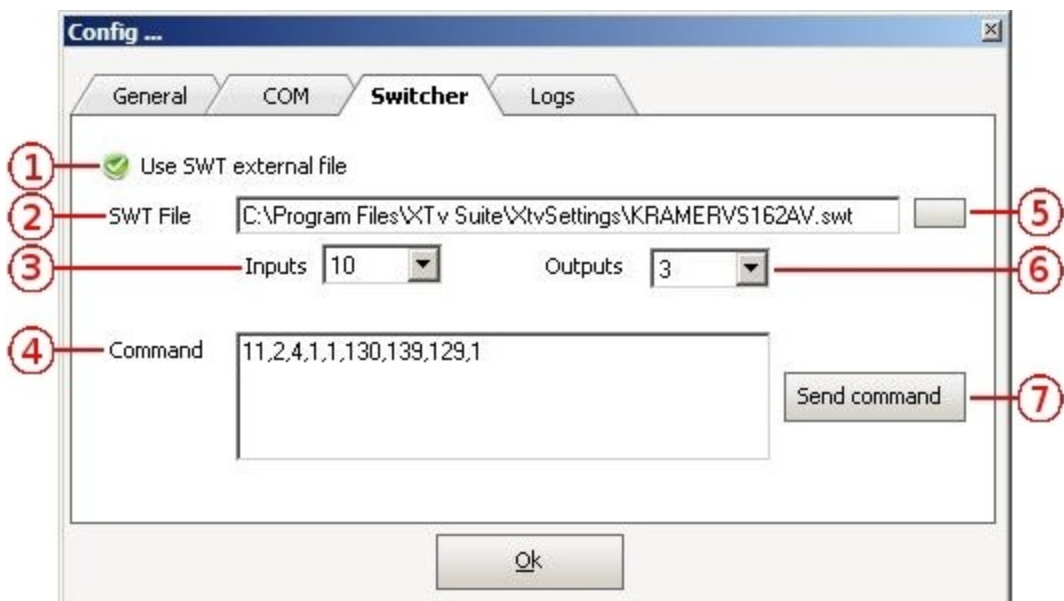
1	View the actual log
2	Open the configuration panel
3	Clear the log
4	Show the IP of the PC to be ignored



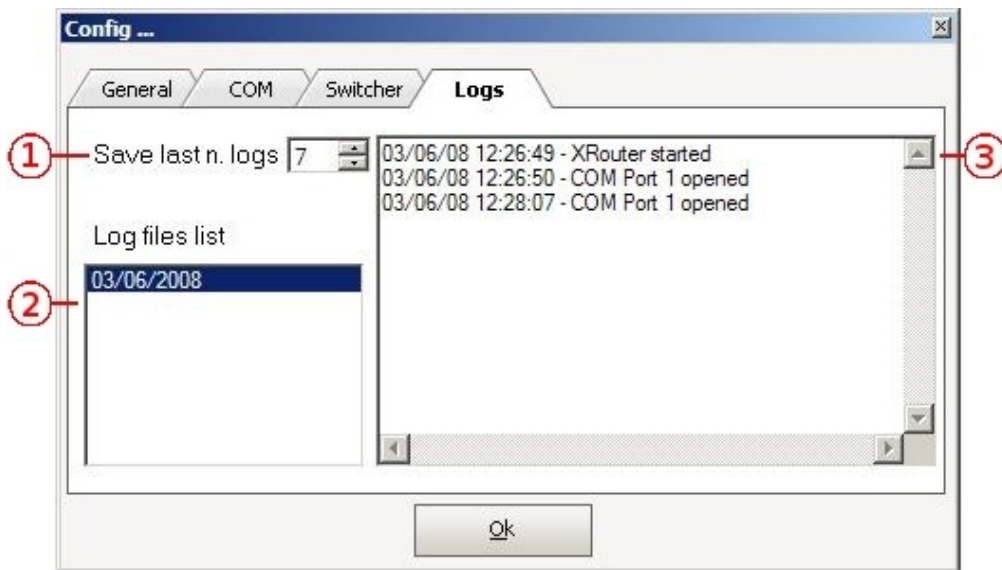
1	Enable / Disable the automatic start of XRouter with Windows
2	Enable / Disable the minimized start
3	Enable / Disable the view on top
4	Select the skin
5	Enable / Disable the DNS service



1	Set the Com Port settings
2	Set the Short Pause
3	Set the Long Pause



1	Syntax for known Routing Switcher (Only for Debug)
2	Show the path for the SWT file
3	Set the Input to Route
4	Insert the command to be sent to the Switcher
5	Open the browser for choosing the SWT file
6	Set the Output to Route
7	Send the selected command



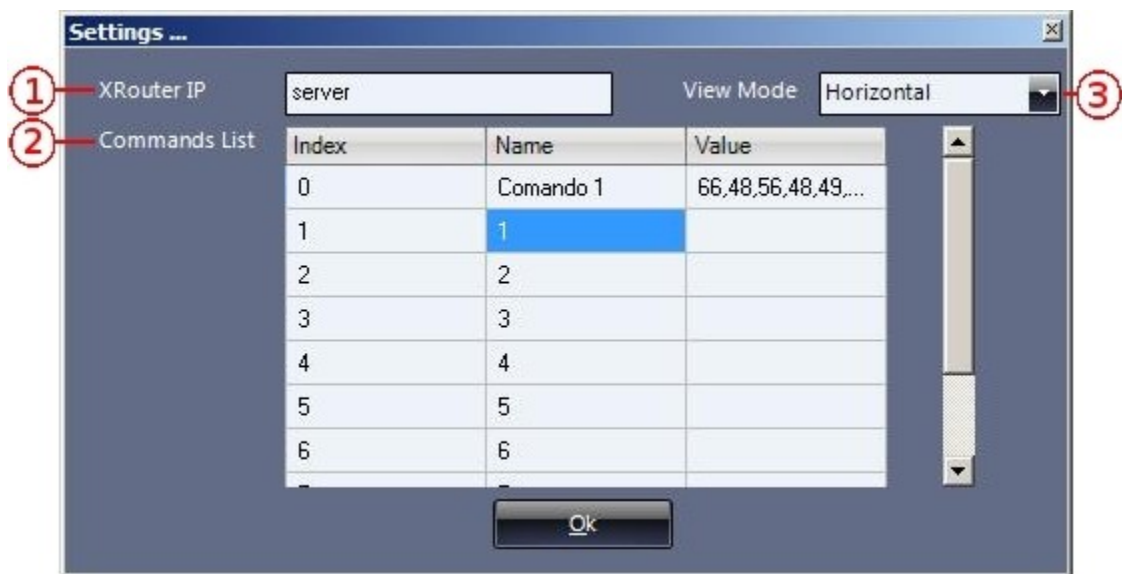
1	Set how many logs days to save
2	Show the log file list
3	Show the selected log

8. X-REMOTE

XRemote is a program used for controlling XRouter.



1	Set the command to be sent to XRouter
2	Open the configuration panel



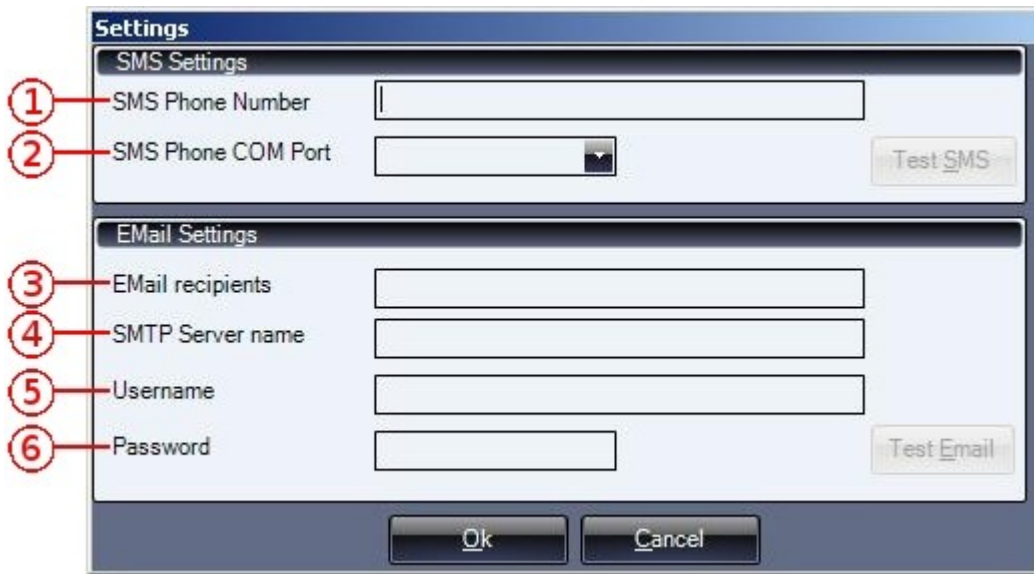
1	Set the XRemote IP address
2	Set the command list for the XRemote, the Value varies upon the matrix
3	Change the View mode for XRemote

9. X-EMERGENCY

It's the control for the XPlayout correct execution. If a Playout stop the OnAir, it automatically launches the Playout on the Emergency PC.



1	Channel status
2	Display the count down before launching the emergency for the selected Playout
3	Display the Emergency Folder
4	Display the VU Meters of the selected Playout
5	Display the audio level of the selected Playout
6	Launch Emergency for the selected Playout
7	Open the configuration panel for the selected Playout
8	Set XEmergency to manual or auto
9	Enable / Disable controls for all the Playouts
10	Open the Notify Settings



1	Set the phone number for the SMS notify
2	Set the Modem COM port
3	Set the E-mail address for E-Mail Notify
4	Set the SMTP name for Mail notify
5	Set the E-Mail username
6	Set the E-Mail Password



1	Channel status
2	Audio Device to check
3	Device Audio Pin
4	Emergency Folder
5	Channel Name
6	Min Audio Level
7	Max Audio Error Timeout
8	Restore Default Settings
9	Browse folders for the Emergency.