

Video software suite

Quick Guide

(Rev. 2.0)



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SUMMARY

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

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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 immediately 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

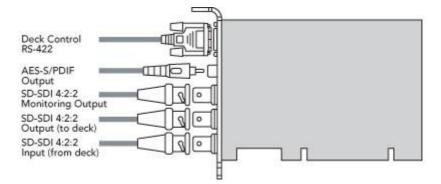
2. INSTALLATION

- Install Windows XP SP3
- Install possible drivers of the motherboard and/or other peripherals
 - o BIOS upgrading
 - Chipset drivers
 - Video card drivers
 - $\circ \quad \text{LAN drivers} \quad$
 - 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

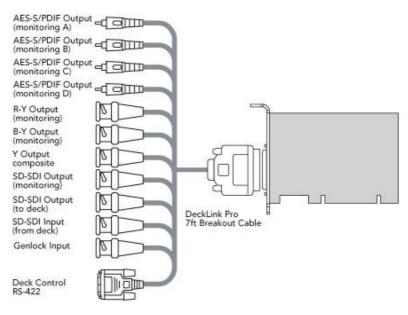
In case you don't have the XTV CD or the CD has problem, you can find the 5.7.3 in the following link: <u>http://www.blackmagic-design.com/support/software/archive/</u>

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: o Right click on desktop o Click on <u>Properties</u> o Select <u>Settings</u> table

- Select the secondary screen (be sure that, once you clicked into the "Display" box, the " ... on BlackMagic DeckLink" appears, then click on Advanced

splay Properties	?
Themes Desktop Screen Saver A	ppearance Settings
Drag the monitor icons to match the pl	nysical arrangement of your monitors.
Display:	2
2. (Default Monitor) on Blackmagic De	eckLink Display 🗾
Screen resolution Less More 720 by 576 pixels	Color quality Highest (32 bit)
 Use this device as the primary mor Extend my Windows desktop onto 	
<u>I</u> dentify	Iroubleshoot

 $\circ \quad \text{Click on } \underline{\text{Card}} \ \square \ \underline{\text{List All Modes}}$

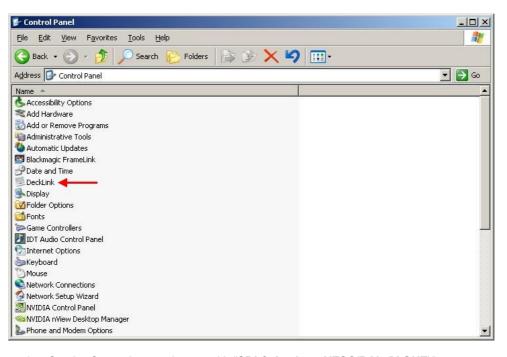
Blackmagic DeckLink Display	Properties	
Adapter Information		
DAC Type: Memory Size: 0 MB Adapter String: DeckLink Bios Information:		
Bios Information:		
List All Modes		

 \circ \quad From the list, select the video standard that you want to use

	List All Modes	?
rsc-	List of valid modes 720 by 486, True Color (32 bit), 29 Hertz (Interl	acad)
PAL	720 by 486, True Color (32 bit), 29 Hert2 (Intern 720 by 576, True Color (32 bit), 25 Hertz (Intern	aced) aced)

If you want to use BlackMagic's SDI output:

- Open the Control Panel 0
- Select DeckLink 0



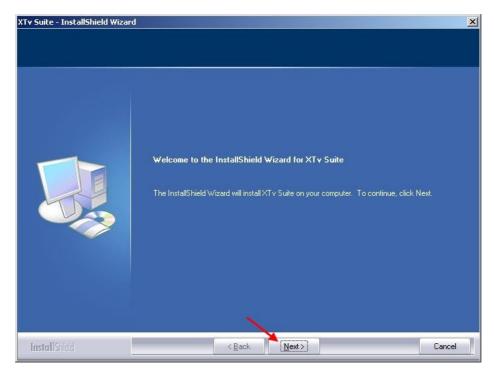
- Set the <u>Output</u> box on the top with "SDI & Analaog NTSC/PAL (Y OUT)" Set <u>Input</u> with "NTSC/PAL (Y IN) & Analog XLR Audio " 1.
- 2.
- 3. Set the Output box on the bottom with "Disabled"
- 4. Set the Video Desktop on the right with "Disabled After Restart"

Preference settings fo	r your Decklink Pro
ettings VANC and 3:2 Pulldown	
DeckLink Video and Audio Connections Output SDI & NTSC/PAL (Y Out) Enable Dual Link 4:4:4 Out Input NTSC/PAL (Y In) & Analog XLR Audio Genlock Timing HDTV Up/Down Converter Output Off Input Off Black Video Output to Deck in Capture Output Disabled Stable black video on DeckLink card's deck output is used to sync a deck.	Video Output Behavior Single Field Out When Paused Selects single field output when paused for flicker-free pause when editing with field-based video material. Playback is always full field. Enable Legacy QT Playout This setting allows bardware playback

1.1. XTV SUITE INSTALLATION

A wizard will guide you to the right software installation

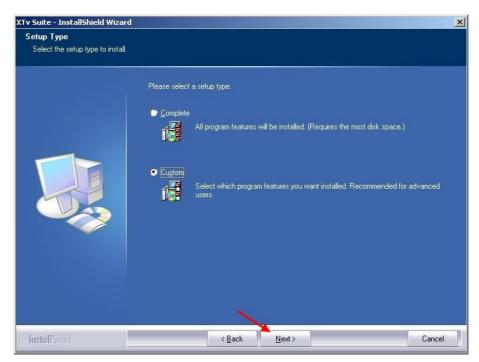
o Click on Next



• Insert User and Company name than click on Next

ustomer Information	
Please enter your information	
	Please enter your name and the name of the company for which you work.
	User Name:
_	
	Company Name: Workstation
	Workstation
	\mathbf{X}
InstallShield	<back next=""> Cancel</back>

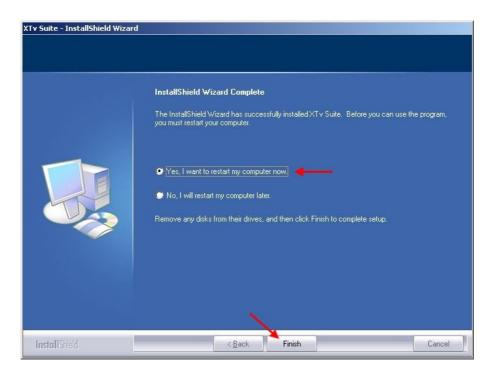
Click on <u>Next</u>



Click on <u>Next</u>

elect Features		
Select the features setup will in:	stall.	
	Select the features you want to install, and deselect the features you do not Quick Time Xtv Suite XRenergency XRouter XScheduler XTrimmer XRemote XRemote Docs & Help 182.11 MB of space required on the C drive	want to install.
	71081.45 MB of space available on the C drive	

o 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:

🎱 Windows Update					
🖬 Programs	•	Accessories	•		
👌 Documents	• 6	🖞 Blackmagic Design	•		
🦻 Settings) (👔 ffdshow	•	FFA	Audio decoder configuration
🔎 Search	• 6	🖞 Startup	•	12	Uninstall ffdshow
Help and Support	6	🗎 XTV Suite	•	FFE	VFW configuration
🗇 Run	8	🞐 Internet Explorer		FFu	Video decoder configuration
O Shut Down	4	Symantec pcAnywhere Windows Media Player			
Start	<u> </u>				

- Click on <u>Start</u> All programs Ffdshow Video Decoder Configuration On the left menu select <u>CODECS</u> 0
- 0
- In the right table find "MPEG1", "MPEG2" and "MPEG IN AVI" rows, than in the second column select "Disabled" 0

Codecs 📐 🔺	default	- I-	Process whole image Reset He	lp.
DirectShow control	-		Only right hair	
Info & CPU	Format	Decoder	Supported FOURCCs/remarks	1
🗌 OSD	DivX 4/5/6	libaycodec	DIVX, DX50, BLZ0, DXGM	T.
Font	Other MPEG4	libaycodec	MP4V, 3IVX, 3IV1, 3IV2, MP45, M45	
Tray, dialog & paths	DivX 3	libavcodec	DIV3, DIV4, DIV5, DIV6, AP41, COL1	
Keys & remote	FVFW,FFDS	libavcodec	ffdshow and ffvfw internal FOURCCs	
	MP43	libavcodec	MP43	
Profiles / Preset settings	MP42	libavcodec	MP42, DIV2	
Show / hide filters	MP41	libavcodec	MP41, MPG4, DIV1	
Crop	H.263 (+)	libavcodec	H263, L263, M263, U263, X263, S26	-
Deinterlacing	FLV1	libavcodec	Flash Video (FLV1)	
Logoaway	Theora	libtheora	Theora Video (THEO)	
	VP3	libavcodec	VP3 Video (VP31)	
Picture properties	VP5	libavcodec	VP5 Video (VP50)	
	VP6	libavcodec	VP6 Video (VP60, VP61, VP62)	
	VP6F	libaycodec	Elash Video (VP6E: ELV4: VP64)	
	MPEG1	disabled	MPEG1 codec	1
🗌 Offset & flip	MPEG2	disabled	MPEG2 codec	I
🔲 Blur & NR	MPEG in AVI	disabled	MPEG, MPG1, MPG2, 1001, 1002	L
Sharpen	Other MPEGZ	uisabieu	EMZV, MIMES	
🗌 Warpsharp	WMV1/7	disabled	Windows Media Video 7 (WMV1)	
DScaler filter	WMV2/8	disabled	Windows Media Video 8 (WMV2)	
	WMV3/9	disabled	Windows Media Video 9 Simple & Mai	1ñ
Resize & aspect	Luc i	diashlad	Windows Modia Video O. Advanced Dr.	1
Borders	🛛 🗖 use speedup	tricks		
Reset order]			
Donate	Furnauk	all settings	OK Cancel App	

- Select DirectShow control 0
- Set "<u>Multiple ffdshow instances</u>" to "no limitations"
 Disable the option "<u>Don't use ffdshow in</u>"

🌇 ffdshow video decode	r configuration			
Codecs	default	Process whole in	lage Reset	Help
DirectShow control	DirectShow control	Conly right half		
Info & CPU	Directshow control			
	Merit: ffdshow default			
Font				
Tray, dialog & paths	Multiple ffdshow instances:	no limitations 🔫		
Keys & remote				
Profiles / Preset settings	Don't use ffdshow in:	morrowind.exe;o	blivion.exe:	Edit
Show / hide filters		1 contraction of the		
	Use ffdshow only in:	3wPlayer.exe;AC	DSee10 everACL	Edit
	🗖 Show dialog when ar	n unknown applicatio	n tries to load ffds	how,
Picture properties				
DeBand				
🗌 Offset & flip				
Blur & NR				
Sharpen				
🗌 Warpsharp				
DScaler filter				
Noise				
Resize & aspect				
Borders 🗳				
Reset order				
Donate	Export all settings	ОК	Cancel	Apply

Click on <u>OK</u> 0

AUDIO settings:

0	Click on	Start D	All programs	Ffdshow	Audio	Decoder	Configuration

FFA ffdshow audio decode	configuration			_ 🗆 ×
Codecs	default	•	Reset	Help
DirectShow control	Mixer 🔶 📈			1
	Output speakers configuration: 2/0/	0 - stereo		LFE
Tray, dialog & paths	The second se	Normalize matrix		
Stream switcher	Sector 25 Sector Street Sector	eR BackL BackC	BackR LFE	
Profiles / Preset settings				- L
Show / hide filters Processing		-íí	i—i—	- c
Dolby decoder	│ 			- R
			<u> </u>	- SideL
🗌 Equalizer	<u> </u>		<u> </u>	
FIR filter				SideR
				BackL
Noise reduction				BackC
				BackR
	<u>`</u> ``;`;`;`;		í — í —	- LFE
		1. 1	1 1	
Delay				3
LFE Crossover	Voice control Voice:			100%
Swap channels	🔽 Expand stereo Surrou	nd:j		100%
🛛 Mixer 🔶 🚽	LFE:			100%
Reset order	Headphone distance:			
Donate	Export all settings	ок	Cancel	Apply

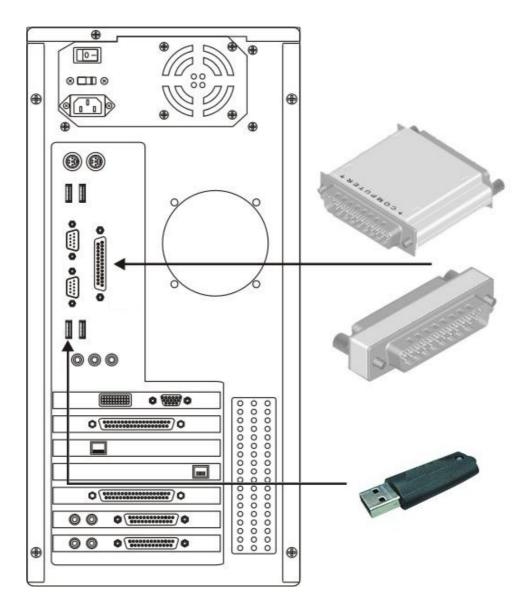
- On the left menu select <u>MIXER</u>
 Check the field "Active"
 Select as audio output mode " 2/0 Stereo"
- On the left menu select CODECS 0
- In the right table find <u>"MP3"</u> and <u>"MP1,MP2"</u> rows, than in the second column select <u>"Disabled"</u> 0

Codecs 📐	default		💌 Reset Help
DirectShow control			
Info & CPU	Format	Decoder	Details
🗌 OSD	MP3	disabled	MPEG-1 Audio Layer 3
Tray, dialog & paths	MP1,MP2	disabled	MPEG-1 Audio Layer 1,2
Stream switcher	ACS	IIDabz	ATOC A-52 stream decoder
Profiles / Preset settings	DTS	libdts	DTS Coherent Acoustics strea
Show / hide filters	AAC	libfaad2	Advanced Audio Coding (AAC)
2	Vorbis	Tremor	High accuracy mode is enable
Processing	AMR	libavcodec	Adaptive Multi-Rate in 3gp file
Dolby decoder	LPCM.	enabled	Linear Pulse Code Modulation
🗌 Volume	WMA 7	disabled	Windows Media Audio compati
Equalizer	WMA 8/9	disabled	not WMA9 pro, voice or lossless
FIR filter	MS ADPCM	disabled	MS Adaptive DPCM
	IMA ADPCM	disabled	IMA Adaptive DPCM
	Other ADPCM	disabled	Creative, Yamaha, G726
	Mulaw/Alaw	disabled	Mu-law & A-law
Winamp 2	MS GSM	disabled	MS GSM Audio
Freeverb	FLAC	disabled	FLAC (Free Lossless Audio Co
Crystality	True Audio	libavcodec	TTA (Lossless Audio Codec);T
	TrueSpeech	disabled	DSP Group TrueSpeech comp
Delay	QDM2	libavcodec	QDM2 compatible decoder (in
LFE Crossover	MACE3, MACE6	libavcodec	Macintosh Audio Compression
Swap channels	Real Audio	disabled	Real Audio 1.0 (14.4K) & Real
	That	diablad	TMC composible decoder
Mixer	2		
1.1.1001.11.	1		
Reset order			

- Select DirectShow control
- Set "<u>Multiple ffdshow instances</u>" to "**no limitations**"
 Disable the option "<u>Don't use ffdshow in</u>"

FFA ffdshow audio decode	r configuration		_ 🗆 🗵
Codecs	default	▼ Reset	Help
DirectShow control Info & CPU OSD Tray, dialog & paths	DirectShow control		
Stream switcher Profiles / Preset settings Show / hide filters	Multiple ffdshow instances:	no limitations	•
Processing	Don't use ffdshow in:	morrowind.exe;oblivion.exe;	Edit,,
Volume	Use ffdshow only in:	3wPlayer.exe;ACDSee10.exe;ACI	Edit
Equalizer FIR filter Convolver Noise reduction Winamp 2 Freeverb Crystality Resample Delay LFE Crossover Swap channels Mixer Reset order	F Show dialog when an	i unknown application tries to load ffdsh	ow,
Donate	Export all settings	OK Cancel	Apply

• Click on OK



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

• Reboot the PC

3. X-PLAYOUT

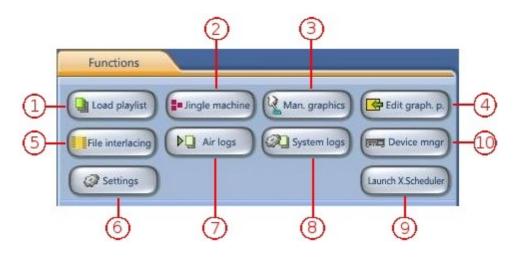
The first time you run the software, a Setup Wizard will start to configure the product (see the Cap.)

The main window is divided in three parts

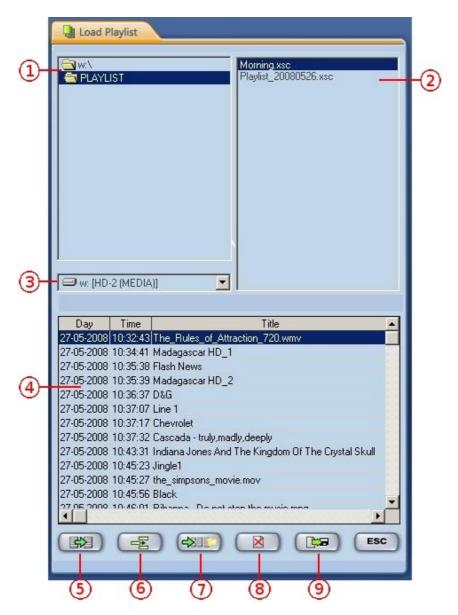


1	OnAir informations
2	Playlist informations
3	Menu

1.1. MENU DESCRIPTION



1.1.1. LOAD PLAYLIST

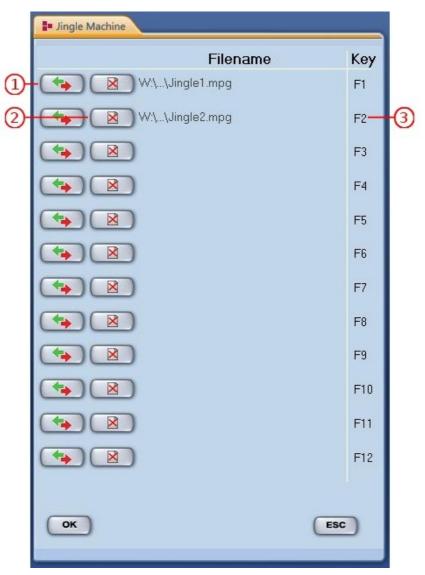


1	Folder list
2	XScheduler file list
3	Drives list
4	Clip list inside the selected file
5	Replace the loaded playlist with the selected one
6	Append the selected playlist to the current playlist
7	Insert all the files in the selected folder
8	Clear the current playlist
9	Save the playlist to a file

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

	C	\mathcal{D}	
	Manual Graphics		
1-	- GRAPHICS TAI	KE	
0	-Logo		
0-		ge (only instant items)	0
3-		🔊 Logo.bmp 000-000 —	-8
	None 🔽		
	None 💌		
	None 🗾		
0	Instant Items		
4			
(5)-		loop t	
6-	CRAWL	Loop #	-9
	Preview	Transparency	
		×	
		·	-10
		, <u> </u>	
		ESC	

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

Current File Extension MP File Type Top Fields Type No	oFieldFirst		
File Extension	File Type	Fields	
AVI	Default	Swap And Down	
AVI	DVSD	Swap And Down	
AVI	DX50	None	
AVI	MJPG	None	
AVI	MPG2	Swap And Down	
AVI	MMES	None	
BMP	Default	None	
Default	Default	Swap	
JPG	Default	None	
M2P	Default	Swap and Up	
MOV	Default	None	
MPG	Default	None	
TIF VOB	Default Default	None Swap And Down	
			ESC

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

- Each row is composed by three column
 I. <u>EXTENSION</u> : file extension
 II. <u>FILE TYPE</u> : it's a 4 char word, that show the codec code used for that kind of file
 III. <u>FIELDS TYPE</u> : it's the engine setting used by the software for that kind of file

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

	Edit	
1	Video File Extension	MPG
2	Video File Type (4CC)	Default
3	Fields Swap	None
		DK ESC
	-	

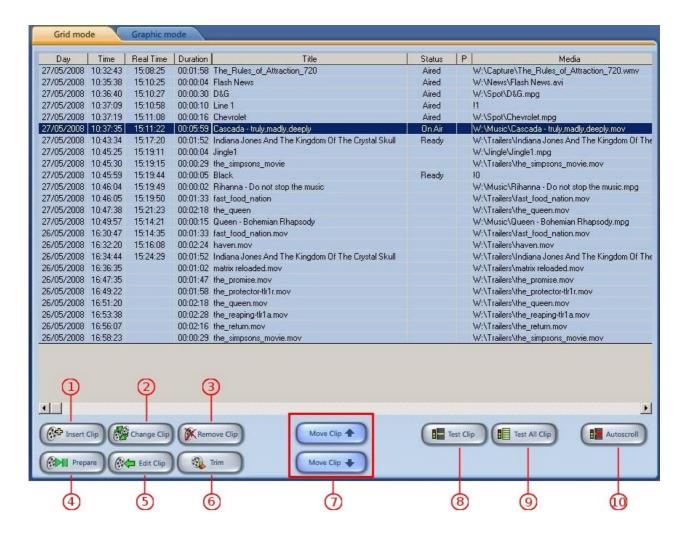
1	Change the extension
2	Modify the 4CC Video File Type
3	Change the Fields Swap mode

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.

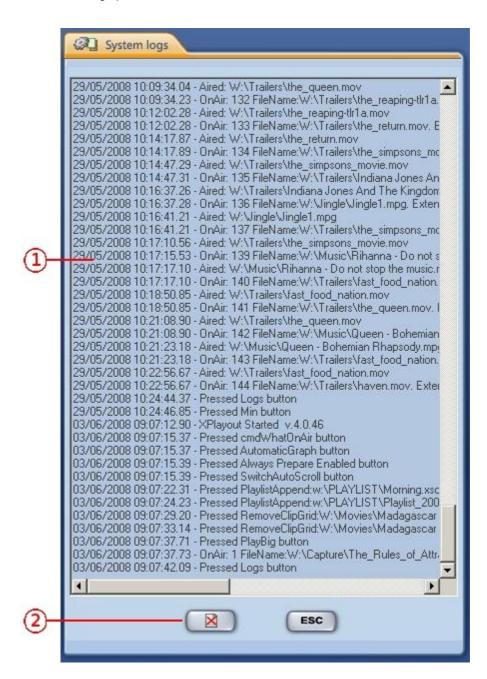
Default file name use the follow standard: yyyy_mm.csv The .csv file can be located in <u>C:\Program</u> Files\XTv Suite\XTVLogs

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

Effective Data	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 gueen	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 2008	05	News
27/05/2008	Madagascar HD_2	14-22-26 2008_		
27/05/2008	D&G	14:23:22 2008_ 2008		Advertisina
•		2008_		
		2008_ 2008_ 2008	10 11 12 •	

1.1.7. LOG FILE

XPlayout saves information during operations



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

	Device Manager			
1	Line 6 Line 7 Line 8 Line 9 Line 10 HDR 1		()	-4
2	Playout Info # On Air 0 # Prox 1 # Exact 0	# True prox 1 Status Exact Time		
3	Des Info File Extension mov File Type DEFAULT Fields Type First field Codec QuickTime Mux Count 15327 Stretch Mode Default			-5
	Device Used BlackMagic			
			ESC	

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

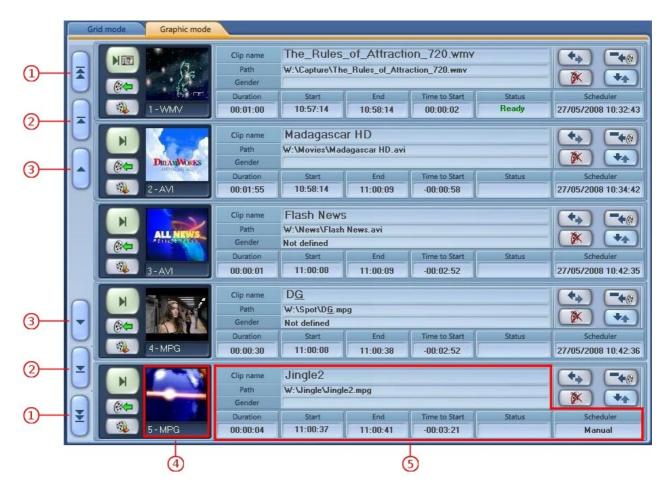
With the HDR 1 you can see some useful information about file type As you see in the picture below, you can find all the information you need to understand what kind of file is on air. Usually it's useful to see which is 4CC file code



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 plavlist	to the beginning or to the end	
2		page or to the previous one	
3		clip or to the previous one	
4	Reference Image	and file type of the clip	
	NAME	Clip name	
	<u>PATH</u>	Source path	
	<u>GENDER</u>	The clip Gender set in XTrimmer	
5	DURATION	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</u> <u>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

	Clip name	DG				
	Path	W:\Spot\D <u>G</u> .mp	og			
2-00	Gender	Advertising				
	Duration	Start	End	Time to Start	Status	Scheduler
3)	00:00:30	11:27:49	11:28:19	-00:01:37		27/05/2008 10:36:40

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

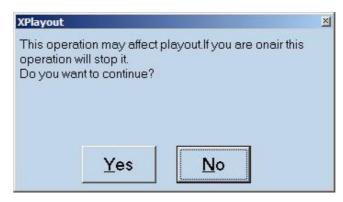
Browser		
HD-2 (MEDI. Capture Graphics Jingle Movies Movies News Dldies Playlist		-1
Name Madagascar HD.avi	Size 59 924KB	
		-2
Madagascar HD_1 Madagascar HD_2	_	-3
	Name Madagascar HD_1	
DREAMWORKS ANIMATION SKG	MarkIn 00:00:00.00 MarkOut 00:00:56.78 Duration 00:00:56.82 Gender Movie	-4

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.

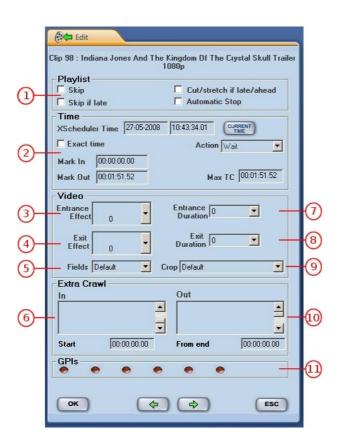
W:\DIVX\Avril Lavigne - girlfriend.avi	×
Media info General #0	Loaded filters
Complete name : W:\DIVX\Avril Lavigne - girlfriend.avi	
Format AVI	
Format/Info : Audio Video Interleave	
Format/Family : RIFF	
File size : 70.2 MiB	
PlayTime : 3mn 46s	
Bit rate : 2589 Kbps	
StreamSize 481 KiB	
Writing application : VirtualDubMod 1.5.10.2 (build 2540/release)	
Writing library : VirtualDubMod build 2540/release	
Video #0	File information
Codec : XviD	File Extension
Codec/Family : MPEG-4	
Codec/Info : XviD project	File Type
Codec settings/Packe : Yes	
Codec settings/BVOP : Yes	
Codec settings/QPel : No	Fields Type
Codec settings/GMC : 3	Tields Type
Codec settings/Matri : Default	
PlayTime : 3mn 46s	
Bit rate : 2429 Kbps	
Width : 640 pixels	
Height : 480 pixels	
Aspect ratio : 4/3	

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.

Loaded filters MPEG Layer-3 Decoder AVI Splitter 0003 LEAD Video RGB Converter ffdshow Video Decoder AVI Splitter	_
File information File Extension AVI File Type XVID	
Fields Type	
None	•
None	
Swap And Down	
Swap and Up	
Swap First Field	
Second Field	

1.2.2. CLIP PARAMETERS



	<u>SKIP</u>	The clip will be not played	
	SKIP IF LATE	If the delay is longer than the 80% of clip duration, the clip will be skipped	
1	CUT / STRETCH IF LATE / AHEAD	If there's a delay or a prerun, the clip can be cut or stretch (to the TC Max value)	
	AUTOMATIC STOP	At the end of the clip XPlayout will stop onairing	
	XSCHEDULER TIME	Permits to set the Date and Time of the OnAiring of the clip. This works only if Exact Time is Enable	
	EXACT TIME	Enable / Disable the option for OnAiring the clip at an exact time	
2	ACTION	Set which action to take when the Exact Time of the clip came	
2	MARK IN	Set the clip Mark In	
	MARK OUT	Set the clip Mark Out	
	MAX TC	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		

	🚱 🗢 Edit	
	Clip 98 : Indiana Jones And The Kingdom Of The Crystal Skull Trailer 1080p	
1	General Logo File/Page None Pos 000-000 Hide Default Show Clock Data 1	7
2	Data 2 Data 3	
3 (4)	Entrance Logo File/Page None Hide Default Pos 000-000 Start 00:00:00.00 Duration 00:00:00.00 Data 1	8
	Data 2 Data 3	
5 6	Exit Logo File/Page None Hide Default Pos 000-000 Start from 00:00:00.00 Data 1 Data 2 Data 3	9
	OK (\$ \$ ESC	

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

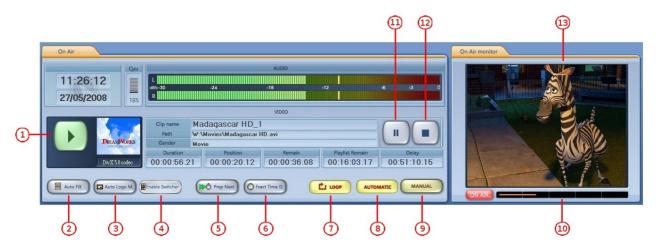
In every reference image on the list, there's a button which allow you to watch the file preview even if you are on air.

Trimmer	FROM THE	CREATORS IREK IND	OF
Duration	00:01:54.91	Position	00:00:08.00
Mark In	00:00:08.00	Mark Out	00:01:03.00
			-0
			>
ОК	(2	ESC

1	Marks
2	This buttons are for controlling the preview.

All the changes are not saved inside playlist file but only inside XPlayout. 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

XPlayout		
Settings applied ! If NO, only change applied immediatly Are you sure you w settings?	y	
Yes	No	Cancel

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.

XPlayout			×
		XPlayout overwriting all wish to continue?	
	Yes	No	
	Tes	<u>IN</u> O	

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

• Select video standard (PAL o NTSC)

XPlayout	×
Select video standard	
PAL	
PAL	
NTSC	

• Select if you want to install FFDSHOW codecs

XPlayout		×
XPlayout uses standard wind decoding and playing out A/ FFDShow is a collection of F codecs which allows to use s Do you want to install FFDSH	V files. REE audio a several type	and video of file formats.
Yes	N∘	

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

	Line	Cart	
	/ Graphics	Character Ge	nerator
A/V	Misc	Routing Switch	Vcr
	Preset	BlackMagic PAL	
	Width	720 Height 576	
	FPS	25	
Ou	tput Device	Blackmagic CARD 💌	
1	Color depth	RGB24	•
	Play Mode	AV SYNC	•
St	retch Mode		•
Fre	ames Buffer	30	
F	ields Swap	Automatic	•
Audio Channels		Stereo	•
	Audio Bits	16 bits	•
Audio	Frequency	48000	-
	dio Gain db	Sector Contraction of the Contra	
Audi	o Delay ms	0	
Re	eset playlist	Reset timeline	-
Audio preview None			
	Audio pin		-
Auc	dio Instance	1	-
Rout	ing Switch	Video Preview	
			TX
i.e	Setup	a o	1
	Wizard	Set <u>C</u> ance	el

<u>Preset</u>	Set default values for the selected devices.
Video Width	Set the video width
Video Height	Set the video height
<u>FPS</u>	Set the video frames
	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
Output Device	presents)
Output Device	BLACKMAGIC: Set the DeckLink BlackMagic as output device
	VGA: Set standard VGA video card as output device (es. Matrox G550)
	VGA VMR: Set standard VGA video card as output device (es. ATI)
Color Depth	Set the colour depth

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

	Line Cart Cart A / V Misc Routing Switch Vcr	
<u>)</u>	General TV Name Once TV	
	Monitor Select Monitor 1 (Default)	L
	Pause mode Split clip	L
2		L
2	- Clock _Date/Time Settings	L
		L
	Logo File C:\Program Files\XTv Suite\XTVTestFile\Log	L
	Logo Visible	L
٦	- Status and Emergency settings	L
	Emergency folder	L
		L
4)-	- Infinite loop play	L
	Folder	L
	Minimum time when check 0 🔲 🔲 Enable infinite loop at startup	(
	- GPI / Serial	ľ
	Enable GPI Type	(
5)-	- Enable Serial Input Comport	ľ

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

1.4.4. SWITCHERS

Line Text/Graphics A/V Misc	Cart Character Generator Routing Switch Vcr	
Switch type	Serial	-0
Com Number N		
Com Speed 9	600	
Data Bit 🛛 8	_	
Stop Bit 1		
Parity N	lone	
Flow Control N	lone	
Pause (mSec) 4	0	+0
Delay (mSec) 11	00	+@
Setup		

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

	Config Line Cart Text / Graphics Character Generator A / V Misc Routing Switch Vcr	
1- 2-	Type Standard TX	3
	VCR 2 Type Standard TX Com NONE TX Routing Switch	
	VCR 3 Type Standard TX Com NONE TX Routing Switch	
	VCR 4 Type Standard I Com NONE TX Routing Switch	
-	Setup V O Wizard Set <u>C</u> ancel	

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

V/V	Misc	Routing Switch Vcr
Text /	Graphics	Character Generator
1	_ine	Cart
	Select line	e Line O (black) 🗾
– Line O (bl	ack)———	
Name	Black	TX
Routing	Switch	
Trouting	SMICH	
2		
– Default	duration ——	
Line	00:00:05.00	Black 00:00:05.00
.,		
5	Setup	V 0
1.0		Set <u>C</u> ancel

1.4.7. CART MACHINES

1	Config A/V Misc Routing Switch Vcr	
	Text / Graphics Character Generator	
	Line Cart	
1	Type PROMATIC1 Vcr 0 Rows 4 Cols 4	-3
	Revision 2 SlotPort 624 Com NONE Standard Col Type	4
2-		
8	Setup Vizard Set Cancel	

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

Line	Cart
/V Misc	Routing Switch Vcr
Text / Graphics	Character Generator
Enable / Disable Settings Address Port	e CG

This panel is for setting up the connection with CG Playout. In the Address field it has to be inserted the IP or name of the PC with CG Playout installed, and in port the communication port with CG Playout (usually 101). In CG Playout 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 Playout theme is used instead.

1.4.9. TEXT / GRAPHICS

Line Cart A / V Misc Routing Switch Vcr Text / Graphics Character Generator Clock Preferences × 600 Y 50 Font Arial Size 35 Text Color Text Alpha 150 Back Color Back Alpha 0 Time HH:mm:ss I
Text / Graphics Character Generator Clock Preferences × 600 Y 50 Font Arial Image: Size 35 Text Color Size 35 Text Color Text Alpha 150 Back Color Back Alpha 0 Time HH:mm:ss Image: Size 50 Text Color Font Arial Image: Size 50 Text Color Font Arial Image: Size 50 Text Color Font Arial Image: Size 50 Text Color Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Clock Preferences × 600 Y 50 Font Arial Size 35 Text Color Text Alpha 0 Back Color Back Alpha Time HH:mm:ss Image: Color Format HH:mm:ss Image: Color Fornt Arial Image: Color Size 50 Y 490 Font Arial Image: Color Size 50 Text Color Back Alpha Size 50 Text Back Color Back Arial Image: Color Back Size 50 Text Arial Image: Color Back Alpha Image: Color Back Back Color Back
× 600 Y 50 Font Arial Image: Size 35 Text Color Text Alpha 150 Back Color Back Alpha 0 Image: Size 50 Text Alpha 255 Font Arial Image: Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0 Image: Size 50 Text Color
× 600 Y 50 Font Arial Image: Size 35 Text Color Text Alpha 150 Back Color Back Alpha 0 Image: Size 50 Text Alpha 255 Font Arial Image: Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0 Image: Size 50 Text Color
Font Arial Size 35 Text Color Text Alpha Back Color Back Alpha Time HH:mm:ss Format HH:mm:ss X 360 Y 490 Font Arial Size 50 Text Color Text Alpha 255 Back Color Back Color Back Alpha
Size 35 Text Color Text Alpha 150 Back Color Back Alpha 0 Time HH:mm:ss T Text Preferences X 360 Y 490 Font Arial Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Back Color Back Alpha 0 Time HH:mm:ss Text Preferences X 360 Y 490 Font Arial Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Time Format HH:mm:ss Text Preferences X 360 Y 490 Font Arial Image: Color Text Alpha 255 Back Color Back Alpha 0 0
Time Format HH:mm:ss Text Preferences X 360 Y 490 Font Arial Image: Color Text Alpha 255 Back Color Back Alpha 0 0
Format Preferences X 360 Y 490 Font Arial Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
X 360 Y 490 Font Arial Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Font Arial Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Size 50 Text Color Text Alpha 255 Back Color Back Alpha 0
Back Color Back Alpha
Crawl Preferences ————
Y 490 🔲 Arabic H. Speed 4
Font Arial
Size 50 Text Color Text Alpha 255
Back Color Back Alpha
Seturn 0
Setup √ <u>Q</u> Wizard Set <u>C</u> ancel

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.

XCapture	x
Welcome to XCapture. This capture DV codec is included with Windows.	utility uses software codecs to encode audio and video.

Select the video format you use

Select video stand	ard 🗵
Please, s	select video
standard y	ou want to use
O PAL	• NTSC
ОК	\checkmark

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**

Language	selection	×
×.	Select your language preference.	
	English	•
	ок са	ancel

• Click on Next



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

DivX for Windows Setup		
License Agreement Please review the license terms before insta	alling DivX for Windows.	
If you accept the terms of the agreem agreement to install DivX for Windows	ent, click the check box be s. Click Next to continue.	elow. You must accept the
DIVX, INC. ("Licensor") LICENSE		
THE FOLLOWING TERMS AND CONDI RIGHTS BEING LICENSED TO YOU (TH SOFTWARE. THESE RIGHTS ARE THE SOFTWARE, SO IF YOU DO NOT AGRE THIS EULA, DO NOT USE THE SOFTW.	HE "CUSTOMER") FOR ONLY RIGHTS YOU HA SE TO THE TERMS ANI	USE OF THIS AVE TO THE
TO THE MAXIMUM EXTENT PERMIT SOFTWARE IS PROVIDED "AS IS". THE EULA, AND LICENSOR DISCLAIMS AN MERCHANTABILITY OR FITNESS FOR WARRANTY OF NON-INFRINGEMENT	RE ARE NO WARRANT IY IMPLIED WARRANT PARTICULAR PURPO	TES UNDER THIS
I accept the terms in the License Agreement		
Copyright © DivX, Inc. 2008	< <u>B</u> ack	ext > Cancel

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

RDivX for Windows Setup	
Updates detected! A newer version of DivX is available from DivX.	
Setup has detected that the version most recent updates available.	n of DivX you are installing does not include the
New versions may include:	
 New features Enhancements for existing features Performance improvements Bug fixes Support for new hardware 	
Would you like to automatically downlo	oad the latest version instead?
C Yes, I'd prefer to download and install t	the latest version (Recommended)
No thanks, I'd like to install this older view.	zersion
Copyright © DivX, Inc. 2008	<back next=""> Cancel</back>

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

🔀 DivX for Windows Setup	
Choose Components Choose which features of DivX for Windows you want to instal	DIVX
Check the components you want to install and uncheck the com install. Click Next to continue.	ponents you don't want to
Select components to install: DivX Codec DivX Converter DivX Player DivX Web Player DivX Content Uploader	
Space required: 36.4MB	
Copyright © DivX, Inc. 2008	Next > Cancel

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

DivX for Windows Setup		×
Choose Components Choose which features of Div	K for Windows you want to install.	
Check the components you war install, Click Next to continue,	it to install and uncheck the components yo	ou don't want to
Select components to install:	DivX Codec DivX Codec 6.8.0 Codec DivX EKG Generic MPEG-4 Playback DivX YV12 Pass-Through DivX Media Playback Support	
Space required: 36.4MB	Check for updates	
Copyright © DivX, Inc. 2001	3 < <u>B</u> ack Next	Cancel

Click on Next

ZDivX for Windows Setup	
Choose Install Location Choose the folder in which to install DivX for Windows.	
Setup will install DivX for Windows in the following fol Browse and select another folder. Click Next to contin	
C Destination Folder	
C:\Program Files\DivX	Browse
Space required: 36.4MB	
Space available: 68.8GB	
Copyright © DivX, Inc. 2008	
Copyright © DIVX, Inc. 2008	<u>N</u> ext> Cancel

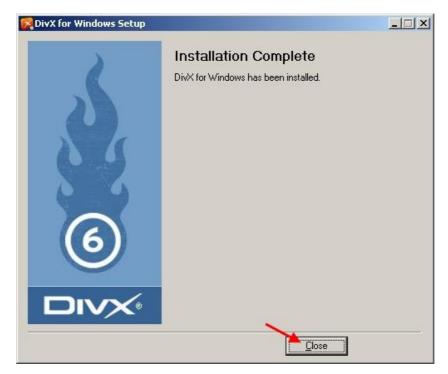
• Select Do not install the Yahoo! Toolbar and click on Next

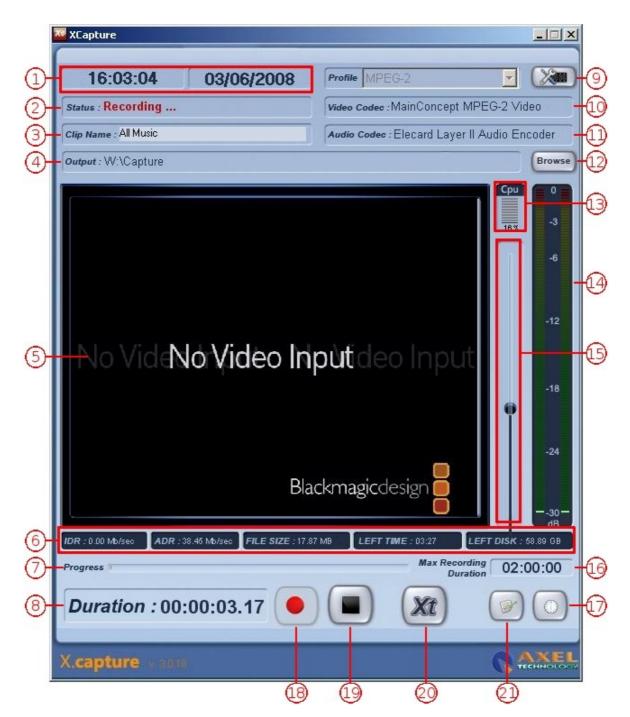


• Click on Next

DivX for Windows Setup		
Sign up for the DivX newsletter! Keep up with the latest news.		
	wsletter	
Sign up for the free DivX newsletter to rec services from DivX. The DivX newsletter i new releases.		
Enter your email address to subscribe	in the second	ptional)
🗖 Also send me DivX partner annot	uncements	
Privacy notice: DivX will not share your er unsubscribe at any time. Partner announc email address is never disclosed		
eniali address is never disclosed.	~	

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





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

Config		×
Profiles Manager		
Blackmagic DV PAL Blackmagic DV NTSC DV Direct		Add profile
MPEG-2 DIVX & MP3	_	Remove profile
		<u>R</u> ename profile
Input video device	Decklink Video Capture	
Video standard	NTSC	•
Fields order	None	
Video preprocess	[None]	•
Video codec	DivX® 6.8 Codec (4 Logical CPU	ls) 🔽
Audio codec	LAME Audio Encoder	•
Mux	AVI Mux	
File writer	File writer	•
File extension (without dot)	avi 🛛 🛶	Filter parameters
Video preview		
<u></u>	<u>O</u> k	

• 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

Enjoj	y high-definition DivX video. DivX Certified HD DVD players now in stores
Main	Codec Video Try DivX Pro
r- Ce	rtification Profile
- - [Inconstrained
(The parameters you have selected fall outside of official DixX® Certified hardware profiles, which means the video you are encoding will not be playable in DixX® Certified consumer electronics devices.
	coding presets Use presets to configure the encoder 3
	SPEED QUALITY
4	<u>) </u>
-Ra	ate control
B	late control mode: Bitrate:
lr	•pass ▼ 8000 kbps • this mode bitrate is the most significant quality factor. igher bitrates lead to better quality but larger files.

•

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

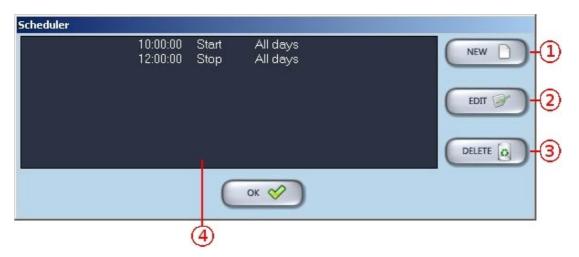
USE D	A promes and watch video on your 1 vidsing DVA Centined devices
Main	Codec Video Try DivX Pro
- Code	c Performance
Enc	oding mode: SPEED
🕨 Ba	anced (Default) COMPRESSION
yieli	ood balance between compression and encode rate, this mode will I good quality video. erimental SSE4 full search: Disabled
yieli Exp	I good quality video. erimental SSE4 full search: Disabled
yiel Exp Fram	I good quality video. erimental SSE4 full search: Disabled Enhanced multithreading Control
yieli Exp ► I ► Fram ► Bidi	I good quality video. erimental SSE4 full search: Disabled Enhanced multithreading e Control ectional coding:
yieli Exp ► I ► Fram ► Bidi	I good quality video. erimental SSE4 full search: Disabled Enhanced multithreading Control
yiel Exp Fram Bidi Ma:	I good quality video. erimental SSE4 full search: Disabled Enhanced multithreading e Control ectional coding:
yiel Exp Fram Bidi Ma: Key	I good quality video. erimental SSE4 full search: Disabled Enhanced multithreading ectional coding: Dff ectional coding: Dff Keyframe interval: 300 frames

•

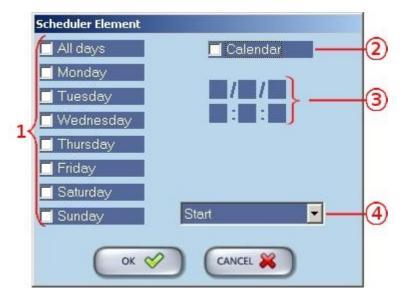
- Open the Video tab
 Set NTSC 4:3 as Format In and Format Out
 Set Preserve Interlace in the Interlace combobox
 Enable the Top Field First option

ivX® Codec Properties	6
	ଁ
Experience the future of DivX technolog	u todav - www.divxlabs.com
Main Codec Video Try DivX Pro	
Video Resolution	
Format in	Format out
NTSC 4:3	NTSC 4:3
PAR 10 : 11	PAR 10 : 11
C Custom resize: X	
C Resize to pixels wide with auto format conversion	Cropping
No resize or format conversion	
Besize filter	
Bilinear (very soft)	a ÷
Image Processing	() () () () () () () () () () () () () (
Noise Reduction Quantizatio	n Browse Matrices
Off H.263	
Interlace	Psychovisual Enhancements
Preserve Interlace	
→ Top field first	Enhance I-blocks
IT.	
Advanced Restore defaults	OK Cancel

1.3. RECORDING SCHEDULER



1. Add a schedule using the window below

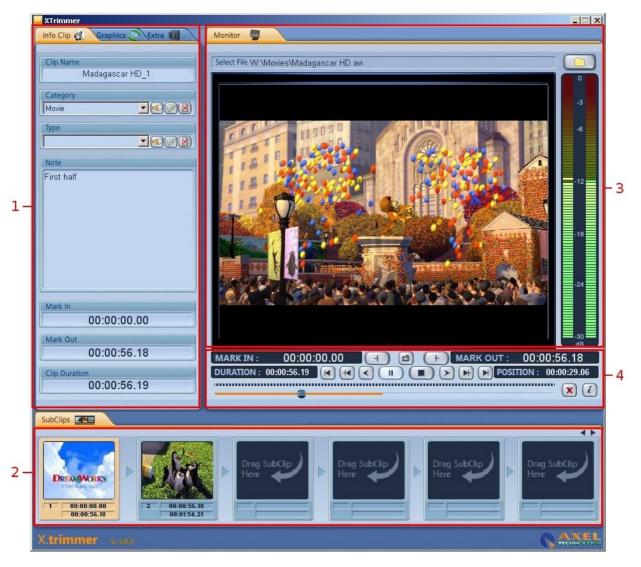


- 1.1 Select the day of the week.1.2 If you check this option, the schedule will start ONLY on the date you write
- 1.3 Set schedule exact date and time
- 1.4 Select schedule type (START or STOP)
- 2. Edit the selected schedule
- 3. Delete the selected schedule
- Schedule list 4.

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.

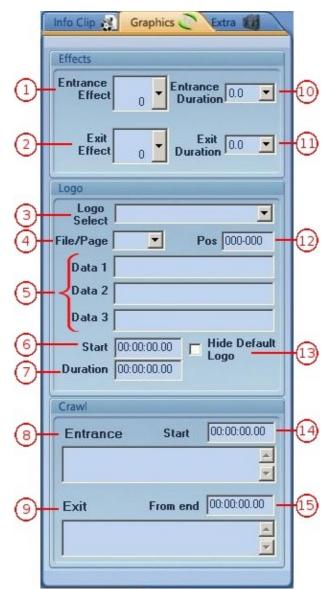
The clip metadata are divided in three: Clip Info, Graphic Data and Extra

1.2.1. CLIP INFO

	Info Clip 🚰 Graphics 🔊 Extra 📆	
1	Clip Name Madagascar HD_1	
2-	Category Movie	-8
3	Type	
4	Note First half	
5-	Mark In 00:00:00.00	
6	Mark Out 00:00:56.18	
7	Clip Duration 00:00:56.19	

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

	Info Clip 🐒 Graphics 🥑 Extra 📷 🔪
1	Parameters Skip Skip if late Automatic Stop Cut/Stretch if late/ahead
	Crop Default
0	Extra Info
C	Extra A Info 1
	Extra A Info 2
	Extra Info 2 Extra Info 3 Extra Info 4
	Extra Info 4
3	GPI

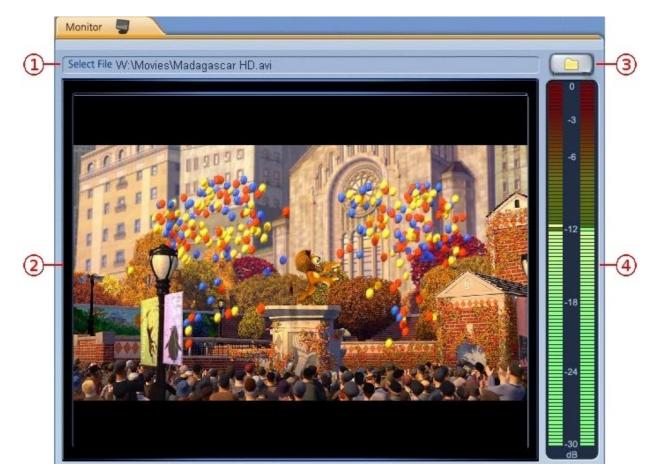
	Displays the parameter	ers for the selected clip / subclip					
	<u>SKIP</u>	Enable / Disable the possibility to skip the clip					
	<u>SKIP IF LATE</u>	Enable / Disable the possibility to skip the clip if the playlist is in late					
1	AUTOMATIC STOP	Enable / Disable the possibility to stop the clip					
	<u>CUT / STRETCH IF</u> LATE / AHEAD	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 info	ormations for the selected clip / subclip					
3	Sets the GPI contact f	for the selected clip / subclip					

1.3. SUBCLIP INFO



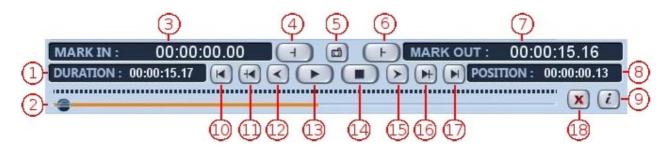
1	Show the subclip reference image
2	Show the subclip Mark In
3	Show the subclip Mark Out
4	Show the subclip number

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 vcrs, 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:

			Hon	e Action	Tools	of		📑 😵 📼 🗩	* - <	7				-			
N	lew		Open			. Cut	Copy Paste Delete Undo	Playlist Media file Bitmap Black Line	Vcr Hdr Em	pty							
				File	_		Clinboard	Insert		m,							
Pla				20080604_144			Playlist length 00:17:28	v			-		_		14:44:44	Browser	×
	#		C	age Start / End	and the second second	lip Duration	Title	Media Path	Total File Duration	Stop	Cut	Skip	Skip if late	Clock	Lock Time	Graphics	
•			•	04/06/20 14:44:26 14:46:2	4 0	0:01:58.44			00:01:58.00							🗁 Jingle	-
	2		• 5	14:46:24 14:46:3		0:00:14.76	Queen - Bohemian Rhapso	W:\Music\Queen - Bohemian Rhapsody.mpg	00:00:15.00	0	0	Θ	θ	Θ	Θ	Music News	
	3		•	14:46:39 14:48:5		0:02:18.15	the_queen	W:\Trailers\the_queen.mov	00:02:18.00	0	Θ	Θ	Θ	Θ	0	Oldies Delaylist Spot	_
	4		•	14:48:57 14:50:3	0	0:01:33.11	fast_food_nation	W:\Trailers\fast_food_nation.mov	00:01:33.00	Θ	Θ	Θ	Θ	Θ	Θ	Trailers	-
	5		•	14:50:30 14:50:3		0:00:01.56	Rihanna - Do not stop the	W:\Music\Rihanna - Do not stop the music.m	00:00:02.00	0	0	Θ	Θ	Θ	Θ	View mode + Refresh A	dd all file:
	6		0	14:50:32 14:50:3	0 U	0:00:05.00	Black	10	00:00:05.00	Q	0	Ø	0	0	θ	Morning.xsc Playlist_20080526	
	7		•	14:50:37 14:51:0	6	0:00:29.03	the_simpsons_movie	W:\\Trailers\the_simpsons_movie.mov	00:00:29.00	0	0	Θ	Θ	0	0		
	8		•	14:51:06 14:51:1	0	0:00:04.50	Jingle1	W:VingleVingle1.mpg	00:00:04.00	0	Θ	Θ	Θ	Θ	Θ		
	9		•	14:51:10 14:53:0		0:01:51.52	Indiana Jones And The Kin	W:\Trailers\Indiana Jones And The Kingdom	00:01:52.00	Θ	0	Θ	Θ	Θ	Θ		
	10		•	14:53:02	1	0:05:58.91	Cascada - truly,madly,deeply	W:\Music\Cascada - truly,madly,deeply.mov	00:05:59.00	0	Θ	θ	Θ	Θ	Θ	Fortor	
	11		•	14:59:01	6 1	0:00:15.57	Chevrolet	W:\Spot\Chevrolet.mpg	00:00:17.00	0	0	0	Θ		Θ	SubClips The Rules of Attraction 720	
	12		•	14:59:16 14:59:2	S 10	0:00:10.00	Line 1	н	00:00:10.00	Q	0	0	Θ	Θ	Ð	Madagascar HD_1 Flash News Madagascar HD_2	
	13	1	•	14:59:26 14:59:5		0:00:29.64	D&G	W:\Spot\D&G.mpg	00:00:30.00	Θ	0	0	Θ	Θ	Θ	D&G Line 1	
	14		0	14:59:56	. U	0:00:58.13	Madagascar HD_2	W:\Movies\MadagascarHD.avi	00:01:55.00	Q	0	•	Ø		Ð	Clip info	
	15		•	15:00:54 15:00:6		0:00:03.60	Flash News	W:\News\Flash News.avi	00:00:04.00	Θ	θ	Θ	Θ	0	Θ	(2)	
	16		•	15:00:58	4	0:00:56.78	Madagascar HD_1	W:\Movies\MadagascarHD.avi	00:01:55.00	0	0	Θ	θ	Θ	Θ	i i uz	
		Ċ														Name The_Rules_o	f_Attr
																Mark In 00:00:00.00	
																Mark Out 00:01:58.44	
																Duration 00:01:58.44	

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

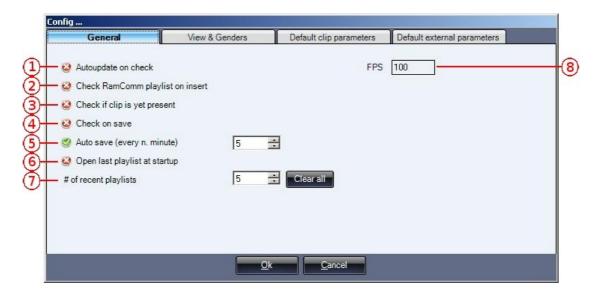
1.1.3. TOOLS BAR



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

Gen	eral	View & Ge	nders	Default clip paramete	ers De	etault external	parameters	
Skin	Vista Blue		Grid row colo	r (gender ref)	Rando	m Colors	Update gen	ders
Grid Style	Simple		Name			Backcolor	Forecolor	
Grid bar dur	ation length	0:15:00	Promo					
3 Show on	ly end time		Advertising			19		
Bold font	for end time colu	mn	Sport				4	
-			Documentary					
			External					
			News					
			Talk show					
			Sexy					-
			u v			14		

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

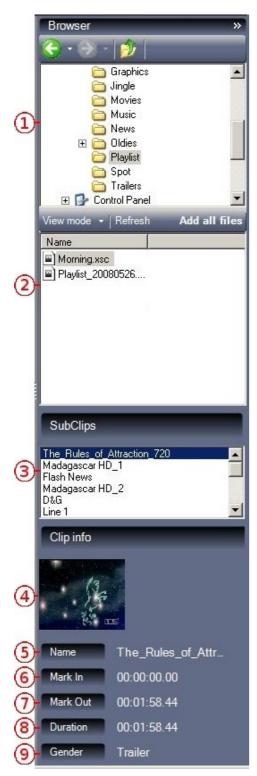
General	View & Genders	Default clip parameters	Default external parameters
Logo	Pos 000-000		
		Effect	n 🗾 🔤 —
	Pos 000-000		Duration 0
Mark i	in 00:00:00.00		
Durati	on 00:00:00.00	Effect	Dut 🗾 📶 —
Logo Out	Pos 000-000		Duration 0
Mark	in 00:00:00.00		
Durat	tion 00:00:00.00		

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

Config			-	
Gener	al	View & Genders	Default clip parameters	Default external parameters
Black event	00:00:05.00			
	00:00:05.00			
— HDR event	00:00:05.00			
- VCR event	00:00:05.00			
		<u>O</u> k	<u>C</u> ancel	

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.

	Command logs			Inoperative IP	
Date / Time	IP	PC Name	Command		
03/06/08 12:26:50 03/06/08 12:28:07 03/06/08 12:28:07			COM Port 1 opened Reloading COM settings COM Port 1 opened		
<u>C</u> onfig	lear Logs			Exit	

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

General COM Switcher Logs	
→ 🥩 Autostart on Windows startup → 🧐 Start minimized → 🥹 Always on top	Resolve clients name 5
Skin Professional System	

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

Port #	COM1	•			
Speed	9600	•			
Data Bits	8	•	Pause (mSec)	40	
Parity	None	•	Delay (mSec)	100	
Stop Bits	1	•			
Flow Control	None	•			

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

— 🥑 Use SW	T external file	
-SWT File	C:\Program Files\XTv Suite\XtvSettings\KRAMERVS	162AV.swt
	-Inputs 10 💌 Outputs 3	1
- 1		_
- Command	11,2,4,1,1,130,139,129,1	Send command

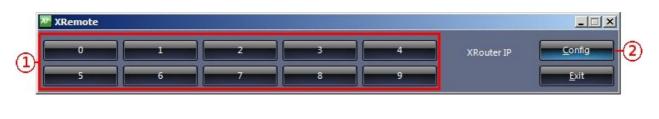
1	Syntax for known Routing Switcher (Only for Debug)
2	Show the path for the SWT file
3	Set the Input to Route
4	Insert the command to be sent to the Switcher
5	Open the browser for choosing the SWT file
6	Set the Output to Route
7	Send the selected command

1	Save last n. logs 7	103/06/08 12:26:50 - COM Port 1 opened	
	Log files list	03/06/08 12:28:07 - COM Port 1 opened	
2-	03/06/2008		
			V

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
	Settings

Commands List	Index	Name	Value	•
	0	Comando 1	66,48,56,48,49,	
	1	1		
	2	2		
	3	3		
	4	4		_
	5	5		
	6	6		
	2			-

1 Set the XRemote IP address		Set the XRemote IP address
2 Set the command list for the XRemote, the Value varies upon the matrix		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.

XEmergency 26/09/2008 14.41.23 Channel 1		×
1 Status 2 Time To Alarm W/Emergency F 	iolder: Run Settings dBu	e Emergency Folder. Run 6
Status file does not exist		
(4)	older: Run Settings dBu	e Emergency Folder: Run
C Status Time To Alarm dBu	older: Settings	e Emergency Folder: Run
C Status Time To Alarm dBu	older: Run Settings dBu	e Emergency Folder: Run
Auto		Enable All Disable All Notify Settings
(8)		9 0

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

	Settings SMS Settings		
1)	SMS Phone Number		Test <u>S</u> MS
)- 4)-	EMail Settings EMail recipients SMTP Server name		
)-)-	-Username Password		Test <u>E</u> mail
		<u>O</u> k <u>C</u> ancel	

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

Channe	el 1				
🔽 Acti	ve				
vice <mark>Decklir</mark>	nk Audio Capture	Audio	Level (dBu)	24	
Capture	•	Audio Error Tin	neout (sec.)	10	
y Folder <mark>W:\Em</mark>	ergency				
Resto	re Default		<u>)</u> k	<u>C</u> ancel	
	vice Decklin Capture cy Folder W:\Em		Vice Decklink Audio Capture Audio Capture Audio Error Tin cy Folder W:\Emergency	✓ Active ✓ Active ✓ Decklink Audio Capture ✓ Audio Level (dBu) ✓ Capture ✓ Audio Error Timeout (sec.) ✓ Y Folder W:\Emergency	vice Decklink Audio Capture Audio Level (dBu) -24 Capture Audio Error Timeout (sec.) 10 cy Folder W:\Emergency

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.