XTV

User Manual

Broadcast TV Automation Software Suite

(Rev 2.0)

AXEL TECHNOLOGY

CONTENT

1   INTRODUCTION

XTV Suite is a professional complete set of software tools for TV stations which manages from video capture, trimming, scheduling to playout.
Completely automatic and unattended efficiency 24/7.

XTV is perfect for TV stations, Satellite Channels, Cable TV, News Room, Web TV, CCTV, Corporate TV, Presentation, hotel pay tv channels, museums info channels and video wall display, which can take advantages of its user friendly interface.
At the same time, multi-channel tv stations and tv networks can enjoy **XTV**'s scalable structure and universal file compatibility.

XTV is designed to achieve a true 'universal format' compatibility and provides broadcasters a powerful tool which can virtually play all media format from any source or feed.
XTV ties together all production departments allowing direct playout of DV, HDV, MPEG-2, DVD, DIVX, MPEG-4, M-JPEG, MPEG-1, H.264, QuickTime, MXF, etc., in any resolution or framerate with automatic adaption.

2   INSTALLATION

- Minimum OS requirement: Windows 7 x64

- Install possible drivers of the motherboard and/or other peripherals
    o BIOS upgrading
    o Chipset drivers
    o Video card drivers
    o LAN drivers
    o RAID controller(if present)

- Reboot the PC

- We suggest you to install latest **DeckLink BlackMagic** drivers(Desktop Video) from the following link:
  https://www.blackmagicdesign.com/support/family/capture-and-playback

2.1   XTV SUITE INSTALLATION
- Put the hardware key on the USB port of your pc
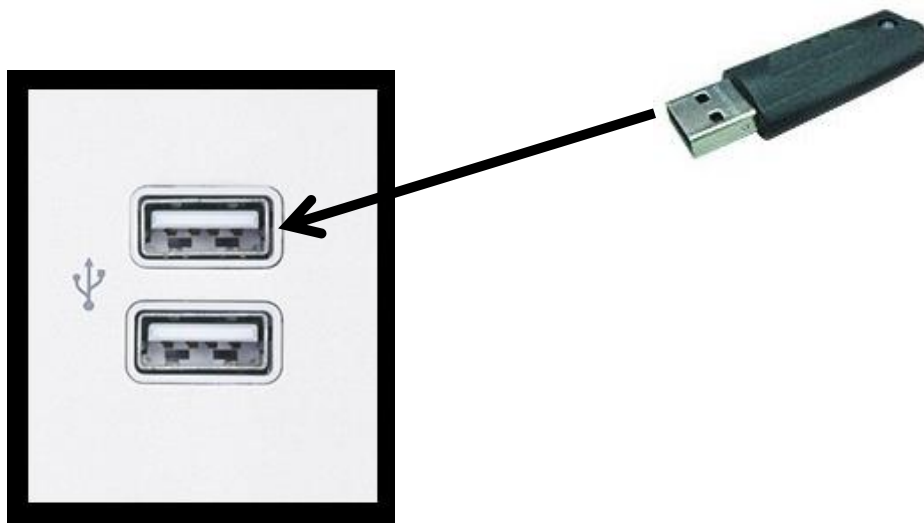
Launch XTvSetup.exe from the XTV CD.

A wizard will guide you to the right software installation

1. Wait while the InstallShield Wizard prepares the setup
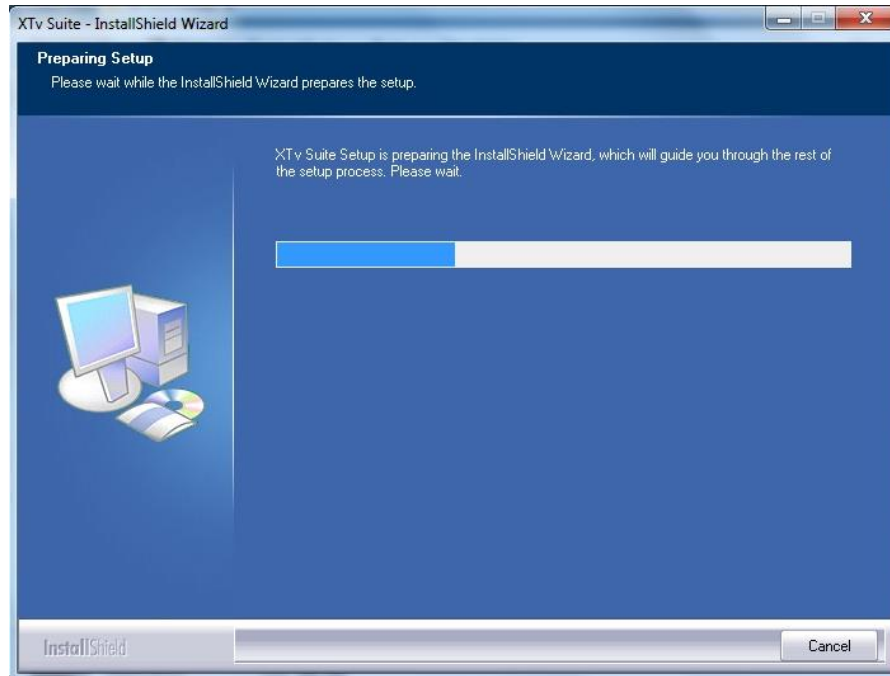
2. Click Next
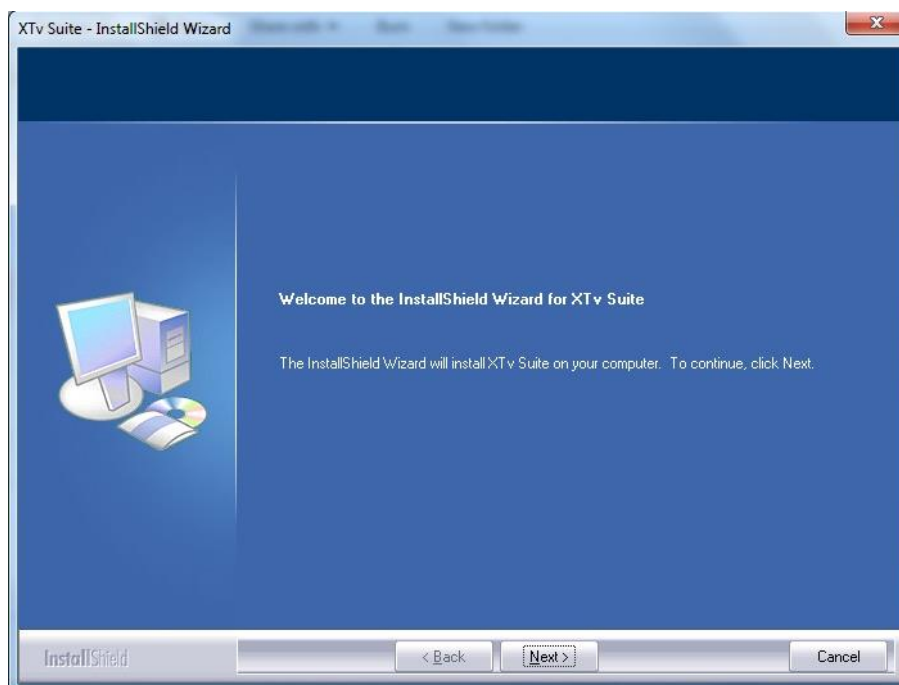
3. Click on "I accept the terms of the license agreement" and click on "Next".
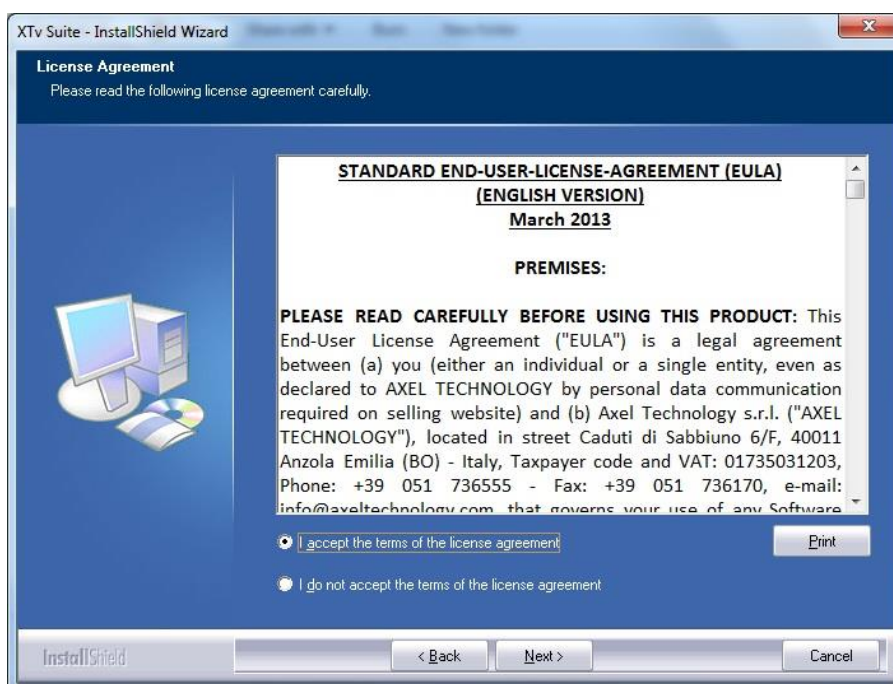
4. Click on "Yes" to agree to the list of EULA's provisions in Exhibit A

5.We suggest you to select che complete setup type and click on "Next"
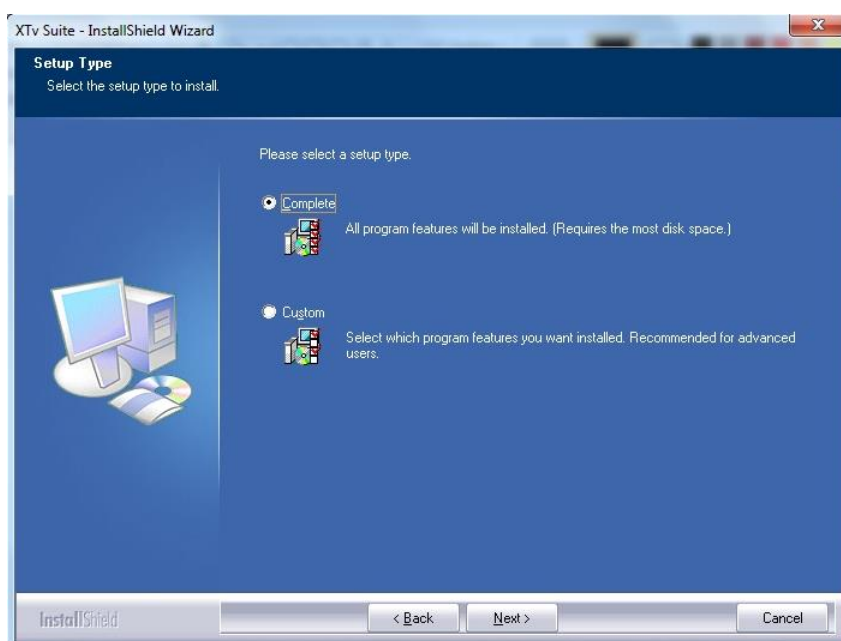
6. Click "Install" to begin the installation
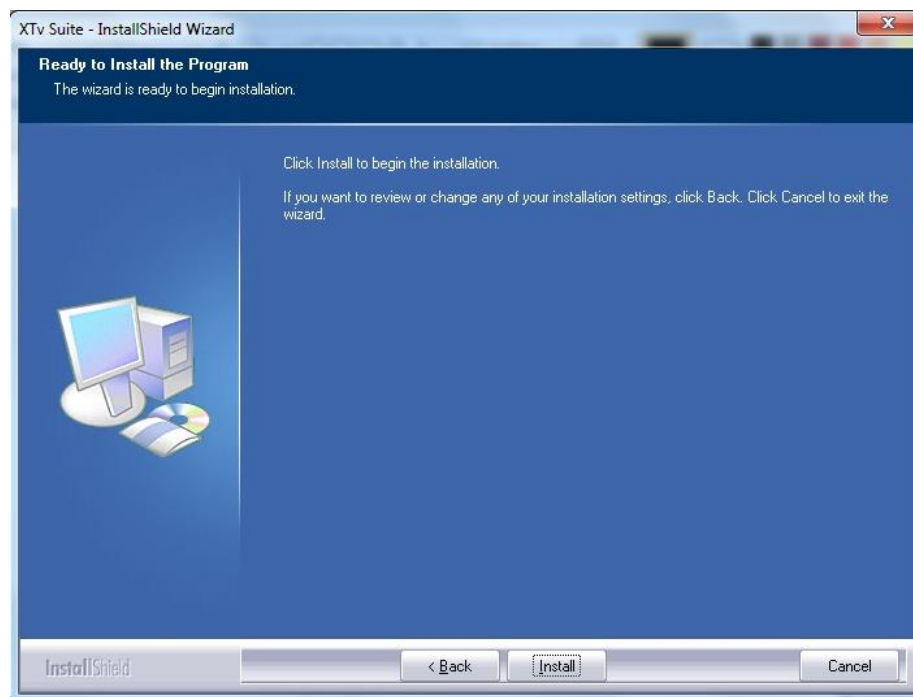
7. Wait the end of the installation
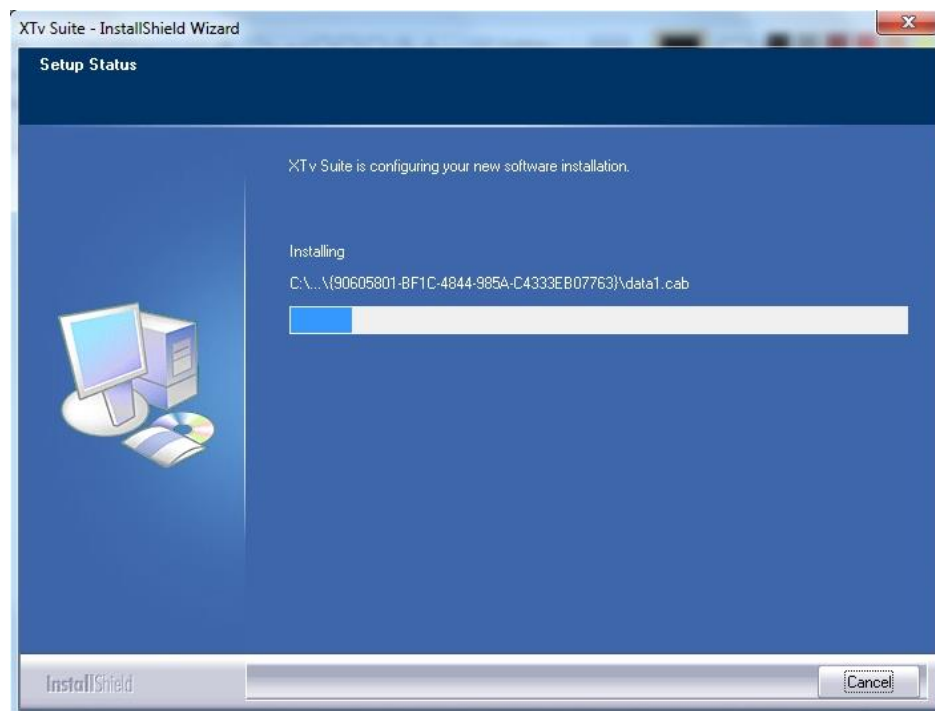
8. Click on "Finish"
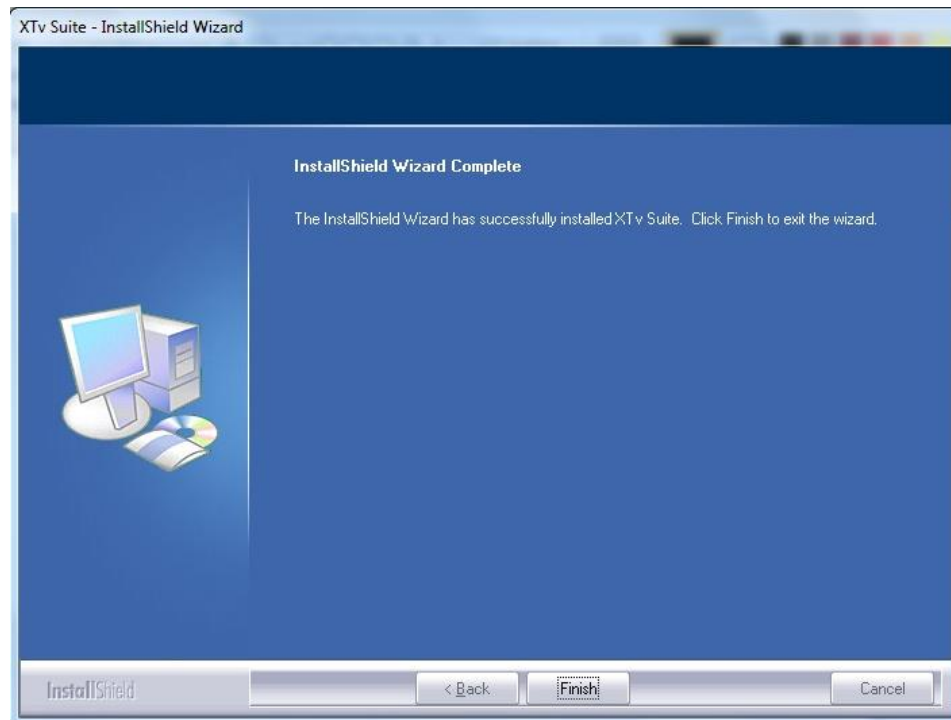
9. Click on "OK" to complete the Installation

2.2 XPLAYOUT FIRST OPENING

The first time you open XPlayout you have to choose the television standard.

Usually a wizard starts automatically to guide you in the choice.

At the first wizard question anwer "Yes"
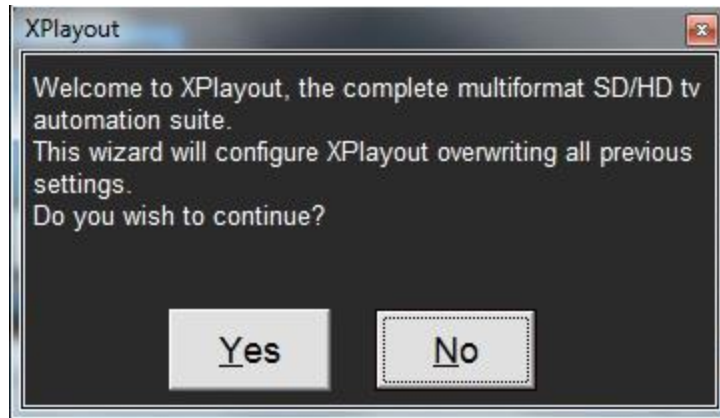
Select your video standard from the following 4 possibilities:

    PAL
    NTSC
    HD PAL
    HD NTSC
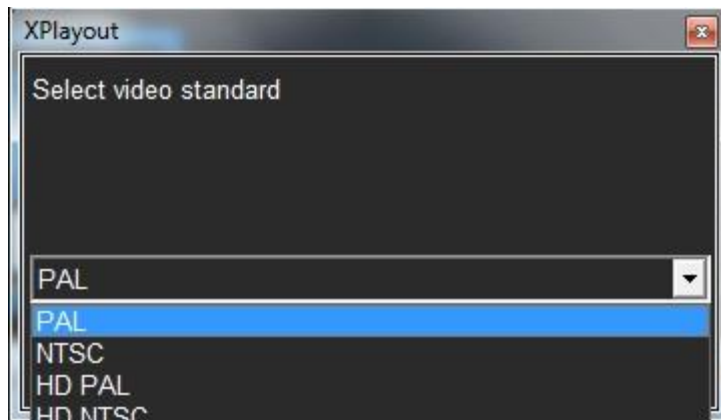
If the wizard does not start automatically

From the Functions section at the right part of the screen, select for System Settings button to open the config panel.
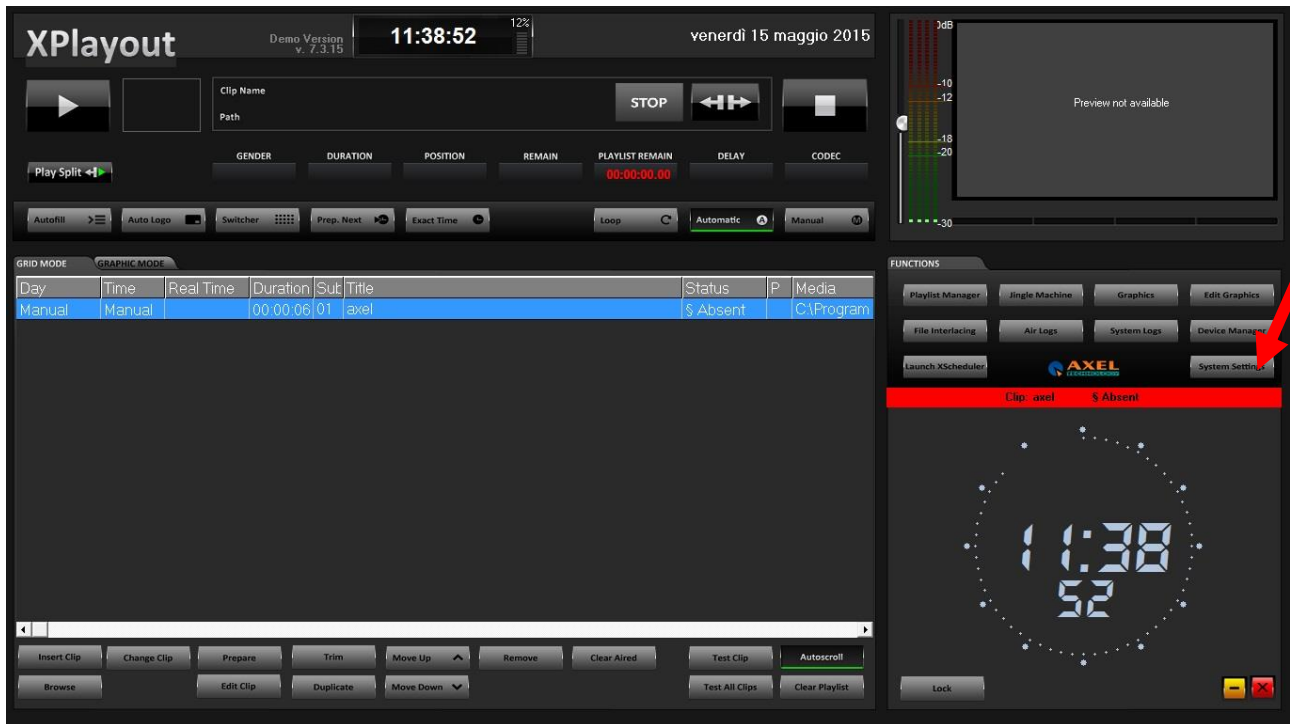
At the top bottom of this mask click on Setup Wizard

At the question "This wizard will configure XPlayout overwriting all previous settings. Do you wish to continue?" answer "Yes".
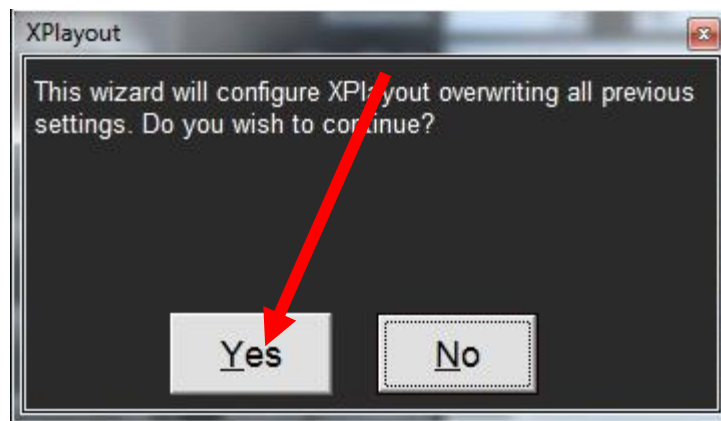
Select your video standard from the following 4 possibilities:

     PAL
     NTSC
     HD PAL
     HD NTSC
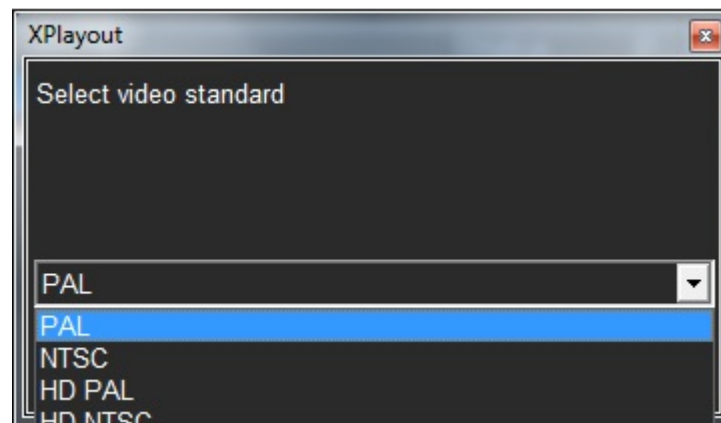
And click on OK
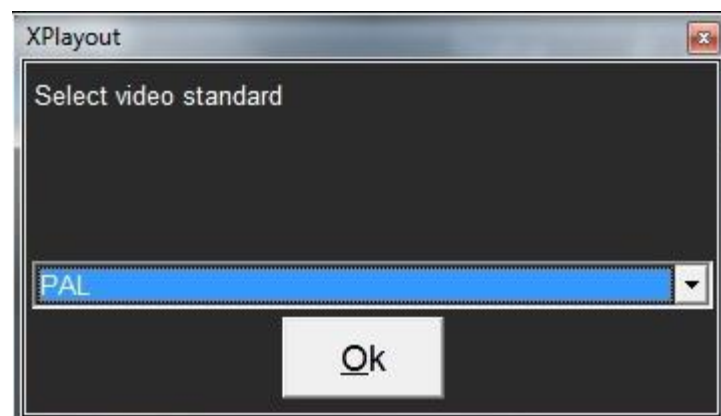
Wait for the XPlayout restart

AXEL
TECHNOLOGY

3   XPLAYOUT

The main window is divided in three parts
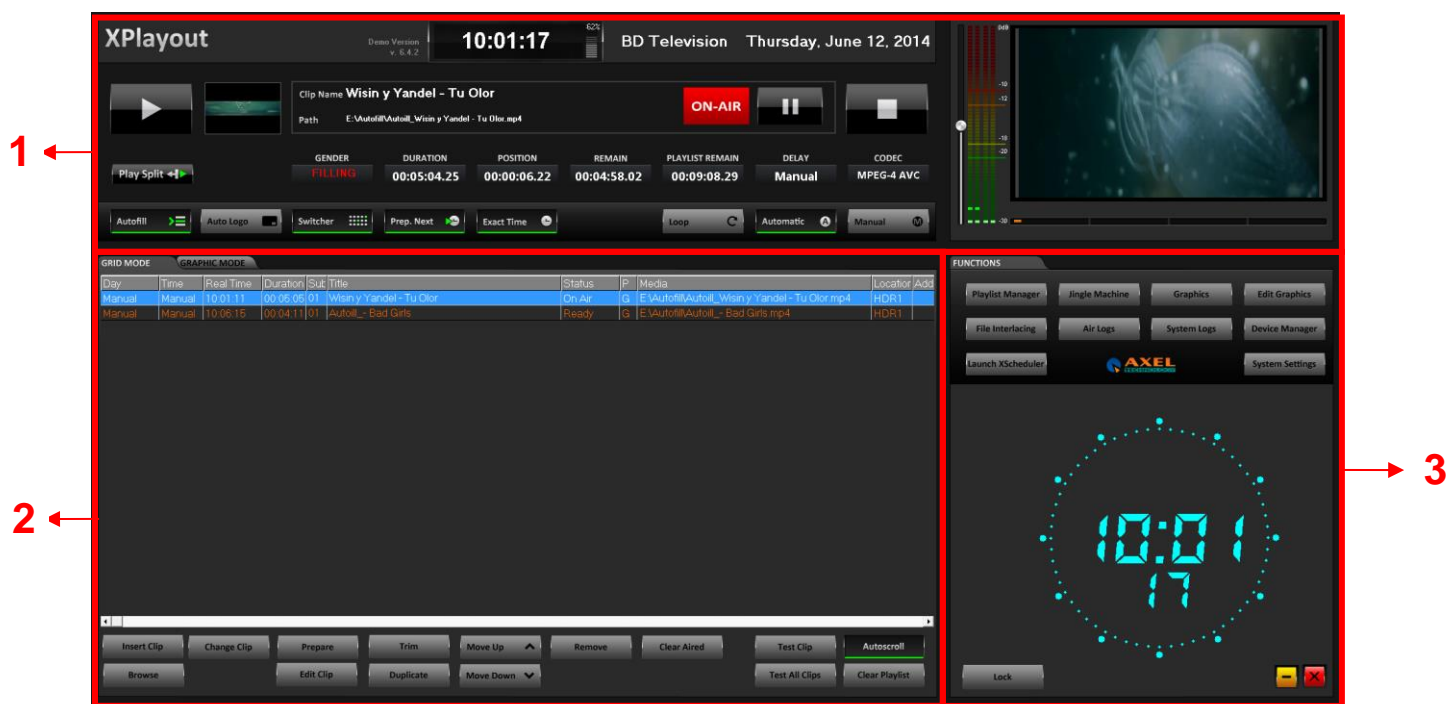
1	On Air Information
2	Playlist Information
3	Menu

3.1   ON AIR INFORMATION

<table>
<tr><td rowspan="4">1</td><td>TIME</td><td>Display the current time</td></tr>
<tr><td>CPU</td><td>Display the CPU usage</td></tr>
<tr><td>NAME OF THE TV</td><td>Display the name of the TV</td></tr>
<tr><td>DATE</td><td>Display the current Date</td></tr>
<tr><td rowspan="7">2</td><td>PLAY BUTTON</td><td>Start on air. If a clip is onair, the next one will be played</td></tr>
<tr><td>PICTURE PREVIEW</td><td>Display a picture preview of the clip is on air</td></tr>
<tr><td>CLIP NAME</td><td>Display the name of the clip</td></tr>
<tr><td>PATH</td><td>Display the exact location of the file</td></tr>
<tr><td>STATUS OF THE CLIP</td><td>Display the Real Status of the clip</td></tr>
<tr><td>PAUSE BUTTON</td><td>Pause on air. The software will automatically add on top of the playlist the remaining part of the onair clip.</td></tr>
<tr><td>STOP BUTTON</td><td>Stop the on air clip</td></tr>
</table>

	PLAY SPLIT	If it is pressed, it cuts the video on air and start playing the selected one, and when this finish, it goes back to the previously clip
	GENDER	Display the Gender of the clip
	DURATION	Display the total duration of the clip
3	**POSITION**	Display the position of the clip
	REMAIN	Display the remaining time of the clip
	PLAYLIST REMAIN	Display the remaining time of all the playlist
	DELAY	Displays the Delay or the "Ahead of time" accumulated on the playlist
	CODEC	Displays the Codec of the On Air clip
	AUTOFILL	Enable/Disable autofill option it's used to fill automatically the playlist if the user doesn't upload a previous list.(The AutoFill Folder need to have media files)
	AUTOLOGO	Enable / Disable the automatic logo management.
4	**SWITCHER**	Enable / Disable the switcher control. It is enabled by default.
	PREP NEXT	Enable/Disable Prep.Next option, it's used to prepare automatically the next clip on the playlist.
	EXACT TIME	Enable/Disable Exact Time option, it's used to broadcast a video in the exact time, if this one has been configured previously on XSchedule
	LOOP	Enable/Disable Loop Option, It's used to Loop all the clips of the playlist.
	AUTOMATIC	If pressed, the system plays all the playlist from the beginning to the end
4	**MANUAL**	If selected, it plays one clip at a time.
	MONITOR	Preview of the clip OnAir
5	**PROGRESS BAR**	Time cursor of the clip OnAir.
	VOLUME METER	Display the audio levels of the clip
	VOLUME CONTROL	Adjust the audio levels of the clip

3.2   *PLAYLIST INFORMATION*

The playlist information can be viewed in two ways, Grid Mode and Graphic Mode.

3.2.1 GRID MODE

1		Displays Useful Information about the clips in the playlist
	INSERT CLIP	Allow to insert a clip from the hard drive with a quick access panel to the right
	BROWSE	Appears a new window to select the desired clip from the hard drive
	CHANGE CLIP	Allows to change/substitute a selected clip from the playlist
	PREPARE	Allow to prepare manually the selected clip
	EDIT CLIP	Displays a new window to edit the clip
	TRIM	Displays a new window to trim the clip
	DUPLICATE	Allows to create a duplicate of the selected file
	MOVE UP	Move the clip to an upper position
2	**MOVE DOWN**	Move the clip to a down position
	REMOVE	Allows to remove the selected file
	CLEAR AIRED	If pressed, it clears all the clips that has been OnAir
	TEST CLIP	If pressed, it test a selected clip to see if there are no error on it
	TEST ALL CLIPS	If pressed, it test all clips of the playlist to see if there are no error on it
	AUTOSCROLL	If pressed, It will autoScroll the playist if this one it's too long
	CLEAR PLAYLIST	If pressed, it will clear all the clips of the playlist.

3.2.1.1 EDIT CLIP

This windows appears in the right side of the panel when the option it's activated.
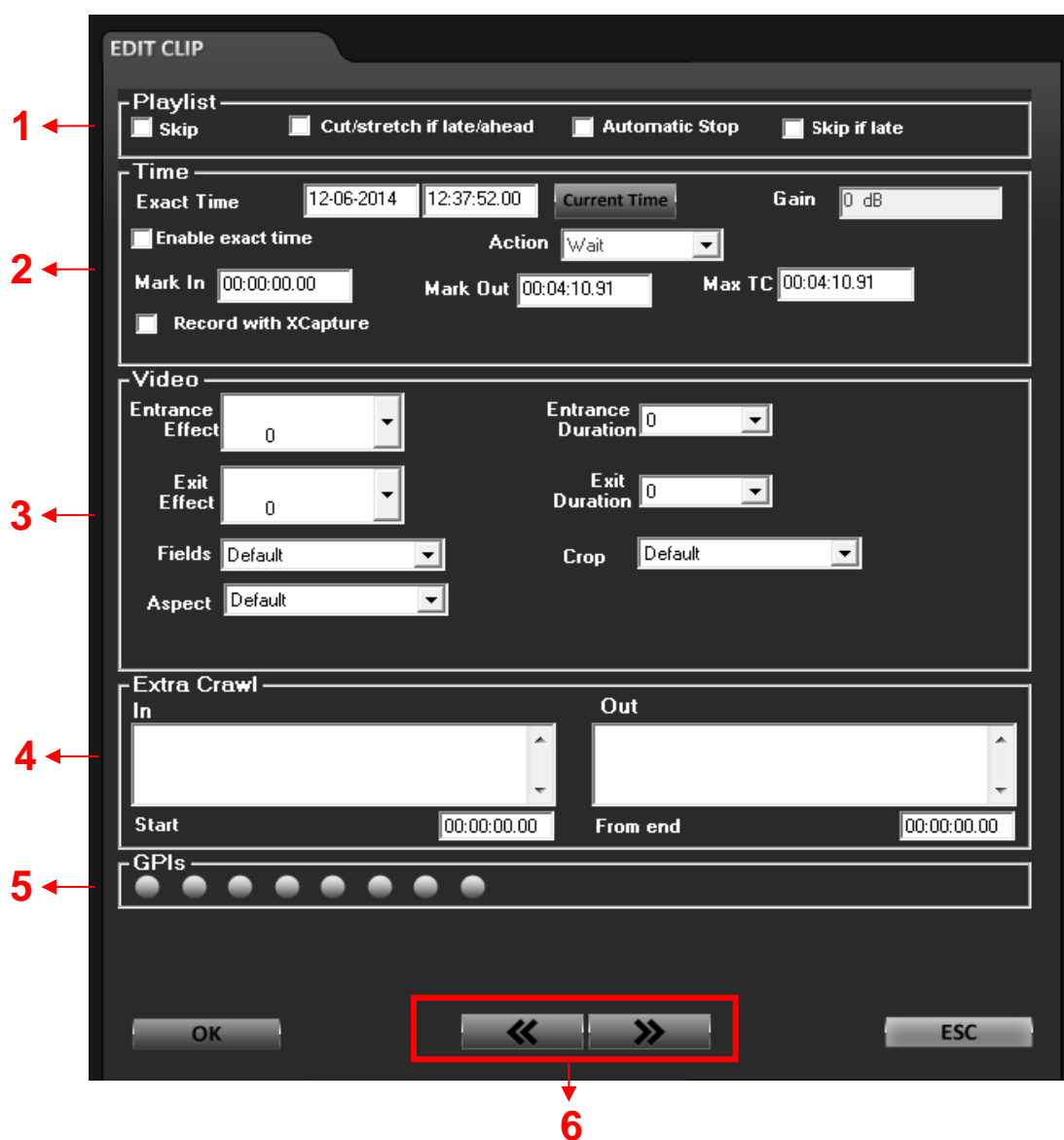
1	PLAYLIST : SKIP	Enable/Disable the skip option for the clip
	PLAYLIST: CUT/STRETCH IF LATE/AHEAD	Enable/Disable the cut/stretch if late/ahead for the clip
	PLAYLIST: AUTOMATIC STOP	Enable/Disable the automatic stop option for the clip
	PLAYLIST: SKIP IF LATE	Enable/Disable the skip if late option for the clip
2	TIME: EXACT TIME	Set the exact time and date for play the clip
	TIME: GAIN	Display the Gain for the clip
	TIME: ENABLE EXACT TIME	Enabl/DIsable option or Exact Time
	TIME: ACTION	Set the desired action for the clip
	TIME: MARKIN	Display the MarkIn of the Clip
	TIME: MARKOUT	Display the MarkOut of the Clip
	TIME: MAX TC	Display the Maximum duration of the clip
	TIME: RECORD WITH XCapture	Enable/Disable option to record with the XCapture
3	VIDEO: ENTRANCE EFFECT	Set the entrance effect for the clip
	VIDEO: EXIT EFFECT	Set the exit effect for the clip
	VIDEO: FIELDS	Set the fields for the clip
3	VIDEO: ASPECT	Set the Aspect for the clip
	VIDEO: ENTRANCE DURATION	Set the Entrance duration for the clip
	VIDEO: EXIT DURATION	Set the exit duration for the clip
	VIDEO: CROP	Set the crop for the clip
4	EXTRA CRAWL: IN	Set the text to the entrance of the crawl
	EXTRA CRAWL: START	Set the time for the start of the crawl
	EXTRA CRAWL: OUT	Set the text to the exit of the crawl
	EXTRA CRAWL: FROM END	Set the time for the end of the crawl
5	GPIs send external commands to GPI protocol	
6	Allows to navigate between the edit panels	

AXEL TECHNOLOGY

3.2.1.1.1 EDIT CLIP SECOND PAGE

	GENERAL LOGO: FILE/PAGE	Set the file or page of the general logo
	GENERAL LOGO: SHOW CLOCK	Enable/Disable the clock
	GENERAL LOGO: HIDE DEFAULT	Enable/Disable the option of hide the default logo
1	GENERAL LOGO: DATA1, 2 & 3	This fields are used for interacting with Theme Channel Ticker to update the live ticker
	GENERAL LOGO: POS	Set the position of the logo
	GENERAL LOGO: LOOP	Set the desired option for the loop
	ENTRANCE & EXIT LOGO: FILE/PAGE	Set the file or page of the entrance logo
	ENTRANCE & EXIT LOGO: START	Set the start time for the entrance logo
2	ENTRANCE & EXIT LOGO: HIDE DEFAULT	Enable/Disable the option of hide the entrance logo
	ENTRANCE & EXIT LOGO: POS	Set the position of the logo
	ENTRANCE & EXIT LOGO: DUR	Set the duration of the entrance logo
	ENTRANCE & EXIT LOGO: LOOP	Set the desired option for the loop
2	ENTRANCE & EXIT LOGO: DATA 1,2 & 3	This fields are used for interacting with Theme Channel Ticker to update the live ticker

3.2.1.2 TRIM CLIP

With this option the user can trim the selected clip in case of the need of a final edition, this last edition will not be saved in any external folder or file.
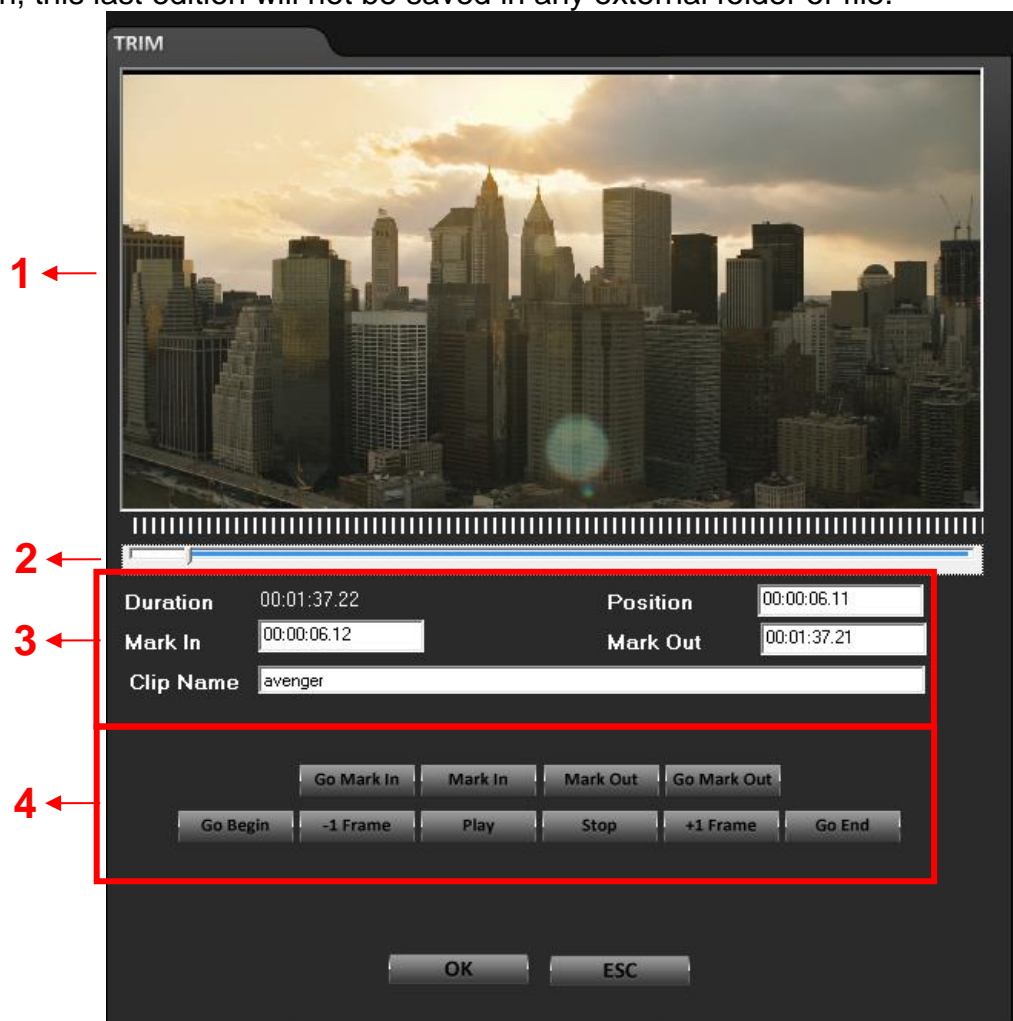
1	Display the preview of the clip	
2	Adjustable progress bar	
3	**DURATION**	Show the clip duration
	MARK IN	Show the clip Mark In
	POSITION	Show the clip position
	MARK OUT	Show the clip Mark Out
	CLIP NAME	Show the name of the clip
4	**GO MARK IN**	Point the cursor at the beginning of the selected marker on the subclip
	MARK IN	Point the cursor to the desired mark in
	MARK OUT	Point the cursor to the desired mark out
	GO MARK OUT	Point the cursor at the end of the selected marker on the subclip
	GO BEGIN	Point the cursor at the beginning of the file
	-1 FRAME	Point the cursor to the previous frame
	PLAY	Play the file
4	**STOP**	Stop the file
	+1 FRAME	Point the cursor to the next frame
	GO END	Point the cursor at the end of the file

3.2.2 GRAPHIC MODE
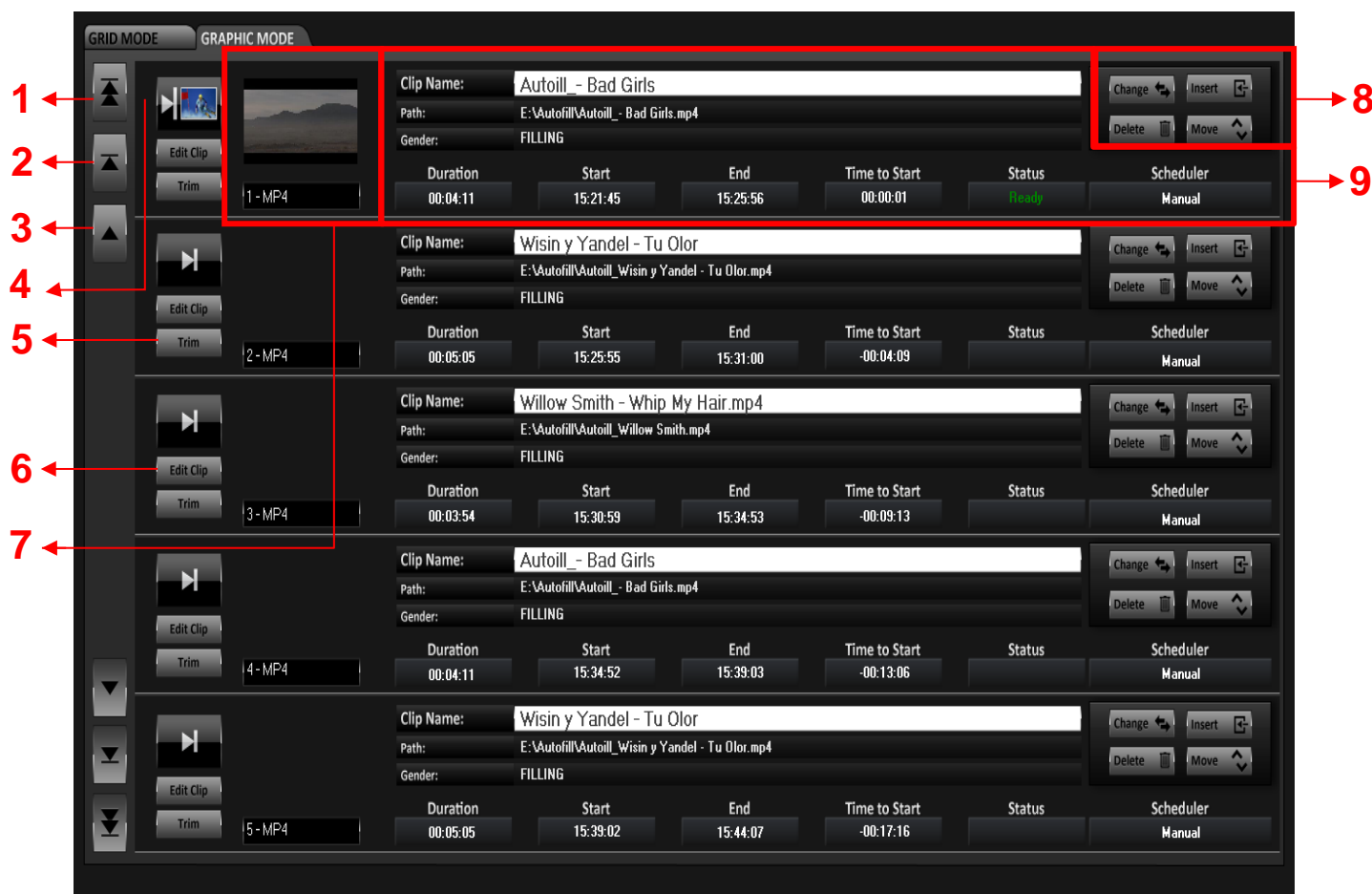
| 1	Scroll the playlist to the beginning or to the end
2	Scroll to the next page or to the previous one
3	Scroll to the next clip or to the previous one
4	Press to prepare the clip to go OnAir
5	Go to Trim Settings
6	Go to Edit Clip Settings
7	Reference Image and file type of the clip
8	**CHANGE**	Allows to change/substitute a selected clip from the playlist
	INSERT	Allows to insert a new clip from a folder
8	**DELETE**	Allows to delete a selected clip
	MOVE	Allow to move of position the selected file
9	**CLIP NAME**	Display the Clip Name
	PATH	Display the source o the clip
	GENDER	The clip Gender set in XTrimmer
	DURATION	Clip duration
	START	Show at what time the clip will be on air. This value is calculate dynamically.
	END	Show at what time the clip will be end. This value is calculate dynamically.
9	**TIME TO START**	Time To Start: Show how much time left to the clip on airing
	STATUS	Display the current status of the clip
	SCHEDULER	Date and time set by XScheduler

AXEL TECHNOLOGY

3.3 MENU
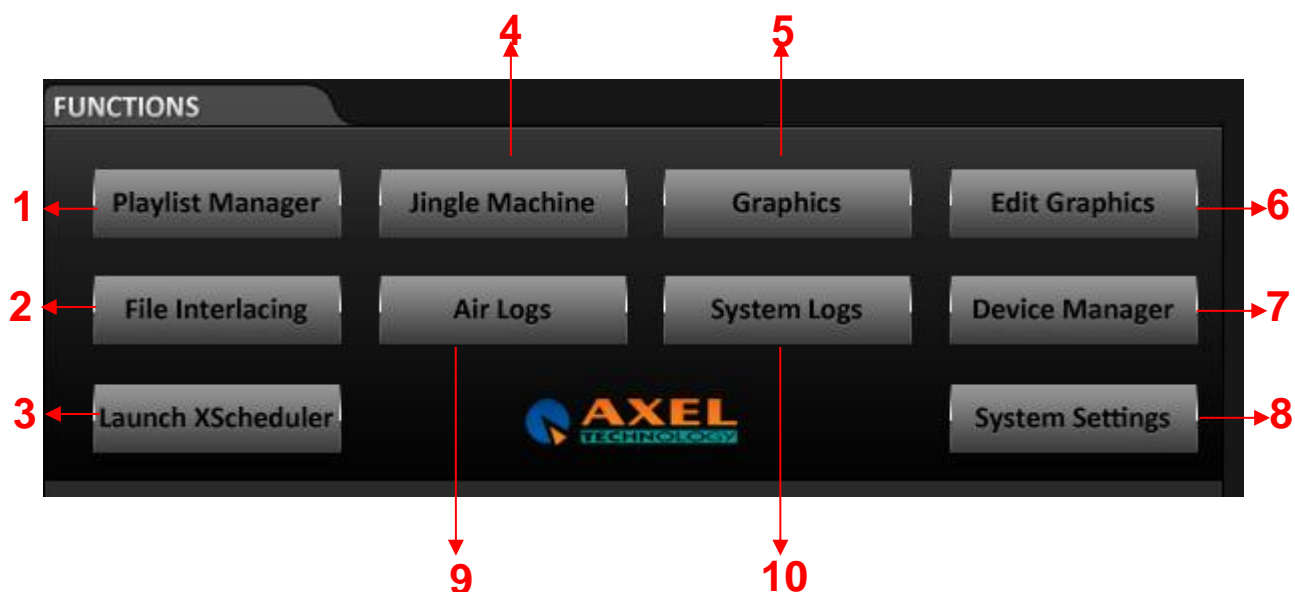
|	
1	Open a quick windows to select the desired playlist
2	Open a quick windows to create or edit file interlacing
3	If pressed launch XScheduler Software
4	Open a quick windows to create jingles to be managed with shortcut in the keyboard
5	Manual graphic managment. Load and play templates.
6	Open the graphics edit page
7	Open the device manager windows
8	Open the system settings
9	Show in a new window the Air Logs
10	Show in a new windows the System Logs

3.3.1 *PLAYLIST MANAGER*
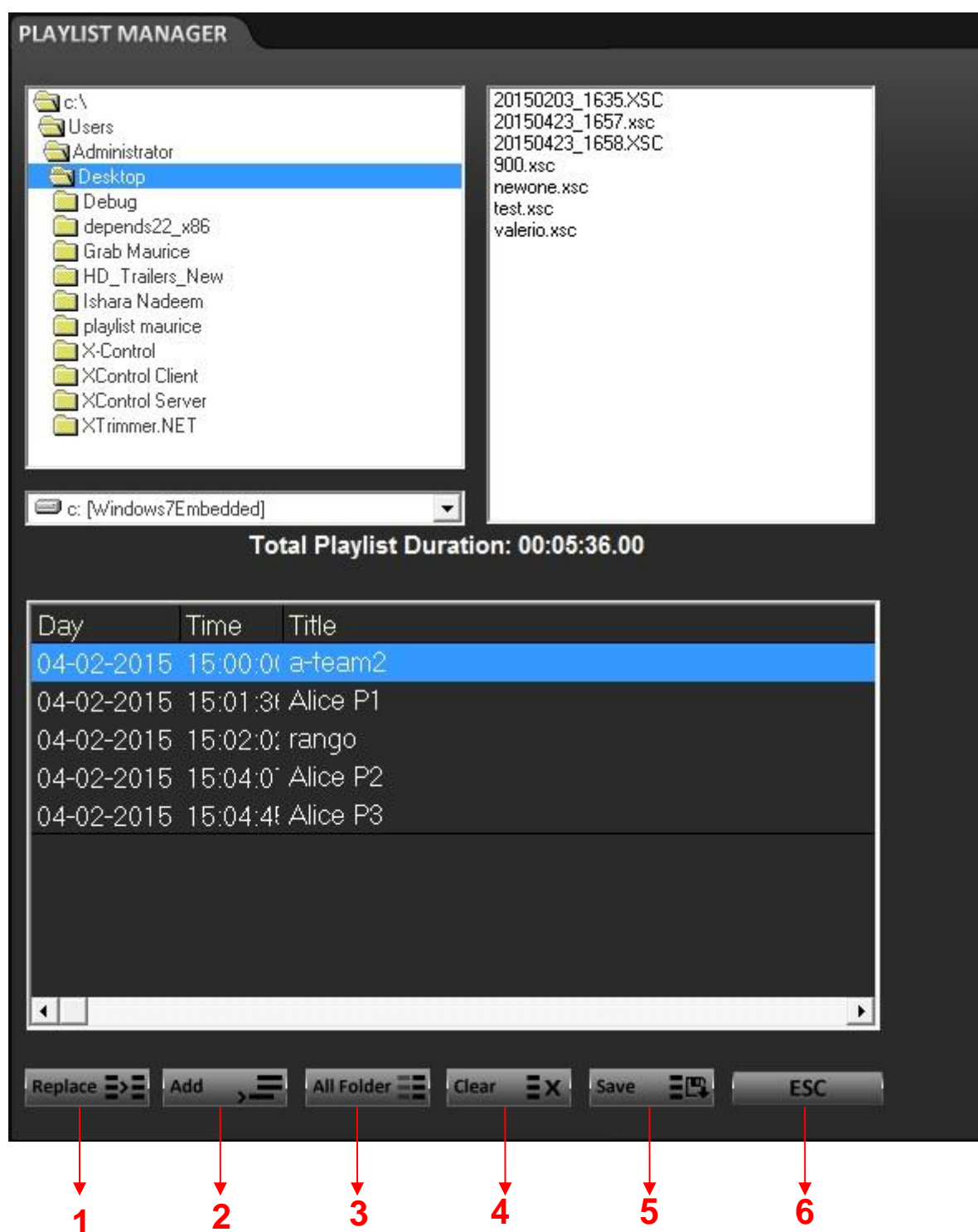
1	Replace the current XTV playlist with all clips of the selected .xsc file
2	Append the selected clip to the current XTV Playlist
3	Play immediately all the .xsc playlist files
4	Clear the current playlist
5	Save the current playlist in an .xsc file
6	Quit the playlist manager function

3.3.2 *JINGLE MACHINE*


1	From this button you browse in your system to select a clip with the function key (**3**)		
2	You delete the path and the clip associated with the function key.		
3	Function key to play immediately the clip in the current playlist		

.

3.3.3 GRAPHICS
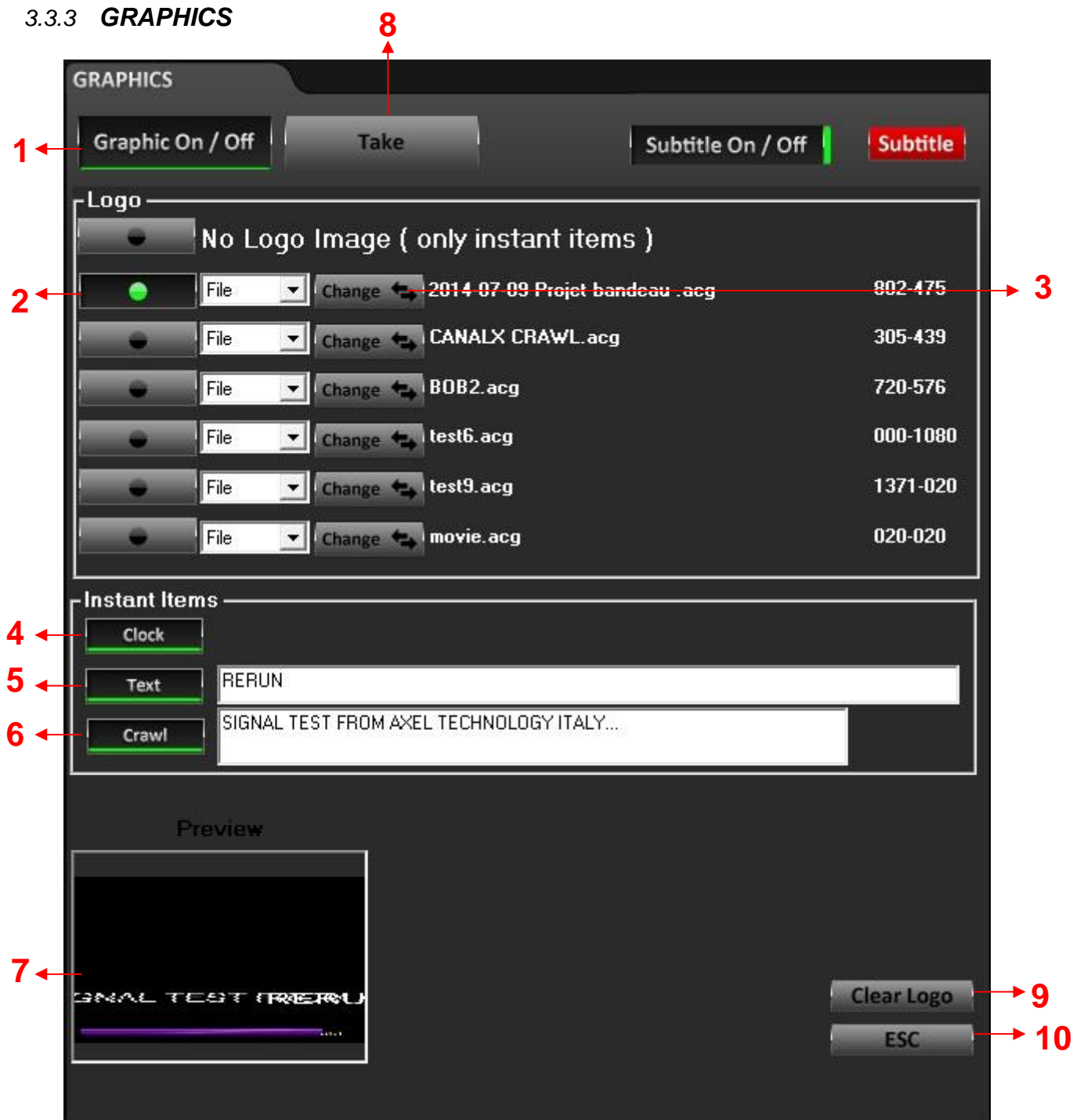
1	Able/Disable graphics
2	Able/Disable the selected graphic file
3	Open the browser to select for an .acg graphic file
4	Add/Remove a digital clock to your selected graphic files
5	Add/Remove a static text to your selected graphic files
6	Add/Remove a Crawl Text to your selected graphic files
7	You can have here an immediate preview of your selected graphic files
8	Take the selected graphic files to the playout
9	Clear all graphics from the playout
10	Quit the Graphics function

3.3.4 **FILE INTERLACING**
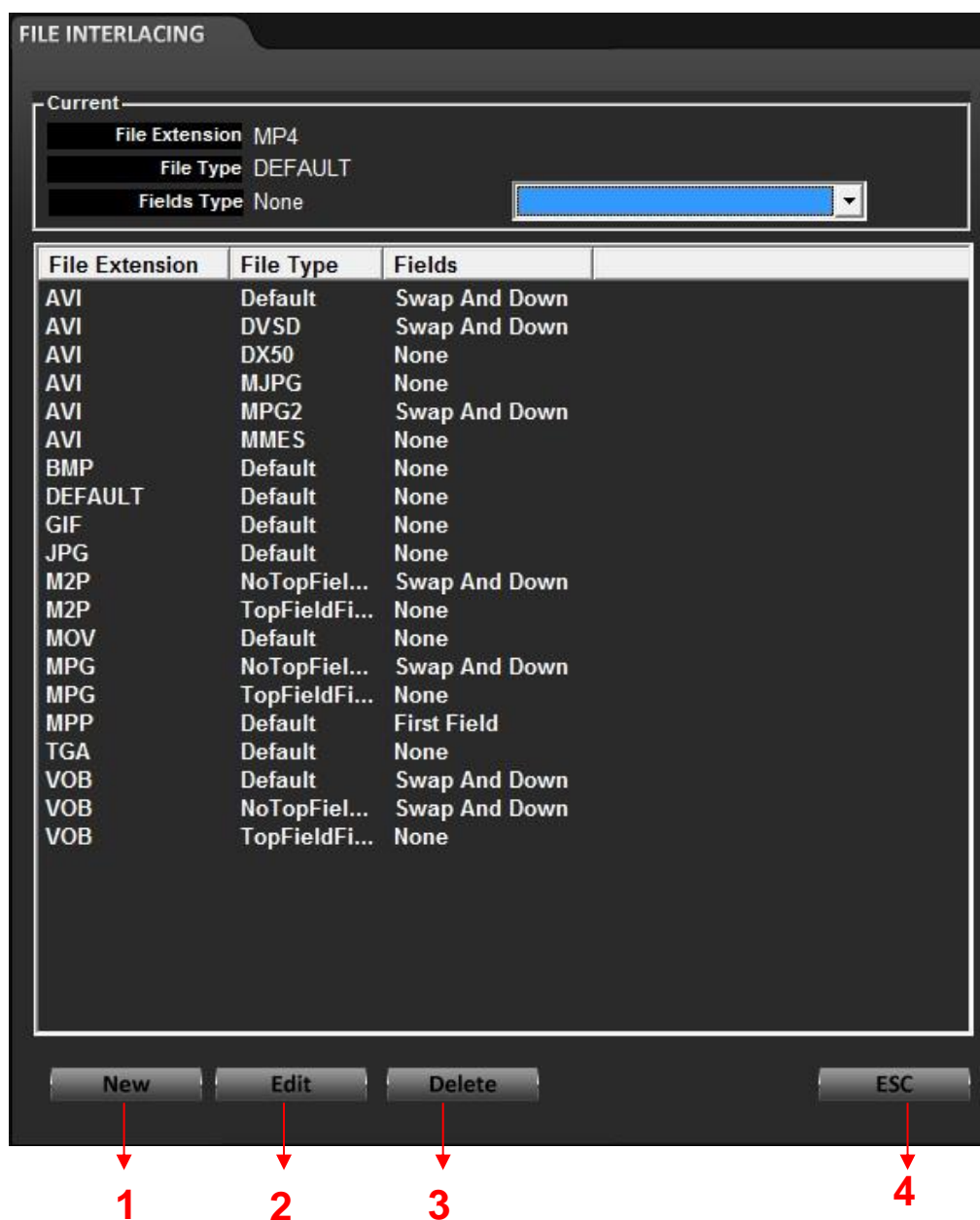
The File Interlacing mask permit you, in real time, to select a special fields correction between following ones:
- None
- Swap And Down
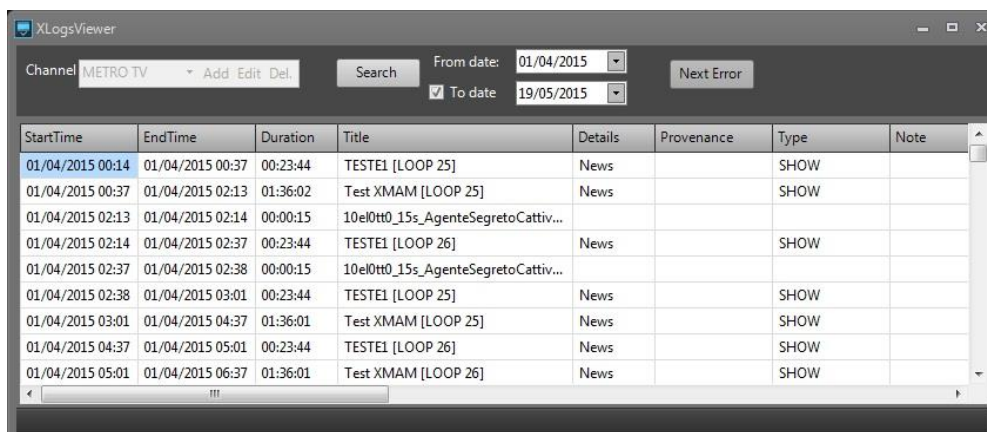- Swap And Up
- Swap
- First Field
- Second Field

Select your favourite from the drop-down menu.

You have also the possibility to recall a fields correction between existing presets. You can also create, edit or delete it.

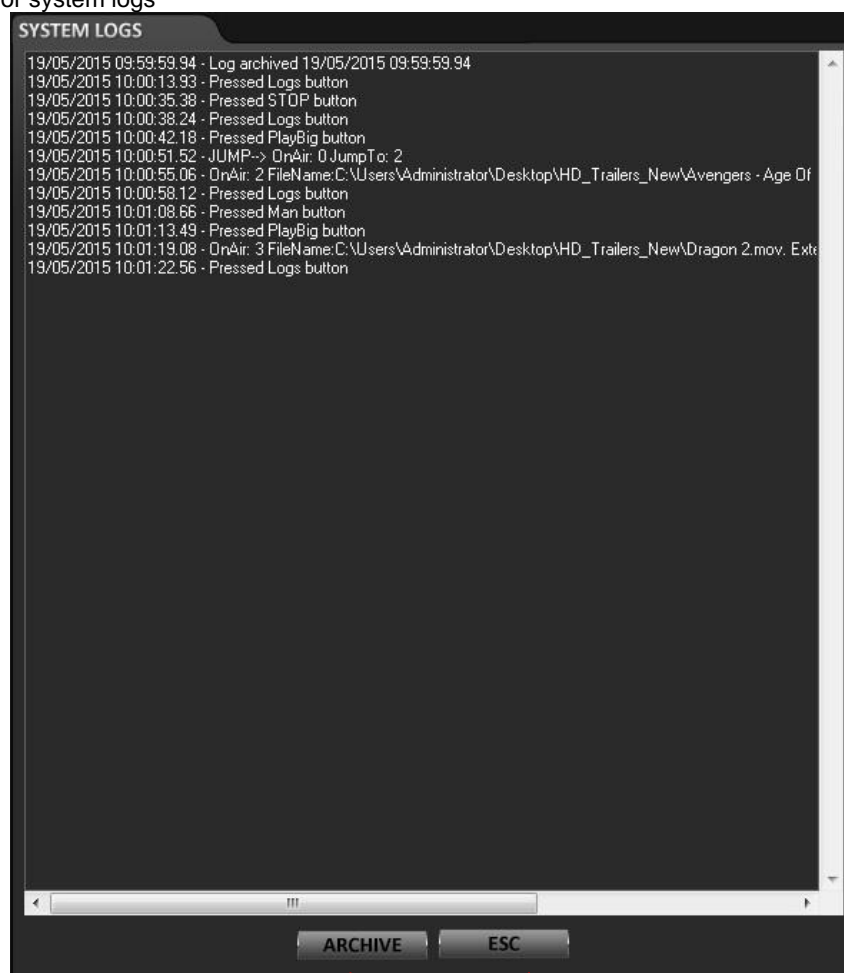|	
1	Creates a new filter for a selected clip format
2	Edit the selected filter
3	Delete the selected filter
4	Quit the File Interlacing function

3.3.5 **AIR LOGS**

Air Logs open the XLogs Viewer to read logs of the aired files.

3.3.6 **SYSTEM LOGS**

Here you can read for system logs

1	Clear and archive the logs
2	Quit the system logs function

3.3.7 *DEVICE MANAGER*
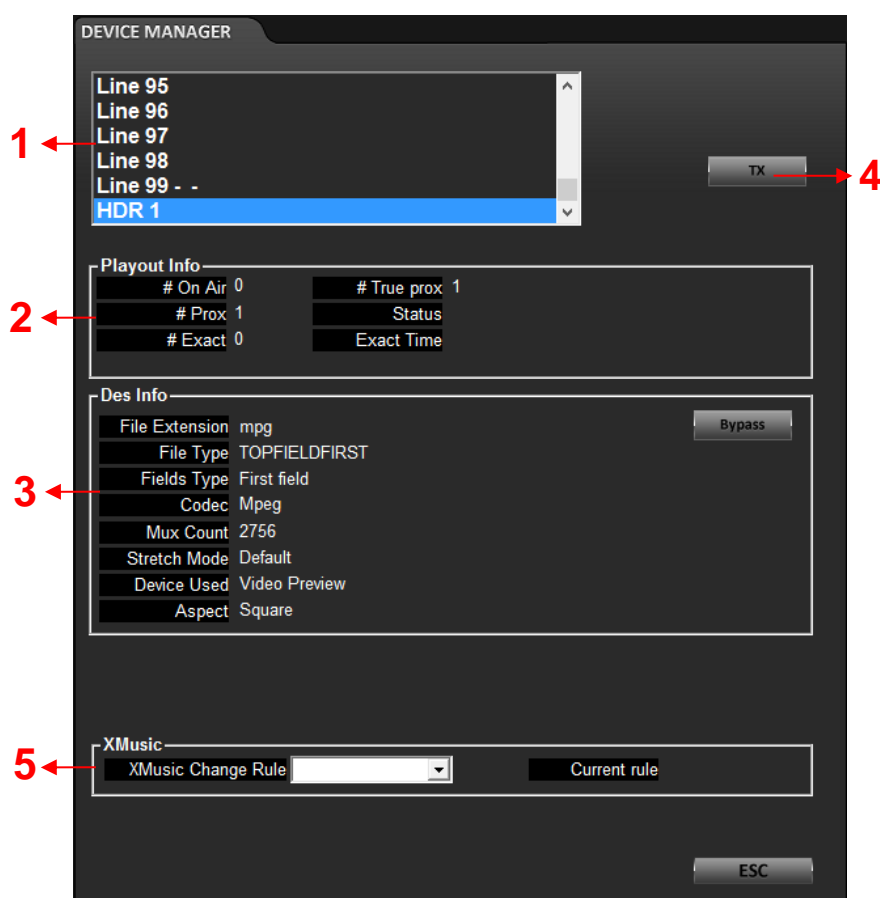
1	Devices list		
2	Display the Playout Info		
3	Multimedia Engine General Info	**FILE EXTENSION**	Display the Extension of the file
		FILE TYPE	File type of the clip
		FIELDS TYPE	Shows the fields type used for the clip
		CODEC	Shows the Codec used for the clip
		MUX COUNT	Shows the number of frames
		STRETCH MODE	Shows the Stretch mode used for the clip
		DEVICE USED	Shows the output device used
		ASPECT	Shows the aspect used
		BYPASS	Send Direct Show loaded filters
4	Send the Routing Switch command		
5	Xmusic rules manager		

3.3.8 *SYSTEM SETTINGS*

In this section show all the system settings of the XPlayout

3.3.8.1 AUDIO/VIDEO
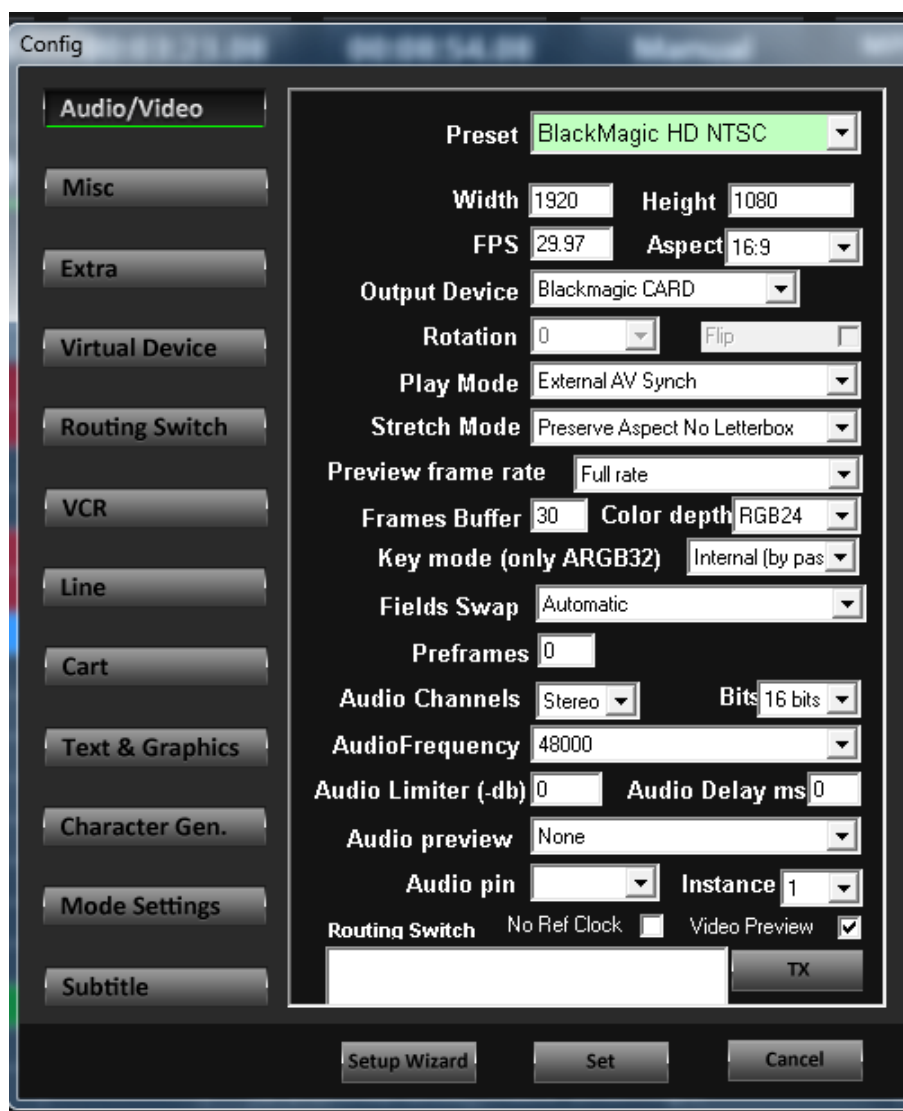
| PRESET	Set default values for the selected devices.		
WIDTH	Set the video width		
HEIGHT	Set the video height		
FPS	Set the video frames		
ASPECT	Set the video Aspect		
OUTPUT DEVICE	BLACKMAGIC: Set the DeckLink BlackMagic as output device		
	MICROSOFT DV: set a DV hardware as output device, using Microsoft DV codecs		
	MAINCONCEPT DV: set a DV hardware as output device, using Mainconcept DV codecs (where presents)		
	VGA: Set standard VGA video card as output device (es. Matrox G550)		
	VGA VMR: Set standard VGA video card as output device (es. ATI)		
ROTATION	Set he video rotation		
PLAY MODE	RENDER ALL FRAMES: render all A / V frames but out of sync errors may occur		
	AV SYNC: If necessary, skip some frames to maintain the synchronization		
STRETCH MODE	STRETCH: stretch the video to the selected resolution		

	CROP: Cut the preview using the predefined video size
	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
PREVIEW FRAME RATE	Define preview quality on the interface(depends on pc performance)
FRAMES BUFFER	Set how many frames to load in the buffer
COLOR DEPTH	Set the color depth
KEY MODE (ONLY ARGB32)	Define internal or external key option for alpha channel.
FIELDS SWAP	If you select "AUTOMATIC", XPlayout will choose automatically the right configuration
PREFRAMES	Number of frames from the end of the clip at which the playout stops it to start the next one
AUDIO CHANNELS	Set the audio as STEREO or MONO
BITS	Set the bits number used for audio
AUDIO FREQUENCY	Set the audio frequency
AUDIO LIMITER (-db)	Set the audio gain
AUDIO DELAY ms	Set the delay or the prerun of the audio
AUDIO PREVIEW	Set the audio preview device
AUDIO PIN	Set the audio pin
INSTANCE	Set the instance (number) of the device
ROUTING SWITCH	Define the routing path for the automation outputs into a routing switcher or master control mixer.
NO REF CLOCK	Enable/Disable No Ref Clock option
VIDEO PREVIEW	Enable/Disable Video Preview option

3.3.8.2 MISC

| 1 | **GENERAL** | TV NAME | Edit the name of the tv station |
		MONITOR SELECT	Select the output monitor
		PAUSE MODE	Select the pause mode
		LOCK MONITOR GUI PASSWORD	Configure the password for the monitor GUI
2	**CLOCK & DATE/TIME SETTINGS**	COLOR CLOCK	Edit the color of the clock
		HIDE CLOCK	Enable/Disable the clock
		LOGO FILE	Shows the path of the desired logo file
3	**ALTERNATIVE PATH**	REMOTE	Select the remote path
		LOCAL	Select the Local Path
4	**NETWORK PATH SETTINGS**	STATUS UPDATE INTERVALL(SEC)	Set the status update interval and the folder for emergency
4	**NETWORK PATH SETTINGS**	ENABLE GRAB IMAGE	Enable/Disable Grab image
		NO SAVE PLAYLIST	Enable/Disable no save
		NETWORK STATUS, LOGS AUTO IMPORT.XSC FOLDER	Define a different path for logs and backup status of the playlist
5	**IMPORT PATH**	FILLER FOLDER	Select the path of the filler folder
		ADD FILLER ALPHABETICALLY	Enable/Disable add filler alphabetically

		FOLDER CHECK TIME (MIN)	Set the time for checktime
		ADS FOLDER	Select the path of the Ads folder
		DO NOT ADD LOOP (ONLY FOR ADS)	Enable/Disable option for not to loop ads
6	GPI/SERIAL	ENABLE GPI	Enable / Disable the serial input. If you enable gpi, you have to set COM port
		ENABLE SERIAL INPUT	Enable/Disable Serial Input
		TYPE	Enable / Disable gpi control. If you enable gpi, you have to select the type
		COMPORT	Select the comport

3.3.8.3 EXTRA
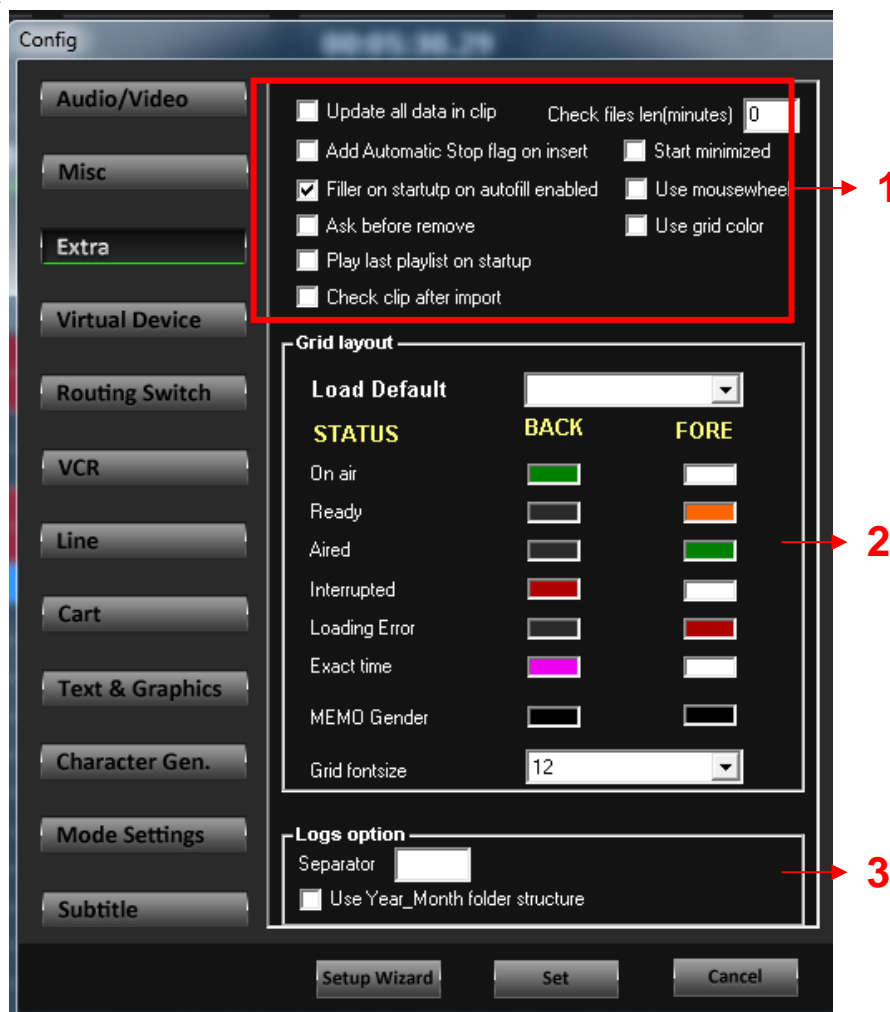
	UPDATE ALL DATA IN CLIP	Enable/Disable update all data on clip
	ADD AUTOMATIC STOP FLAG ON INSERT	Enable/Disable auto. stop on flag insert
	FILER ON STARTUP ON AUTOFILL ENABLED	Enable/Disable filler on startup
	ASK BEFORE REMOVE	Enable/Disable ask before remove file
1	PLAY LAST PLAYLIST ON STARTUP	Enable/Disable play last playlist on startup
	CHECK CLIP AFTER IMPORT	Enable/Disable to check clip after import
	CHECK FILES(MINUTES)	Set time for check files
	START MINIMIZED	Enable/Disable to start minimized
	USE MOUSEWHEEL	Enable/Disable to use mouse wheel
	USE GRID COLOR	Enable/Disable to use grid color
2	Select the prefered color for customizing the grid layout	
3	Select the style of separator or use a structure for the logs	

3.3.8.4 VIRTUAL DEVICE
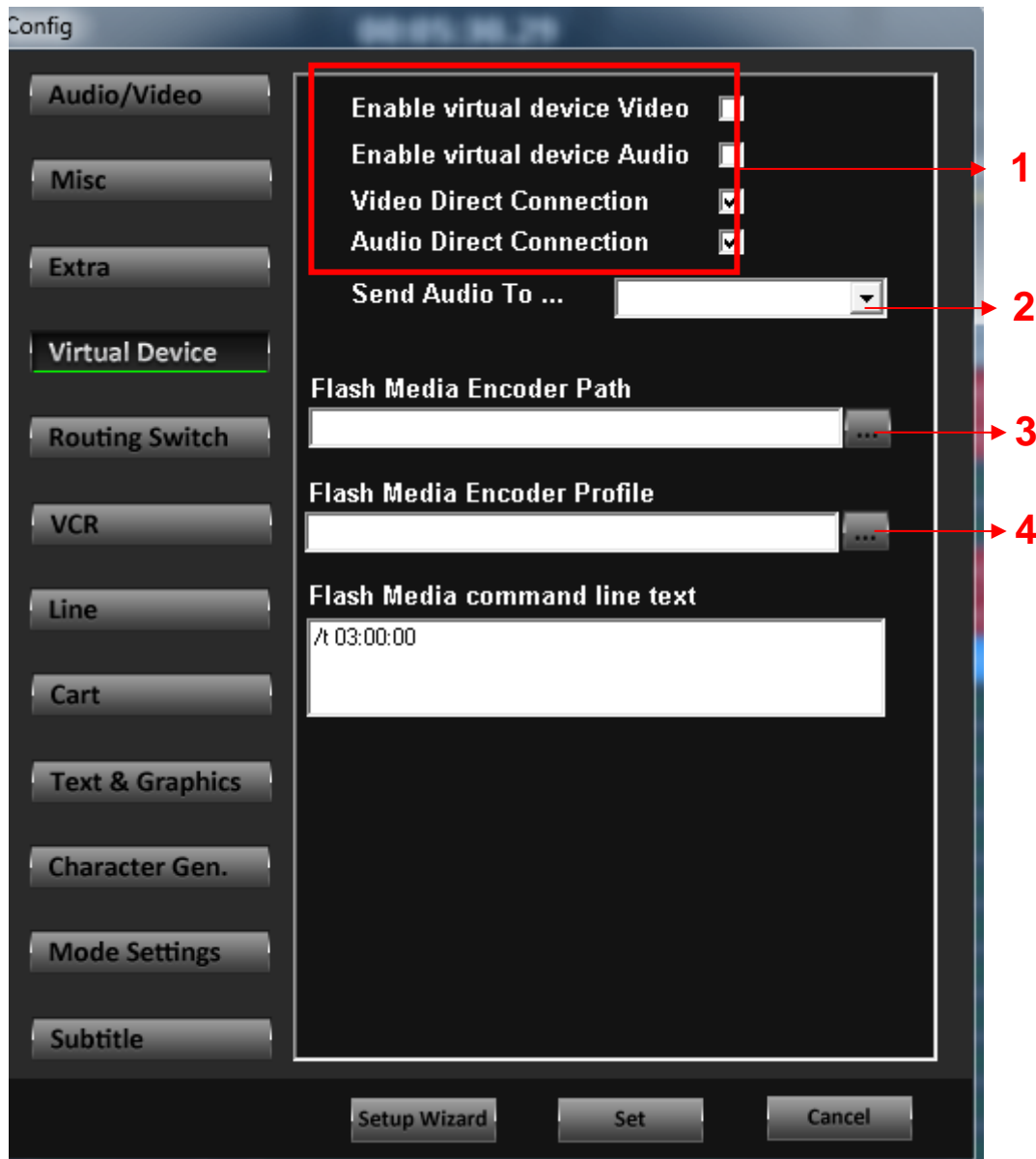
1	Enable/Disable the virtual device and the direct connection for audio & Video
2	Select the output for the audio
3	Select the path for the excecutable file for flash media encoder
4	Select the path for the profile for flash media encoder

3.3.8.5 ROUTING SWITCH
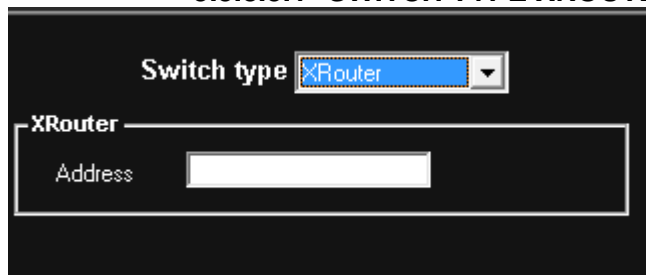
1	Set the serial port
2	Configure the Serial Port
3	Set the "short" pause
4	Set the "long" pause
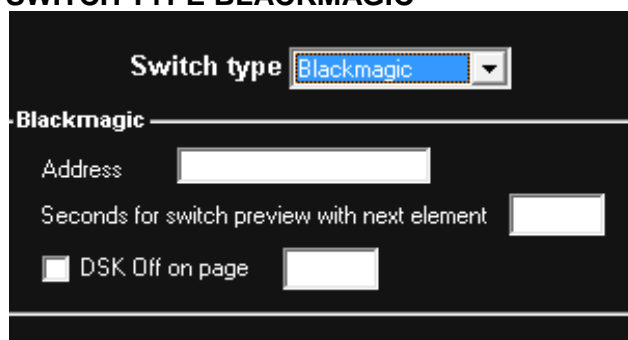
3.3.8.5.1 SWITCH TYPE XROUTER

In this screen you set the Address from the XRouter

3.3.8.5.2 SWITCH TYPE BLACKMAGIC

In this screen you set the address from the blackmagic device, and the configuration for it.

3.3.8.6 VCR

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

3.3.8.7 LINE

In this windows, you define all the routing path related to all the live sources incoming in the routing switcher. Option allows the automation to fully control the routing switcher.

3.3.8.8 CART

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

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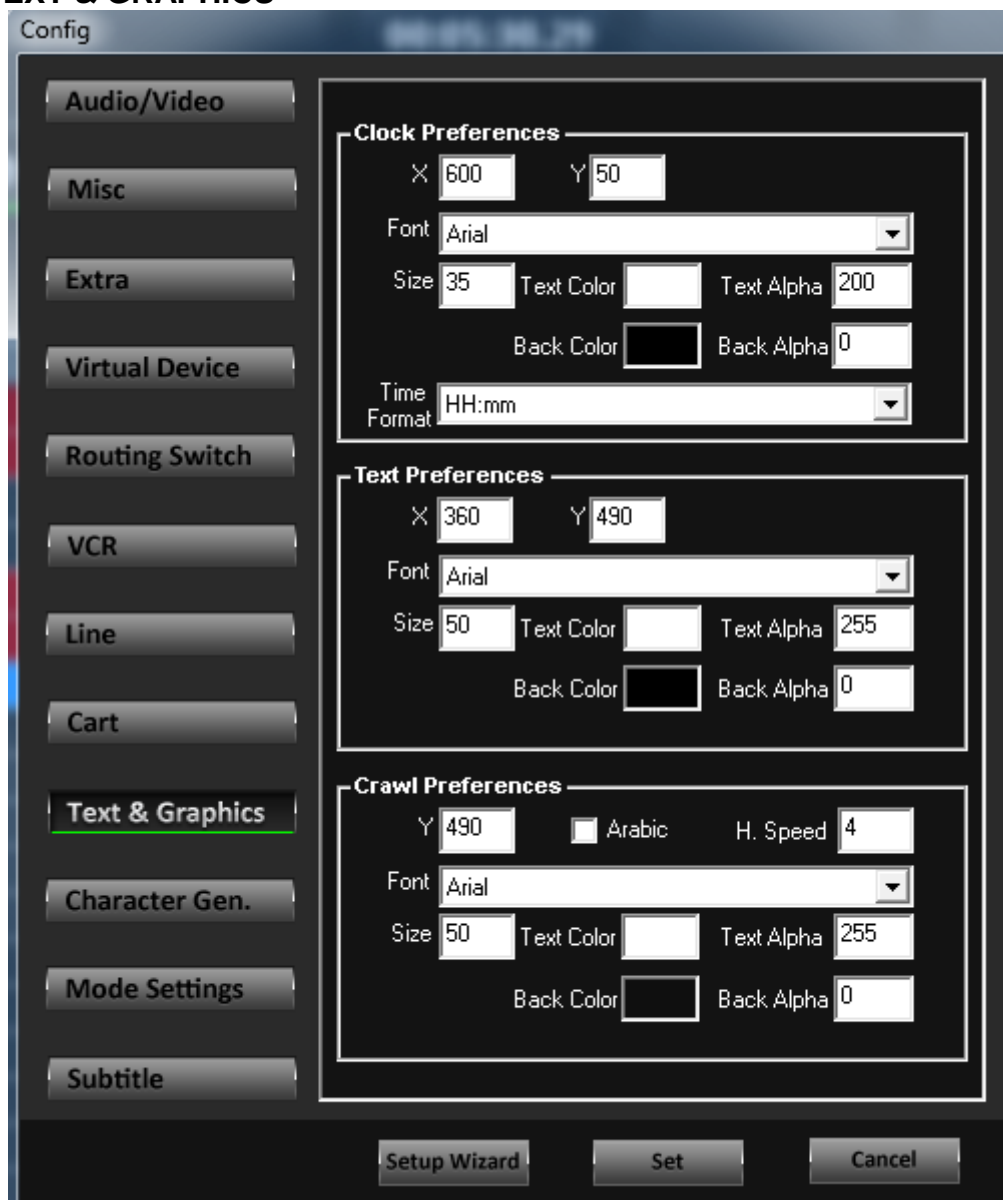
In this panel it is possible to set font, size, colour and position of the fixed elements: Clock, Text and Crawl text.

3.3.8.10 CHARACTER GEN

This panel is for setting up the connection with DLG Plus or other logo generator. In the Address field it has to be inserted the IP or name of the PC with DLG Plus installed, and in port the communication port with DLG Plus (usually 202).
On DLG Plus you can define up to 99 templates that can be automatically managed by the automation

3.3.8.11 MODE SETTINGS

1	Enable/Disable and configure the Slave Mode
2	Enable/Disable and configure the time shifting mode.
3	Enable XMusic and set the XMusic service IP

3.3.8.12   SUBTITLE

In this windows the user can enable/Disable and configure the subtitles

4   XCAPTURE

XCapture is the software for ingest from any kind of source according to the installed video board. The software is able to record in SD/HD and in different format / codec.
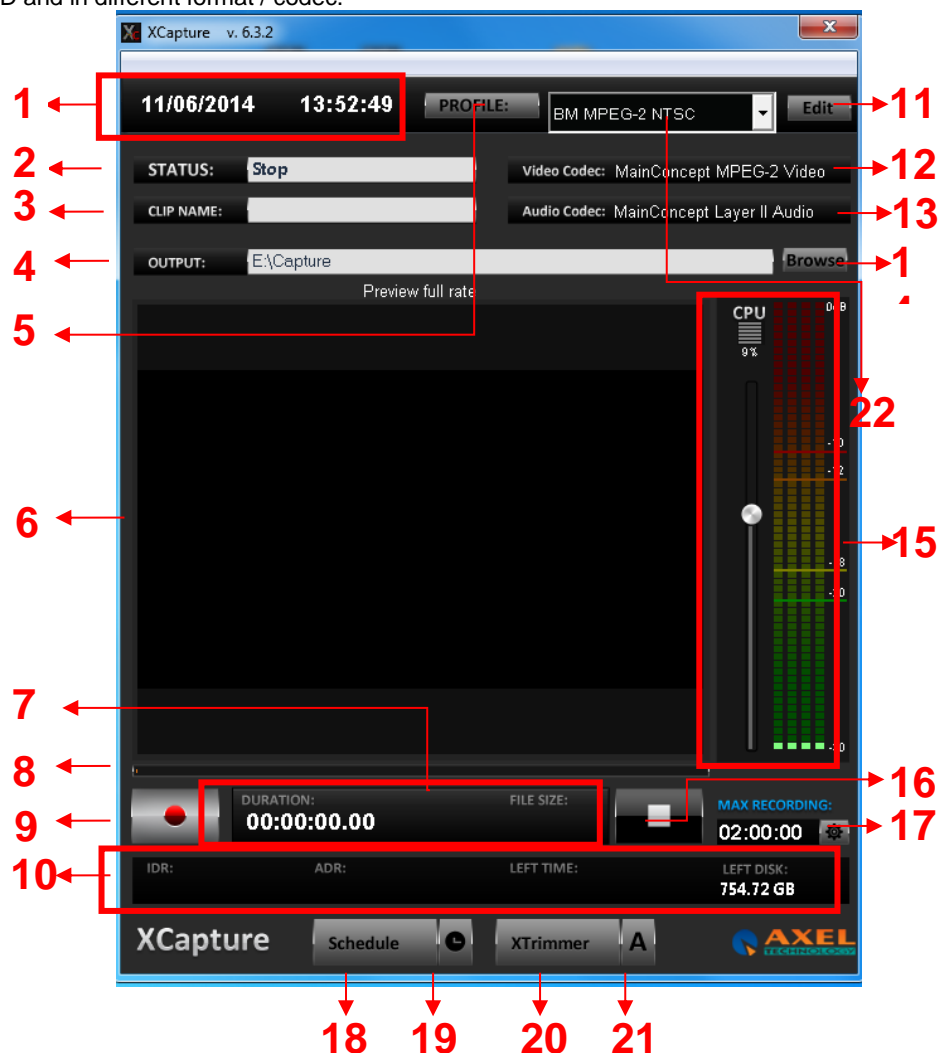
1	Displays current date and time.	
2	Shows the Status of the Capture.	
3	Insert here the name of the clip you want to ingest.	
4	Displays the path where you're going to save the video.	
5	Opens the profile configuration panel.	
6	Displays a real time preview of the incoming video.	
7	**DURATION**	Displays the lenght of the file you're recording.
	FILE SIZE	Displays the dimension of the file you're recording.
8	Displays the progress of the recording.	
9	Start recording.	
10	**IDR**	Displays Instant Data Rate.
	ADR	Displays Average Data Rate.
	LEFT TIME	Displays how many hours and minute remained free on the hard drive.
10	**LEFT DISK**	Displays how many Gigabit remained available for recording on the hard drive.
11	Opens a panel where you can create marks (highlights) during the recording.	
12	Displays the current Video Codec used.	
13	Displays the current Audio Codec used.	
14	Select the path for saving your ingests.	
15	**CPU**	Shows the CPU usage.

	VOLUME METER	Displays the Audio volume.
	VOLUME CONTROL	Adjusts the volume during a recording. By default it is sets to the 0 dB level.
16	If pressed, it stops the recording manually.	
17	Sets the maximum time of recording.	
18	Allows to set a schedule in a specific date & time.	
19	Enables/Disables the schedule option.	
20	Allow to enter automatically to Xtrimmer when the recording it's done .	
21	Enables/Disables the automatically open of XTrimmer at the end of a ingest.	
22	Drop down menu for selecting recording preset formats.	

Please note, if you're start recording a feed and you were not defining a name for this ingest (area number 3) when you will STOP the ingest, a pop-up window will appear asking you for a file name for the current recording.
If you discard the request pressing CANCEL, no file will be save and the current recording will be deleted.

4.1 SCHEDULE OPTION
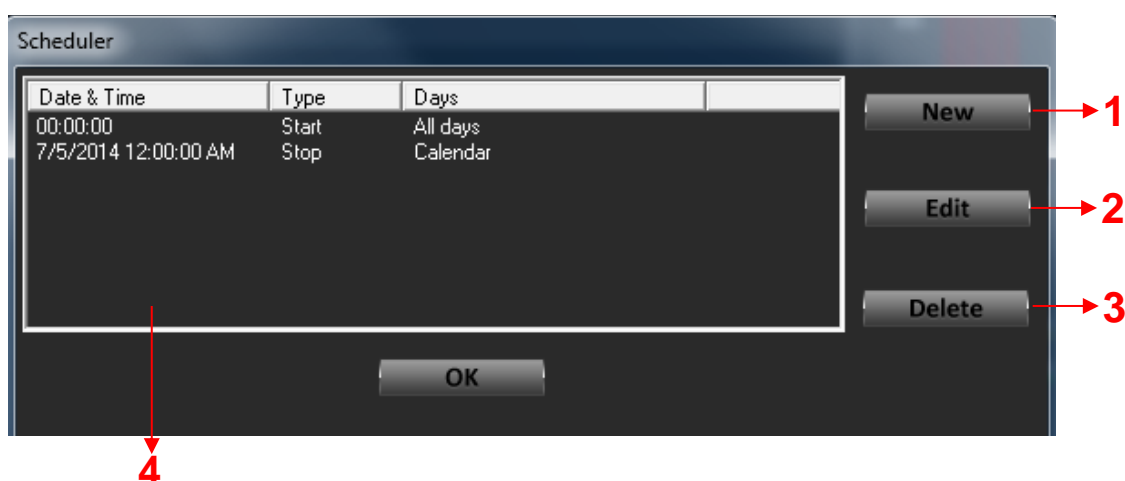
1	Creates a new schedule
2	Edits the selected schedule
3	Deletes the selected schedule
4	Shows the list of designed schedules

4.1.1 *NEW SCHEDULE*
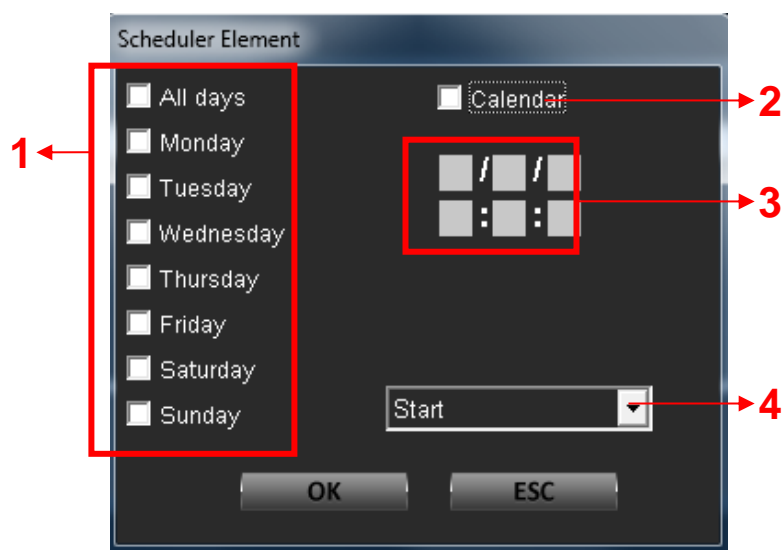
1	Defines the day of the week
2	If you check this option, the schedule will start ONLY on the date you write
3	Sets schedule exact date & time
4	Selects schedule command's type: START or STOP

4.2   PROFILE SETTINGS
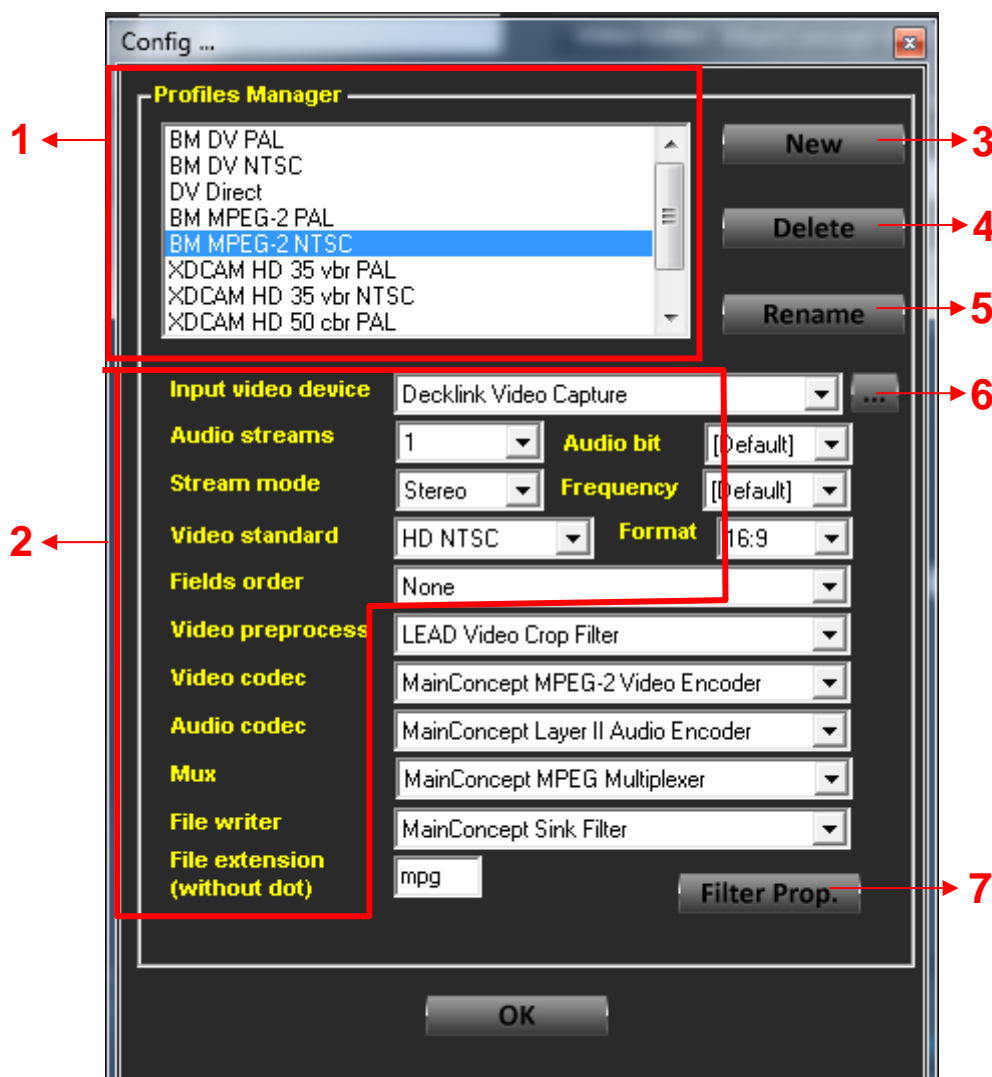
1	Displays all factory broadcast preset in SD/HD and PAL/NTSC	
	INPUT VIDEO DEVICE	Sets the input video device
	AUDIO STREAMS	Sets the audio streams
	STREAM MODE	Sets the Stream Mode
	VIDEO STANDARD	Sets the Video Standard
	FIELDS ORDER	Sets the Fields Order
	VIDEO PREPROCESS	Sets the Video Preprocess
2	**VIDEO CODEC**	Sets the Video Codec
	AUDIO CODEC	Sets the Audio Codec
	MUX	Sets the MUX
	FILE WRITER	Sets the File Writer
	FILE EXTENTION(WITHOOUT DOT)	Allows to set the desired file extension format
	AUDIO BIT	Sets he Audio Bit
	FREQUENCY	Sets the Frequency
	FORMAT	Sets the Format
3	Allows to create a new profile	
4	Allows to delete a selected profile from the list	
5	Allow to rename a selected profile from the list	
6	Allows to select a custom input video device	
7	Allows to select the desired filter properties	

Please note, we warmly suggest, in case you need to change video quality, data rate or other parameters to contact our support to assist you in creating a new tailor made broadcast format.

IMPORTANT:

If you're running XCapture simultaneously with XPlayout (installed on the same workstation) be sure you have a Blackmagic Duo to allow play & capture at the same time.
The only configuration to run XCapture properly is selecting as "VIDEO INPUT DEVICE" the second option in the drop down list.

5 XTRIMMER

XTrimmer is the tool for cataloguing and trimming videos inside the XTV Suite.
XTrimmer is a free software and it can be installed in other workstation without license activation.
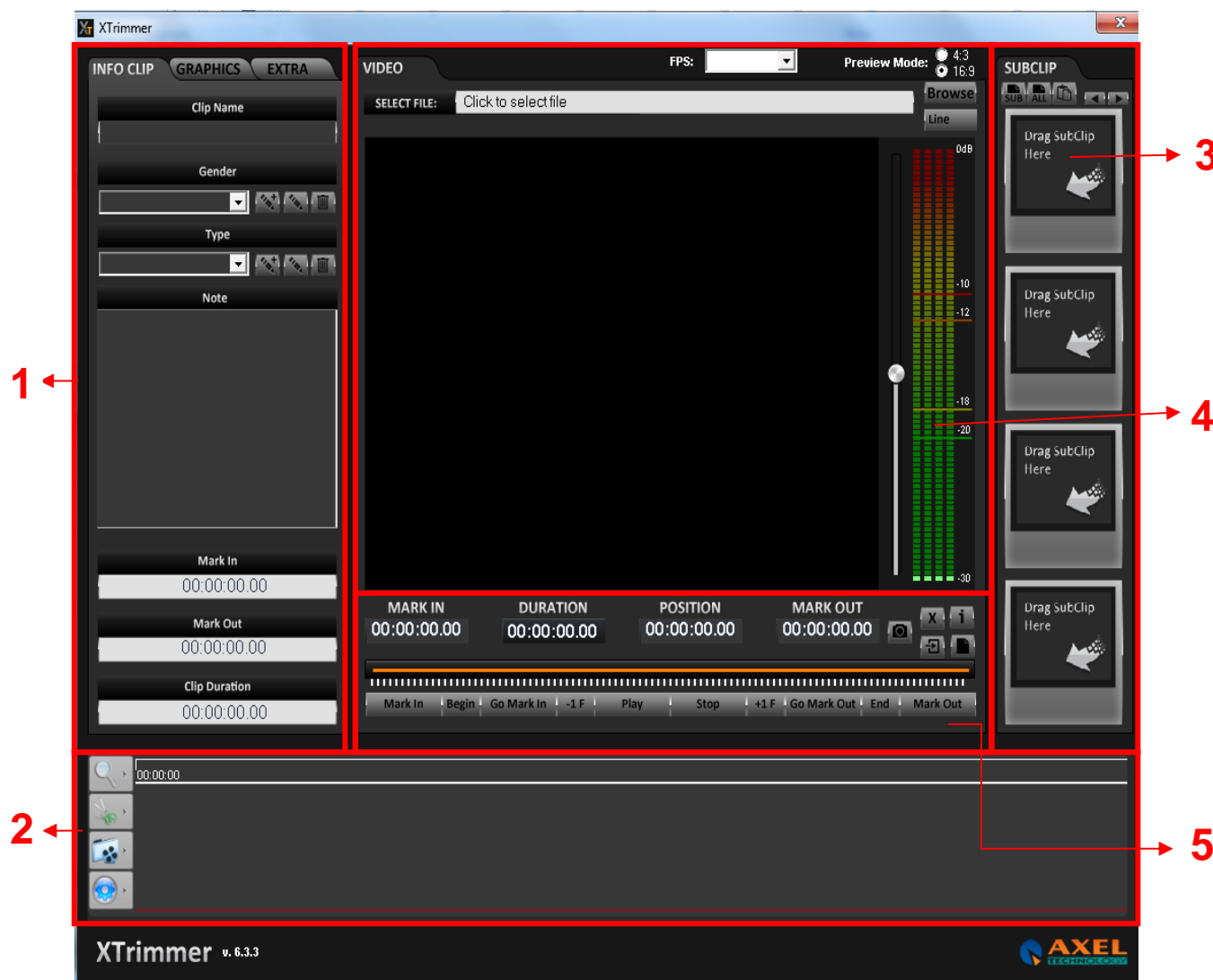
1	Displays the metadata informations for the clip.
2	Displays thumbnails and waveform of the clip.
3	Displays the subclips created.
4	Displays preview of the clip, VU meters and audio control.
5	Controls for setup mark-in mark-out points on the clip.

5.1 CLIP METADATA

The entire videoclip and either the subclips created can contain metadatas, useful for cataloguing and insert notes attached to the clip. All the information 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.

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

5.1.1 *INFO CLIP*
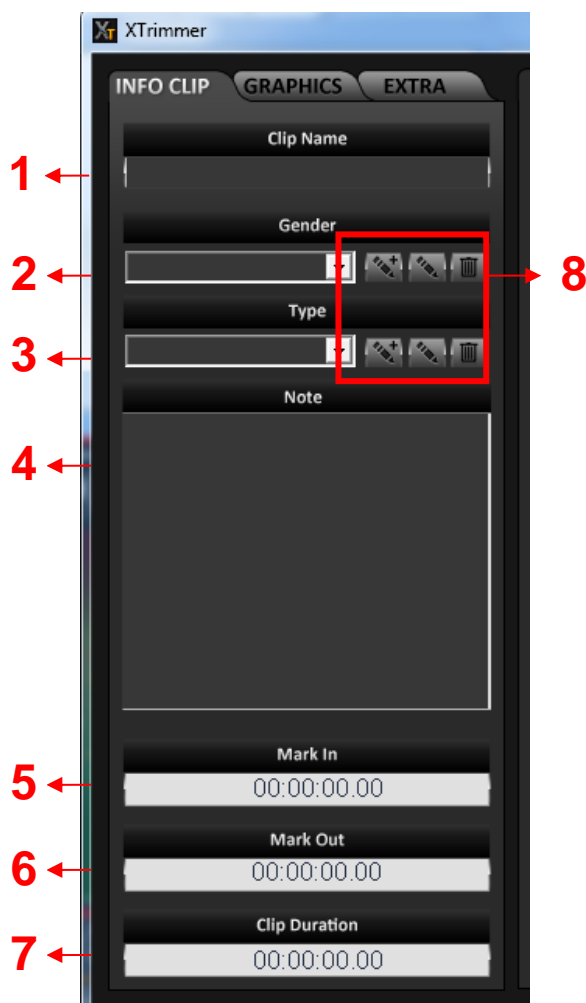
1	Displays the Clip Name, you can re-type and modify (it doesn't affect the file name)
2	Displays the Clip's Gender
3	Displays the Clip's Type
4	Allows to type notes regarding the clip
5	Shows the clip / subclip Mark In time
6	Shows the clip / subclip Mark Out time
7	Shows the clip / subclip duration
8	Insert, Edit or Delete a clip Gender or Type from the list

5.1.2 *GRAPHICS DATA*
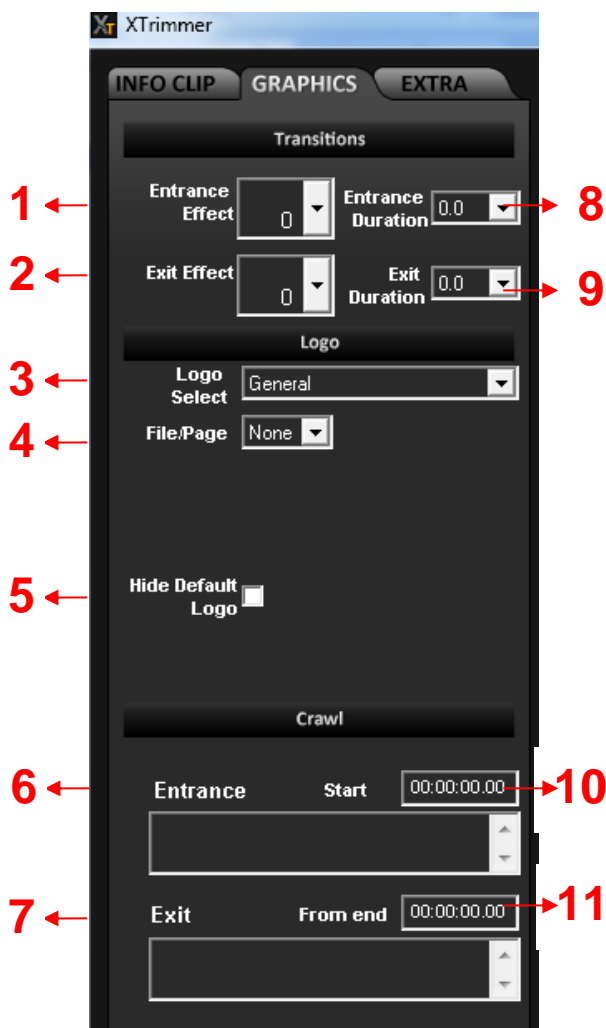
| 1	Defines entry transition for the clip / subclip.
2	Defines exit transition for the clip / subclip.
3	Dropdown menu. Defines how you want to display a logo: an all clip duration, at the entrance or and the end with timing controls.
4	Dropdown menu. Defines to re-call a remote page on a external CG or selecting a file created internally with CGcomposer.
5	When checked, you can hide automatically the TV station logo when you broadcast this specific clip (for example an advertisement).
6	Allows you to type a crawl to be shown at the beginning of the clip.
7	Allows you to type a crawl to be shown at the end of the clip.
8	Sets the duration for the entrance transition
9	Sets the duration for the exit transition
10	Sets the Start time for the entrance crawl effect
11	Sets the time from the end of the clip / subclip for the exit crawl effect

5.1.3 *EXTRA DATA*

|		
1	Displays the parameters for the selected clip / subclip	
	SKIP	If checked allows the system to skyp this clip in specific cases.
	AUTOMATIC STOP	If checked allows the system to keep in stop XPlayout when it finishes to broadcast this clip.
	CUT/STRETCH IF LATE/AHEAD	If checked, gives the possibility to cut the clip if the playlist is in late or stretch it if it is ahead of time.
	SKIP IF LATE	If checked, allows the XPlayout to skip the clip if the playlist accumulated delay.
2	This fields allows you to type extra informations. They will appear as a comments in our traffic & billing software RamComm.	
3	Sets the GPI contact for the selected clip / subclip	
4	Allows you to modify the aspect ratio and field parameters of a video without any transcoding.	

5.2   COMMANDS INFO

| 1	Allows you to zoom in & out through the thumbnails.
2	Allows you to set mark-in & mark-out.
3	Opens the converter panels. You can convert the entire clip or a specific segment selecting the output format from a list of broadcast certified preset in PAL /NTSC or create your own one.
4	Displays the settings.

5.2.1   *ZOOM COMMANDS*
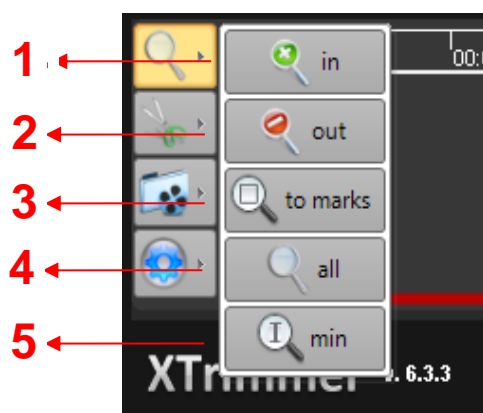
1	Sets the zoom in.
2	Sets the zoom out.
3	Sets the zoom only to the marks.
4	Sets the zoom to all the file.
5	Sets the zoom to a specific minute.

5.2.2 **MARK COMMANDS**
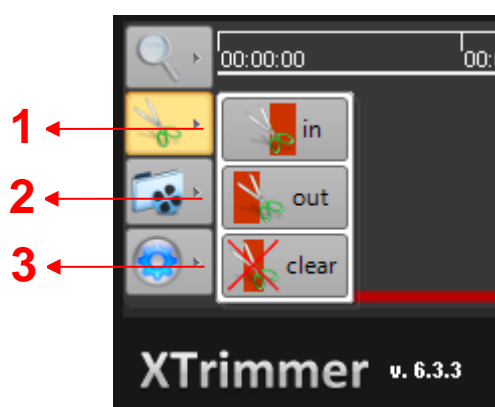
1	Sets the Mark in.
2	Sets the Mark out.
3	Clears all the marks in the clip.

5.2.3 **CONVERT COMMANDS**
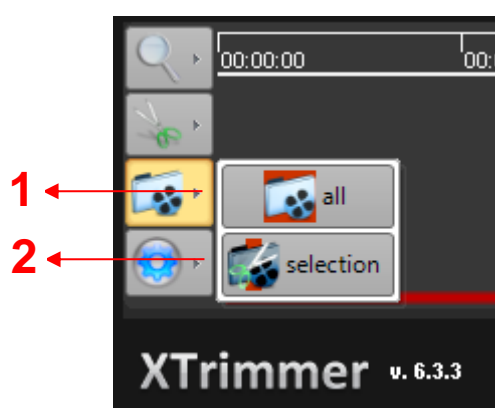
1	Converts all the clip in a desired format.
2	Converts only a selection of the clip to a desired format

5.2.4 **SETTING COMMANDS**
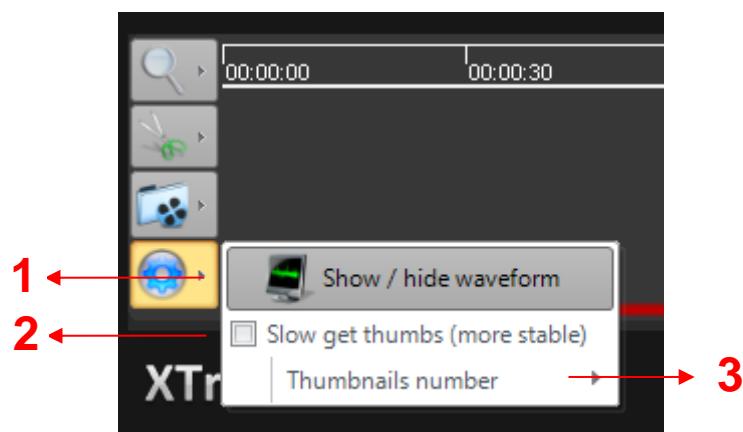
|	
1	Enable/Disable to show the waveform
2	Enable/Disable to get thumbs slower
3	Displays and allows to select the desired numero of thumbnails to display.

5.3 **SUBCLIP INFO**

1	Subsitutes, copies all or copies only one subclip's parameters.
2	Shows the supclip reference image
3	Shows the subclip Mark In.
4	Shows the subclip number.
5	Navigates between the pages of subclips.
6	Shows the subclip Mark Out.

5.4 *MONITOR*

| 1	Show the current file
2	Monitor Preview
3	Sets the preview mode
4	Browse to open a file
5	Create a Live source and edit metadata for it
6	Sets the Frames per Second (FPS)
7	Adjust and view Volume Meter levels

5.5   CLIP INFO
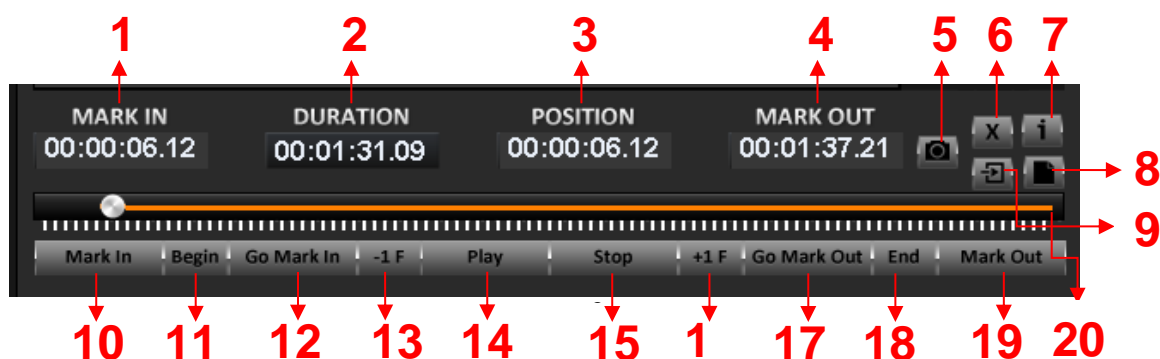
1	Show the clip Mark In
2	Show the clip duration
3	Show the clip position
4	Show the clip Mark Out
5	Grab the current frame to associate with the subclip
6	Delete all the file metadata
7	Open a window with the information about the clip
8	Show a windows to rename de file
9	Move the clip to a different path
10	Point the cursor to the desired mark in
11	Point the cursor at the beginning of the file
12	Point the cursor at the beginning of the selected marker on the subclip
13	Point the cursor to the previous frame
14	Play the file
15	Stop the file
16	Point the cursor to the next frame
17	Point the cursor at the end of the selected marker on the subclip
18	Point the cursor at the end of the file
19	Point the cursor to the desired mark out
20	Progress Bar

6 XSCHEDULER

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.

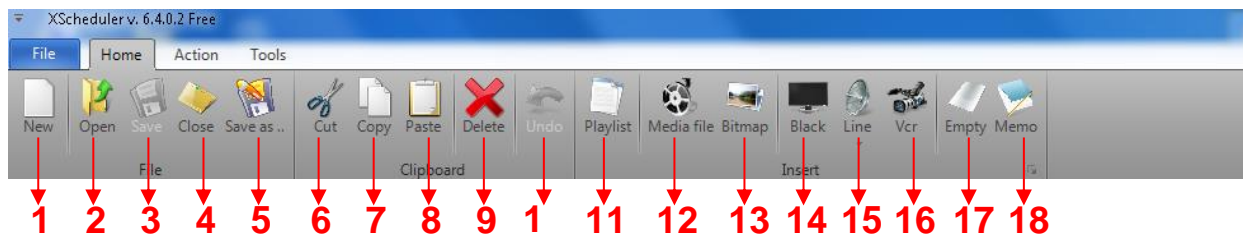The main window is divided in three parts:
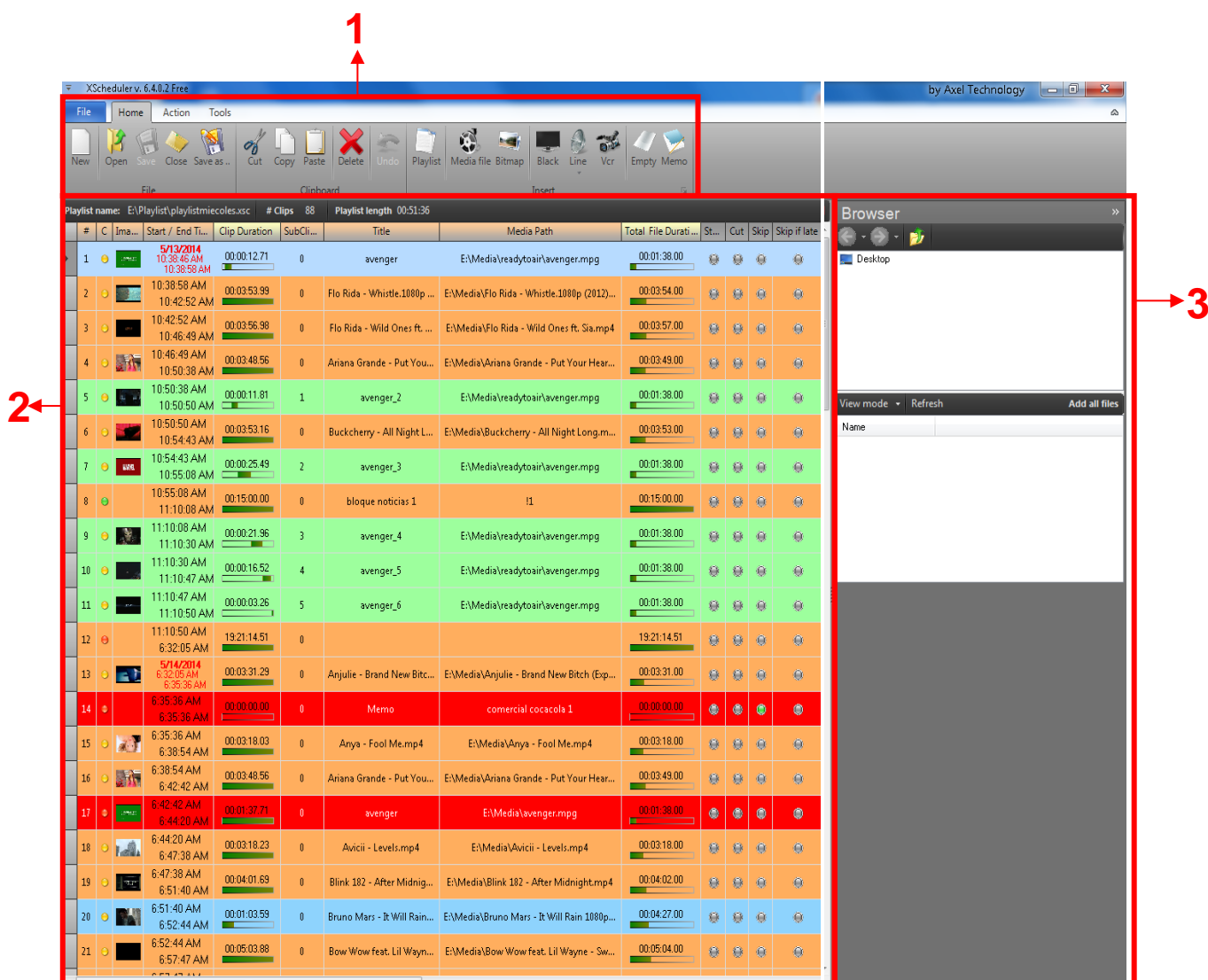
| 1	Menu and Tool bar
2	Grid with the playlist items
3	Browser

6.1   SCHEDULE OPTION

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

6.1.1   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 and the desired path
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	Add an "memo" event to the playlist

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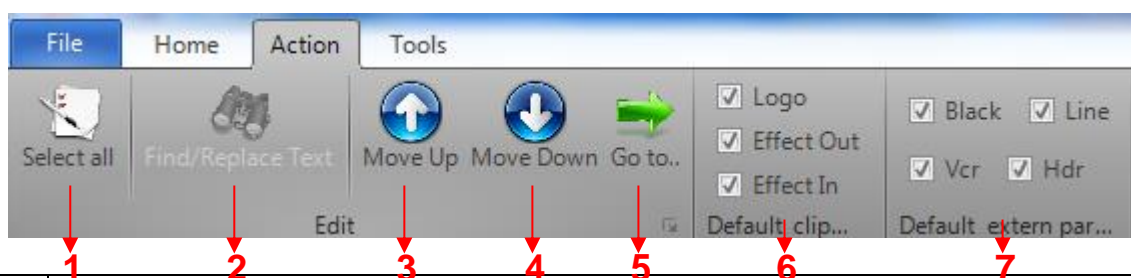
| 1	Select all clip(s)
2	Find (or replace) a string inside the document
3	Move up selected clip(s)
4	Move down selected clip(s)
5	Point the cursor to the typed row
6	Select which default clip parameters will be set when a clip is added
7	Select which default clip parameters will be set when an extern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

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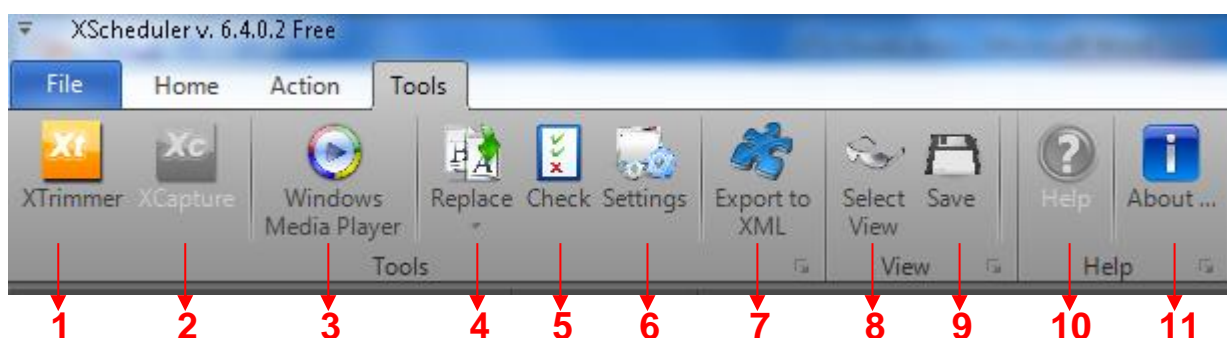
1	Open XTrimmer loading the selected file
2	Open XCapture to fill the empty row
3	Open Windows Media Player
4	Replace the selected clip(s) with another one
5	Check the selected clip(s)
6	Open the Settings Panel
7	Export File to XML
8	Select the XML format file for the view type
9	Save the current view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

6.1 SETTINGS PANEL

6.1.1 GENERAL CONFIG
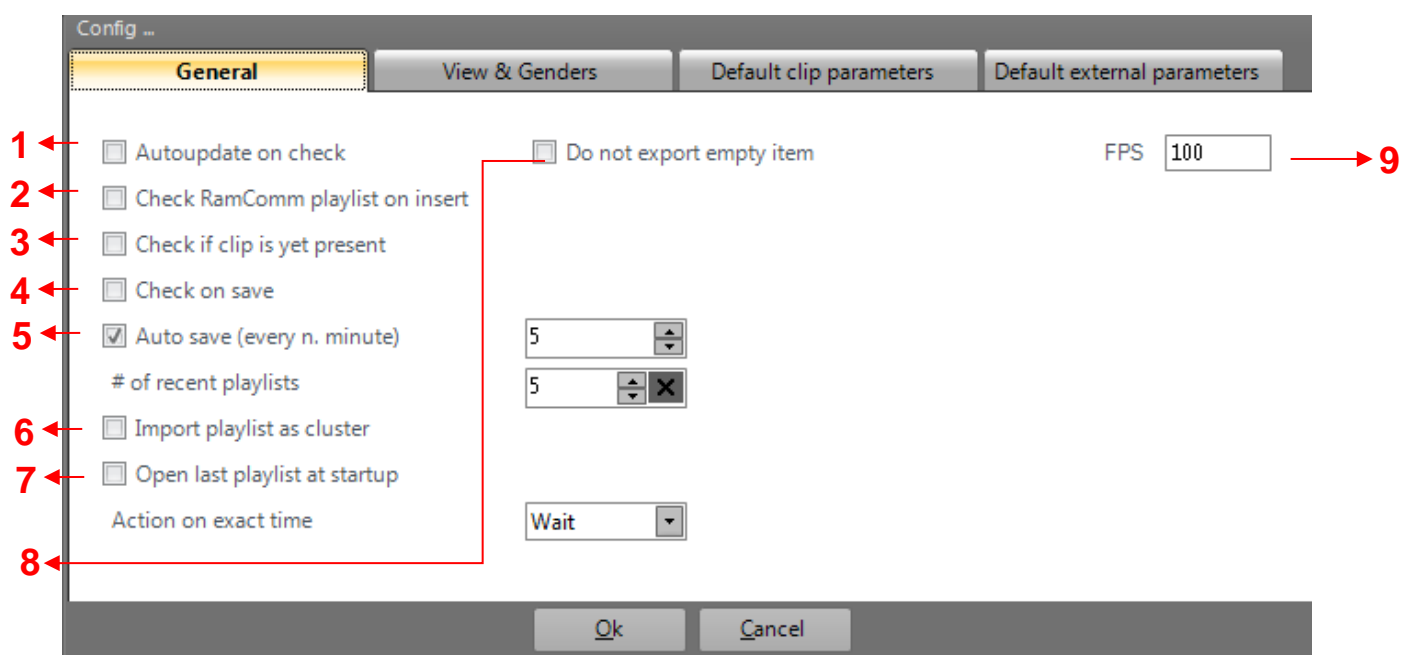
1	Enable/Disable Autoupdate on Check
2	Enable/Disable RamComm Playlist on insert
3	Check if the clip is already present in the playlist or not
4	Check the clip when you save the playlist
5	Enable / Disable the auto saving option
6	Enable/Disable Import Playlist as cluster
7	Enable / Disable the automatic opening of the last playlist on startup
8	Enable/Disable Export empty items
9	Set the FPS base unit

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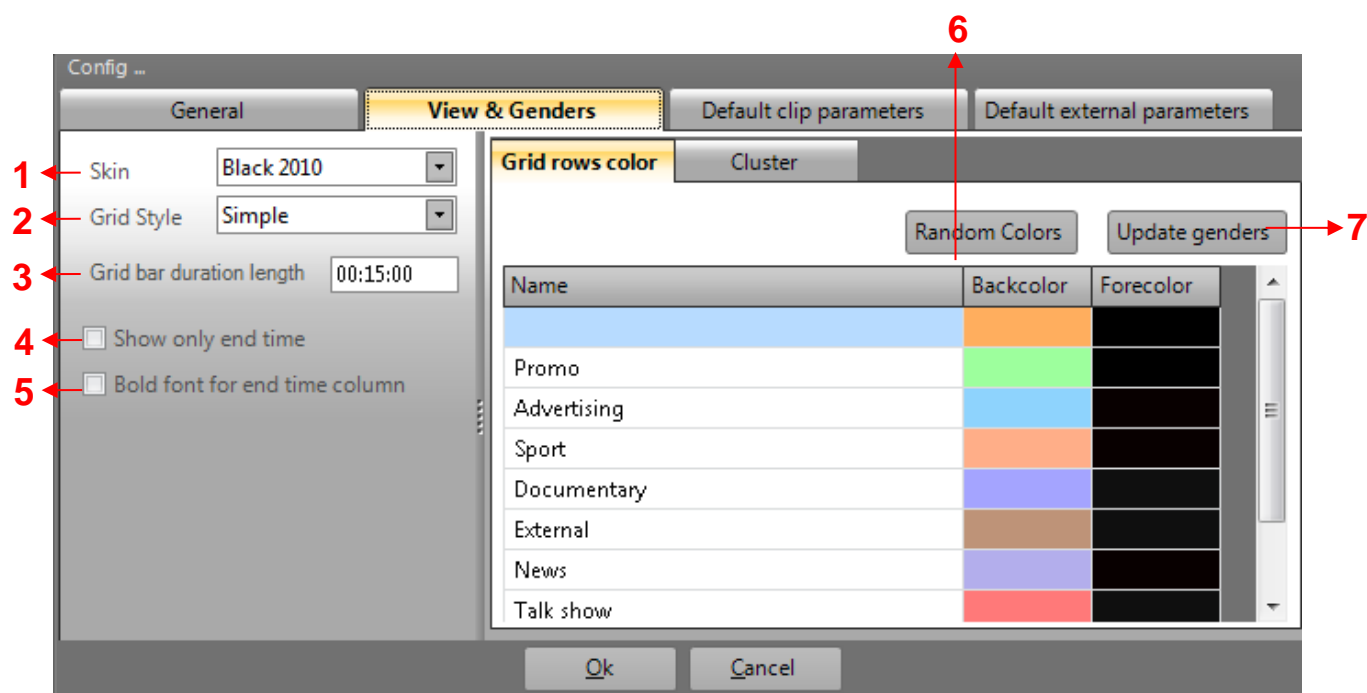
1	Select the program skin
2	Select the grid style
3	Set the duration length of the bar in the playlist
4	Enable / Disable displaying the start time in the grid
5	Enable / Disable using the bold font for the end time
6	Set Random Colours for the grid gender
7	Check and update the file genders in the playlist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

6.1.3 *DEFAULT CLIP PARAMETERS CONFIG*

1		Set the default logo and position for all the clips
2	**LOGO IN**	Set the default logo in a position for all the clips
	MARK IN	Set the default Mark In time for the logo in
	DURATION	Set the default Duration for the logo in
3	**LOGO OUT**	Set the default logo out and position for all the clips
	MARK IN	Set the default Mark In time for the logo out
	DURATION	Set the default Duration for the logo out
4	**EFFECT IN**	Select the default Effect In for all the clips
	DURATION	Set the default Effect In Duration
5	**EFFECT OUT**	Select the default Effect Out for all the clips
	DURATION	Set the default Effect Out duration

6.1.4 *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

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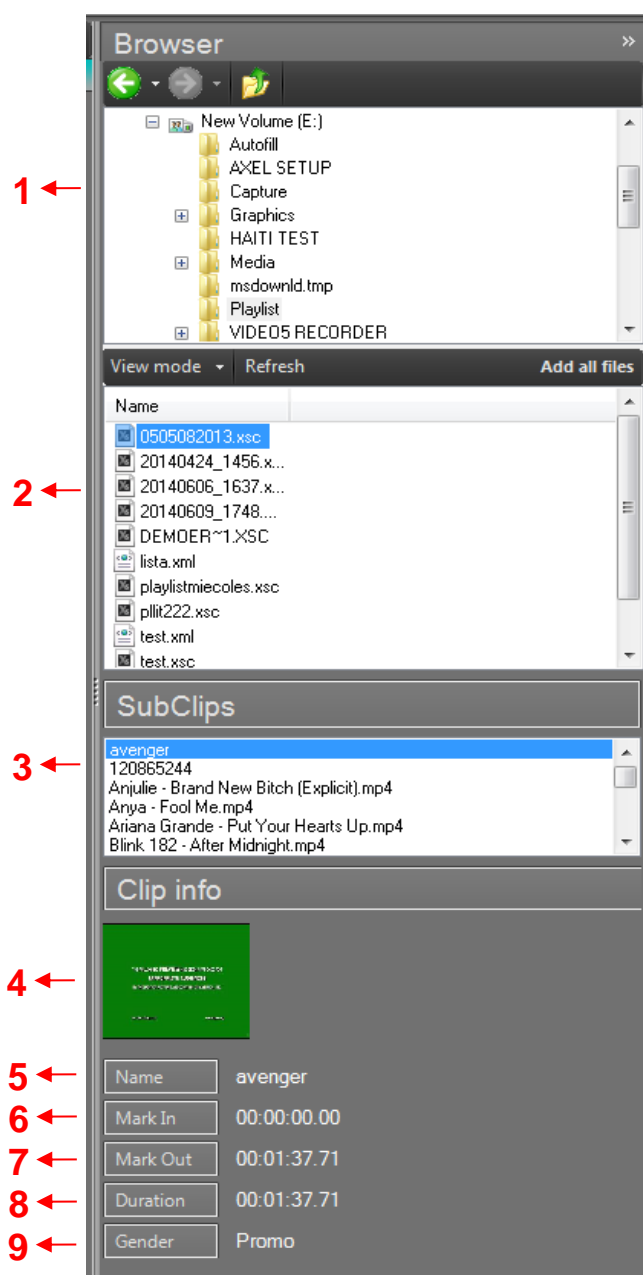
| 1	Folder list
2	File list in the selected folder
3	Subclips in the selected element
4	Preview of the selected subclip
5	Name of the selected subclip
6	Mark In of the selected subclip
7	Mark Out of the selected subclip
8	Duration of the selected subclip
9	Gender of the selected subclip

7 XEMERGENCY

| 1	Channel status
2	Display the VU Meters of the selected Playout
3	Display the audio level of the selected Playout
4	Launch Emergency for the selected Playout
5	Open the configuration panel for the selected Playout
6	Set XEmergency to manual or auto
7	Enable / Disable controls for all the Playout
8	Open the Notify Settings
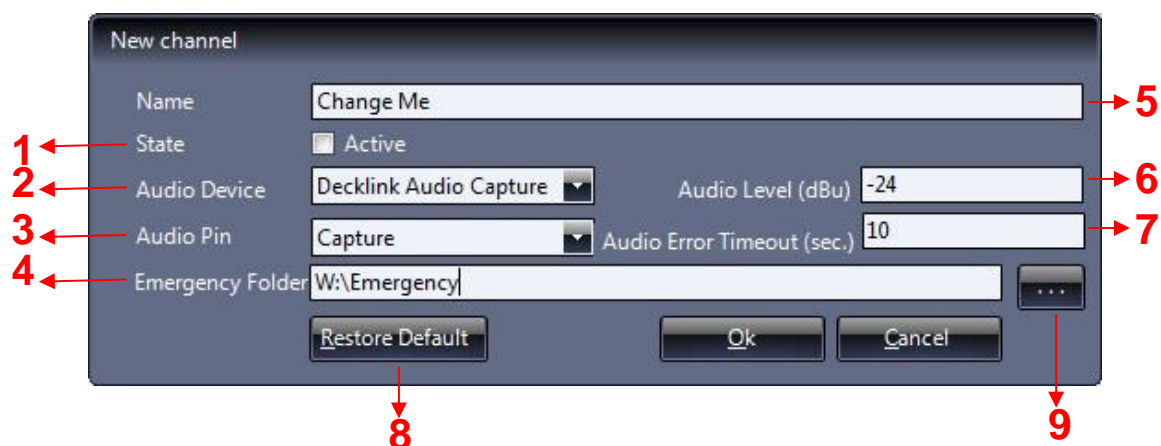
1	Channel Status
2	Audio Device to check
3	Device Audio Pin
4	Emergency Folder
5	Channel Name
6	Min Audio Level
7	Max Audio Error Timeout
8	Restore Default Settings
9	Browse folders for the Emergency
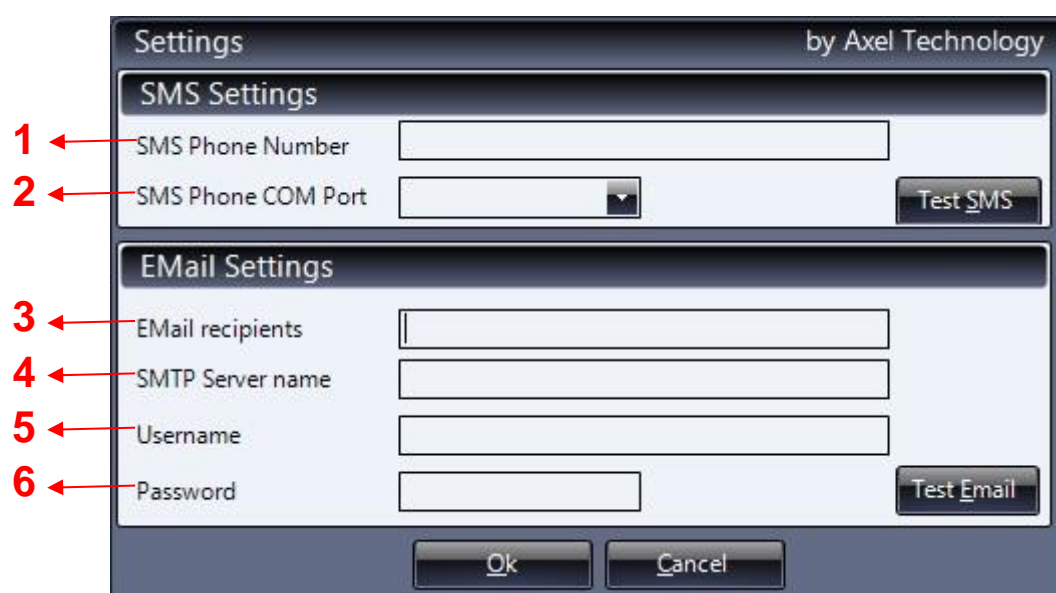
| 1	Set the phone number for the SMS notify
2	Set the Modem COM port
3	Set the E-mail address for E-mail Notify
4	Set the SMTP name for Mail notify
5	Set the E-mail username
6	Set the E-mail password

8 XROUTER
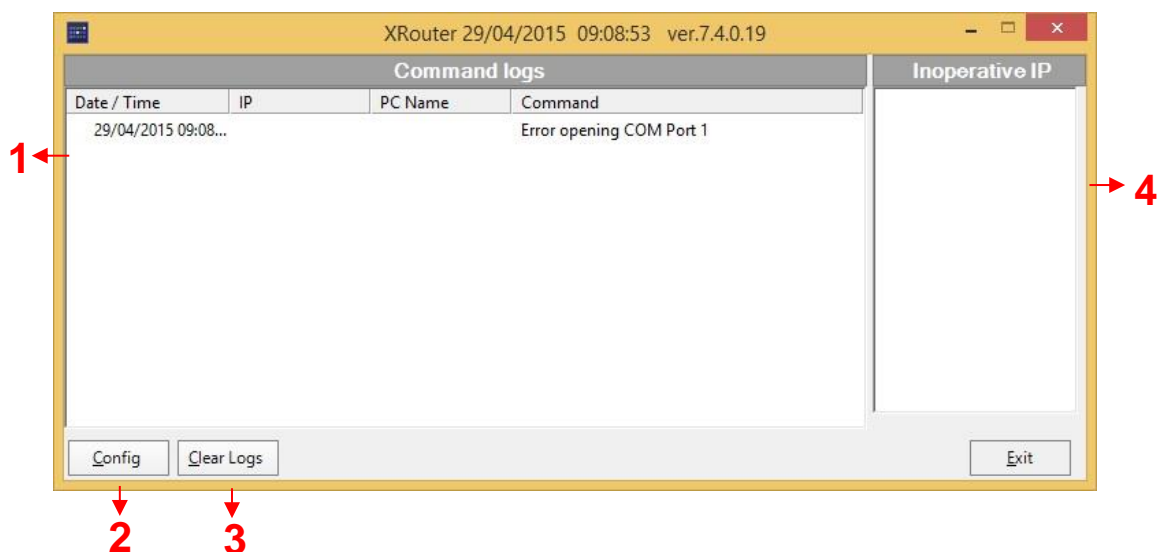
| 1	View the actual log
2	Open the configuration panel
3	Clear the logs
4	Show the IP of the PC to be ignored
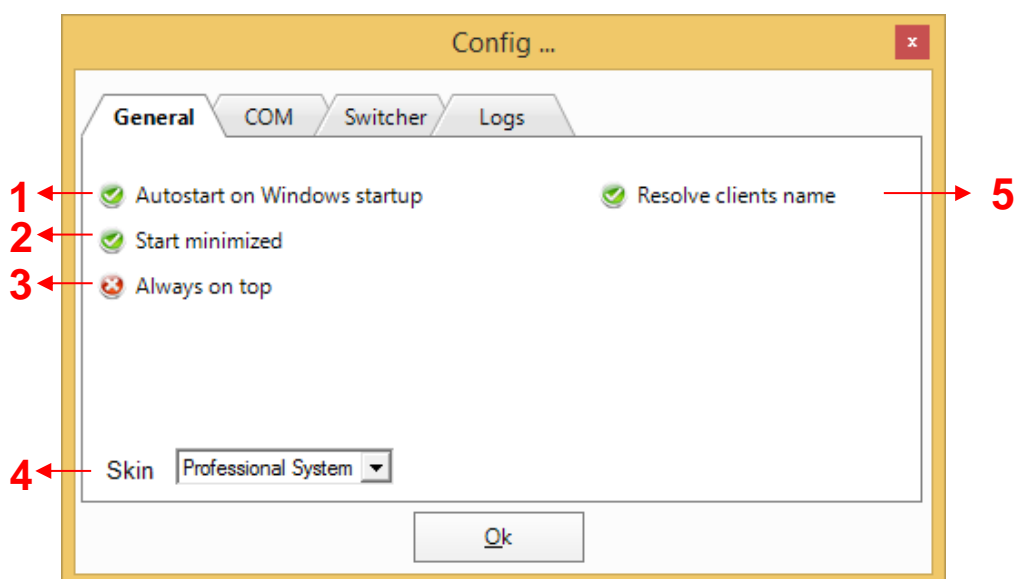
1	Enable / Disable the automatic start of XRouter with Windows
2	Enable / Disable the minimized start
3	Enable / Disable the view on top
4	Select the skin
5	Enable / Disable the DNS service
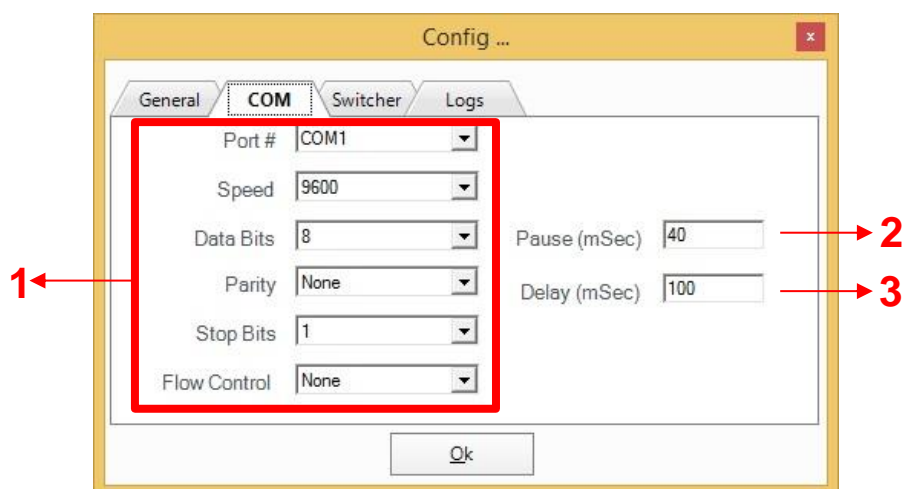
1	Set the COM Port Settings	
2	**Pause**	Set the Short Pause
3	**Delay**	Set the Long Pause
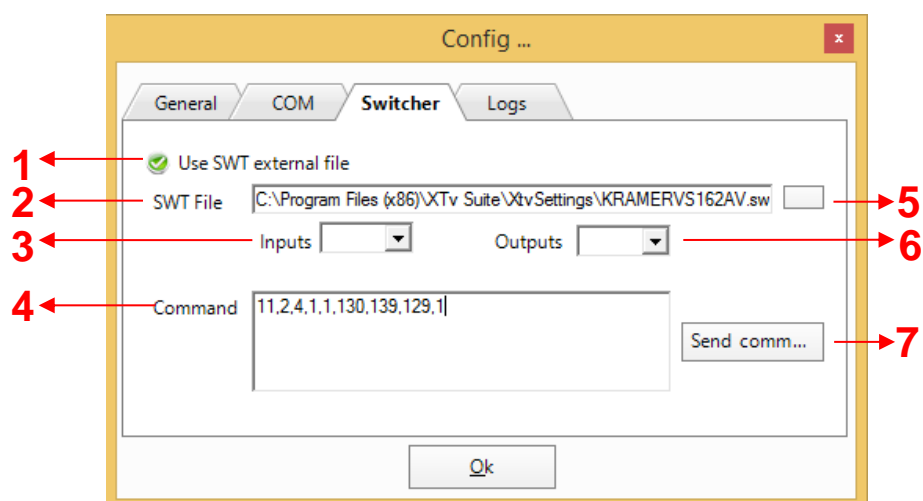
| 1	Syntax for known Routing Switcher(Only for Debug)
2	Show the path for the SWT file
3	Set the Input to Route
4	Insert the command to be sent to the Switcher
5	Open the browser for choosing the SWT file
6	Set the Outpute to Route
7	Send the selected command
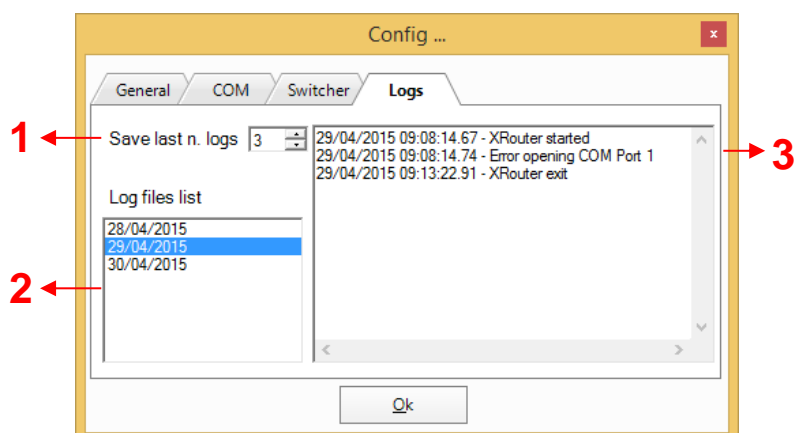
1	Set how many logs days to save
2	Shows the log file list
3	Shows the selected log

9 XREMOTE
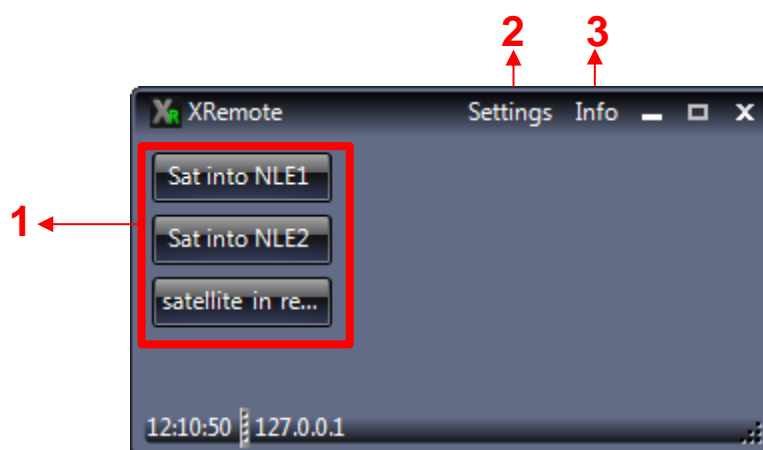
1	Commands to control XRouter
2	Opens XRemote Settings
3	Opens XRemote Info
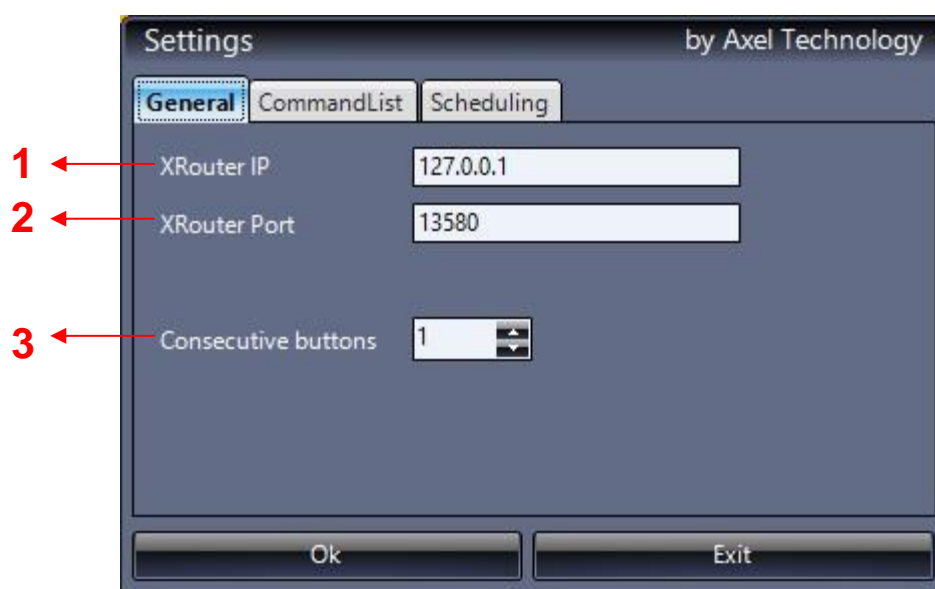
1	Sets the XRouter IP
2	Sets the XRouter Port
3	Sets the number of button columns you need in XRemote console
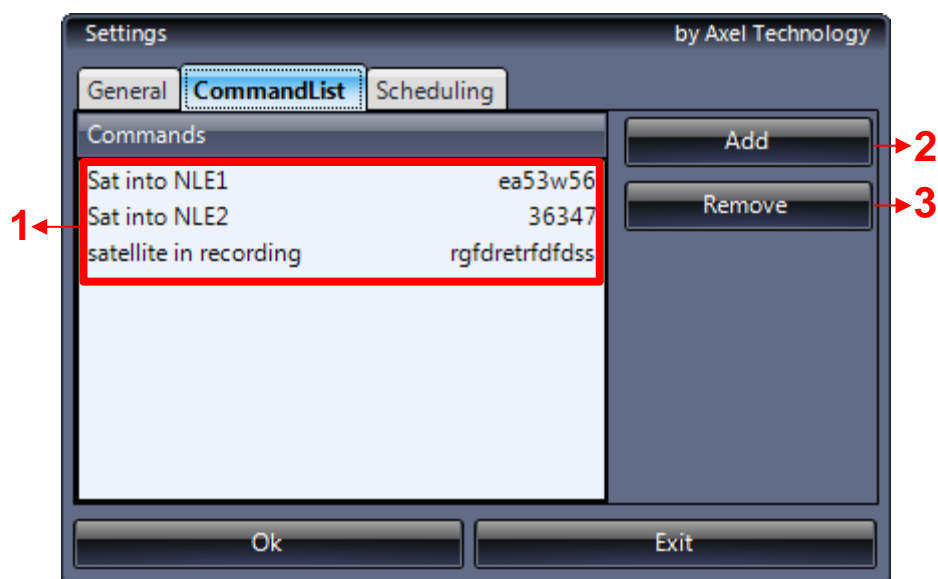
1	Command List
2	To Add a Command
3	To Remove a Command
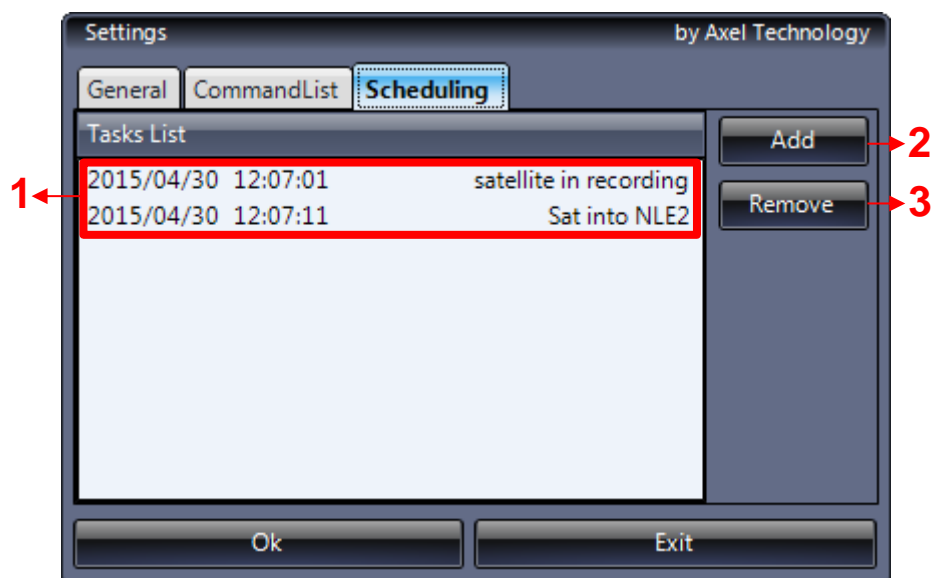
1	Task List in schedule
2	To Add a Task
3	To Remove a Task
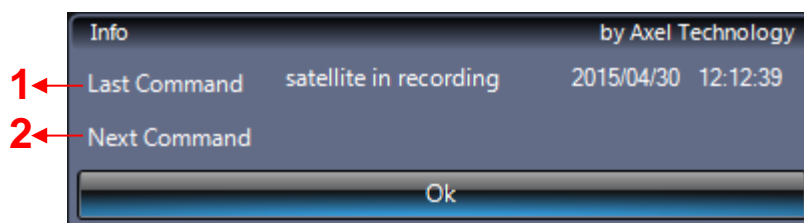
1	Last command sent by XRemote
2	Next command to be sent by XRemote

10   XINFO
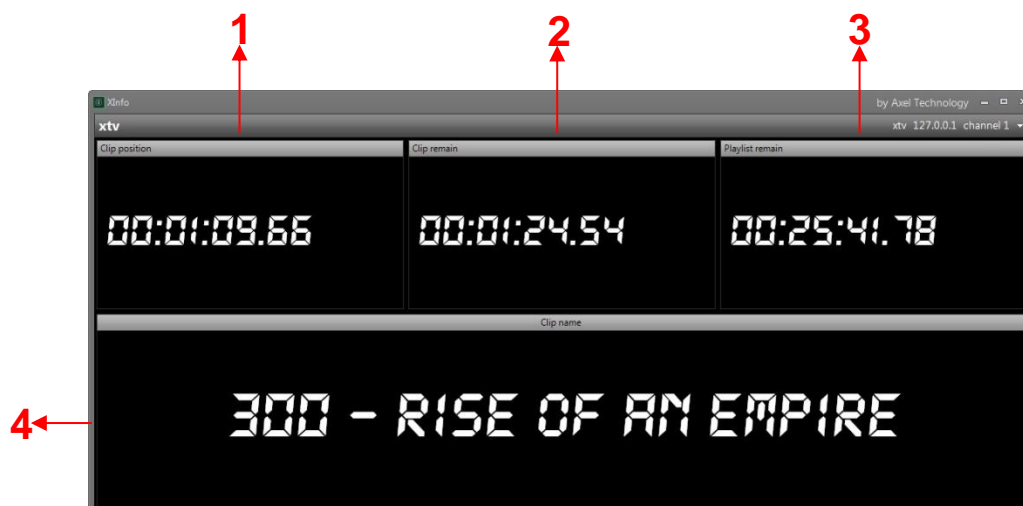
1	Display the position of the clip
2	Display the remaining time of the clip
3	Display the remaining time of all the playlist
4	Display the name of the clip

11   XLOGS VIEWER
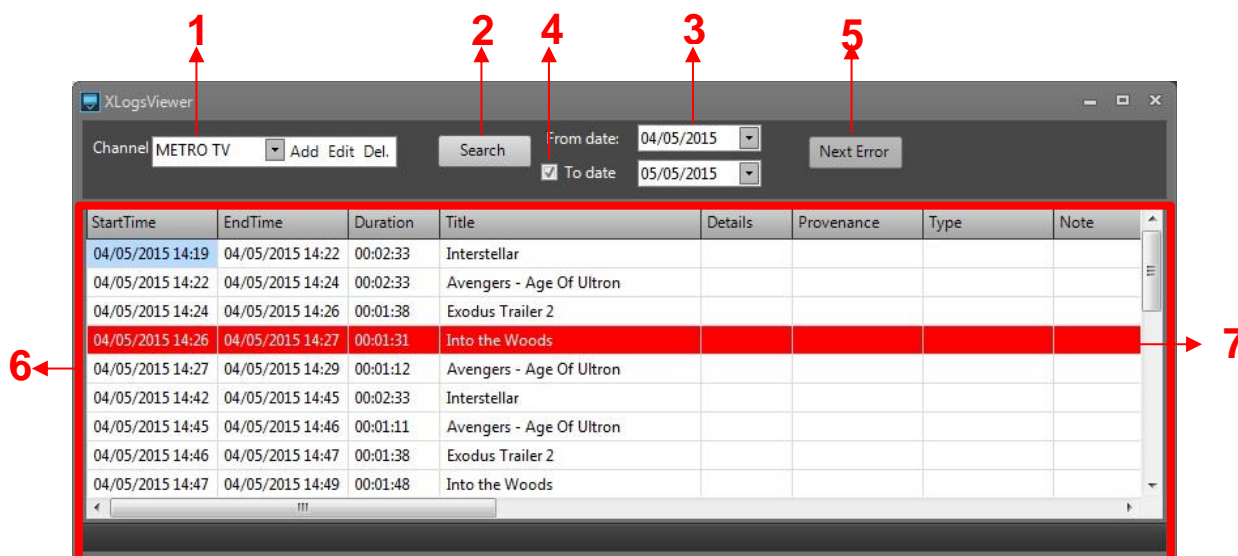
1	You can select for the channel wich you want to read the logs list
2	You can search for the Xplayout logs of the period selected in **3** and **4**
3	You can select the starting day of the list of logs
4	You can choose to have an ending day of the list of logs and you can select for it
5	You can directly pass to the next error highlighted in red
6	Display the list of logs
7	An example of an error

AXEL TECHNOLOGY

12 FINAL CONSIDERATION AND AXEL TECHNOLOGY CONTACT

Main Office BOLOGNA: Via Caduti Di Sabbiuno 6/F
40011 Anzola Emilia - Bologna - Italy
Tel. +39 051 736555 - Fax. +39 051 736170

For Technical information or support
support@axeltechnology.com

For General information and Sales dept
Sales@axeltechnology.com

www.axeltechnology.com