

KHRONOS A / AV USER MANUAL

bitonlive

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Khronos A / AV

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Function keys

0	Opening configuration panel
	Show program log
	Start recording
2	Recording End
	Stop recording in progress and a new one begins
Q	Activate the preview video
*	Activate the preview audio

Add a service



Click on the Channels menu and select Add Video or Add Audio to suit your needs.



Automatically opens the new channel window Click on config icon to open the Setup panel.

Settings

Set	tings Timest	stamp Save frame Input Device Presets		
Chan	nel Name			
		Maximu 90	ım Days Log	
1	LOGGING		٢	
2	LOGGING		۰	
3	LOGGING		٢	
4	LOGGING		٠	
		Start application		
Star	tup	✓ Delay (seconds) 0 ▲		
Appl	ication			
Arguments				
		Save and Close		

Name Channel Enter the name of the channel.

Set the maximum number of days to record. Once reach the limit, the program will automatically delete the oldest files.

Start External Application

Max Days Log

Select from the menu the execution mode:

- Startup: from the program startup
- Start recording: from the start of streaming or recording
- Start recording (first time): from the first execution of streaming or recording

Delay	Second delay to start the application outside of the start of	of the program

Application Select the path for the application starts

Topics Indicate any necessary arguments during launch

Timestamp

		_			
Settings	Timestamp	Save frame	Input Device	Presets	
Show					
х	Y				
20 🚔	20				
Header text		_			
Format (Defa	ult : yyyy/MM/	dd HH:mm:ss)			
yyyy/MM/dd H	IH:mm:ss	,			
Font			B	ack Color	
Alpha ForeCo	blor		Alpha B	lackColor	l
255			0		
200				•	
Show					
File					
x	Y	Width	Height	Sca	le
0 🗘	0	720 🗘	576	No	rmal 🔹
Alpha Fore		Alpha Back			
255 🚔		0			
				Save and Clos	Se

Show x / y If selected will be added overlay also text, date and time of recording.

× / v	It is the location to place the text
x / f	It is the location to place the text.
	X is the position from left to right
	Y is the position from the top downwards
Heading	This is the text that will be added before the date
Format	Format in which will be written the date and time
Font	Select the type and size of the font
Text color	Select text color
Background color	Select the background color
Alpha color text	255 is full color, 0 is transparent
Alpha color background	255 is full color, 0 is transparent

Save Frame

Settings Timestamp Save frame Input Device Presets	
✓ Frame extraction	
Frame save path	
Save interval (seconds)	
Save and Close	

Frame extraction Tick the box to enable the frame extraction

Frame save path Save folder

Save interval (seconds)

Time interval in seconds of frame extraction

Device

Settings	Timestamp	Save frame	Input Device	Presets			
Video Devio	e						
<none></none>							•
							- 2
Video Forma	t						
							
Audio Device	e						external audio
							-
Audio Forma	t						
48000 Hz, 2	Ch, 16-bit						-
						Init	Close
				Save and Close	2		

Video Device

Select the video input device

Video Format Selecti the video format

External Audio Tick the box to enable the external audio

Audio Device Select the audio input device

Audio Format Select the audio format

Press INIT to initialize the device.

Presets



This screen lists the different video format presets available for generating the outputs.

They are separated for Streaming and Logging.

New New	Add new preset
🤌 Modify	Modify the selected preset
Duplicate	Duplicate the selected preset, it create a new preset with the same configuration
💢 Delete	Delete the selected preset



In the preset window, it is possible to set:

Туре	Select the format type to use
Video codec	Select the video codec from the list
Video bitrate	Set the video bitrate
Audio codec	Select the audio codec from the list
Audio bitrate	Set the audio bitrate
Video format	Select the output video format
Audio format	Select the output audio format

Once set up the general input configuration, user can configure the output option.

Output Configuration

Click on toopen 🔅 the output setup window.

Tick Enebled to enable the input and select the output mode from the menu.

Settings Alarm	Codec Logging Schedule
- Enabled	
Mode	
Logging	
Autorup	Delay (seconds)
Autorum	
	Days
Eixed start	Max Length (minute)
	Save and close

Logging mode

Auto Start	If you selected when the software automatically start recording
Delay	Second delay to the start of the recording of the start of the program
Days	Number of days that must be kept in archives
Fixed Departure	If selected recording will begin the minute indicated
Maximum duration	Maximum recording time
Skimming mode	
IP Port	Enter the port that will receive commands start and stop recording
Auto Start	If you selected when the software automatically start recording
Days	Number of days that must be kept in archives
Streaming mode	
Auto Start	If you selected when the software automatically start recording
Delay	Second delay to the start of the recording of the start of the program

Alarms

Settings	Alarm	Codec	Logging	Schedule	
Min level audio -50 📡	Seconds m 5 🚔	in level audio			
Min video rate 0,00	Seconds m 60 🗧	in video rate			
Send Mail					
From					
alarm@radio.co	m				
To					
technical den@	Dradio com				
Contraction Party	,				
Outgoing SMTP	oon or				
	Server				
User				Password	
				_	
			SSL		
			002		
Save and Close					

Minimum level audio	Enter the audio level that triggers control fault
Seconds minimum sound level	Enter the time after which the system should send the alarm
Minimum rate video	Enter the minimum number of video rate that triggers the control of anomaly
Seconds minimum rate video	Enter the time after which the system should send the alarm
Send e-mail	If checked will be sent an e-mail alert
From	e-mail address of the sender
A	e-mail recipients, separated by commas if more than one
SMTP outgoing server	Enter the outgoing mail server for the address specified sender
User	User email account
Password	Password for the email account
SSL	Tick to send SSL

Codec

Settings	Alarm Codec Logging Schedule
Min level audio -50 🗲	Seconds min level audio 5 🚽
Min video rate 0,00 🚔	Seconds min video rate
Send Mail	
From	
alarm@radio.co	om
То	
technical dep@	Øradio.com
Outgoing SMTP	con or
	501701
1.1	Deres 1
User	Password
	SSL
	Save and Close

Select from the menu the preset already configured. It is possible to modify the bitrate and format value without having to create new presets.

Logging

Settings	Alarm	Codec	Logging	Schedule
Filename:				
Register A	udio / Video vir	tual sources		
				Save and close

Enter the path and the filename for the recording file.

Record Audio / VideoEnabling the field will be created an external audio / video virtual audio and videovirtual sourcesrecorded by Khronos

Streaming

Settings Alarm Co	dec Streaming Schedule
URL	
User	Password
Register Audio / Video virtual sou	rces
	Save and close
URL	Enter the URL addres for the streaming server
User	Enter the username (if required)
Password	Enter la password (if required)
Record Audio / Video	Enabling the field will be created an external audio / video virtual audio and video
virtual sources	recorded by Khronos



Schedules

Function enabled if the record type is skimming

Settings	Alarm C	odec Loggi	ng	Sche	dule]	
÷	Add	Delete		Modify			
Description	Start At	End At N	A T V	V T F	S S	Filename	Last execution
Sport News	08:20:	00 09:15:00 🔇				Z:\sportnews.asf	
Description							
Sport News							
File							
Z:\sportnews.a	sf						
🗹 Monday	🔽 Tuesday	🔽 Wednesday	V	Thursd	ay		
🗹 Friday	🗖 Saturday	🗖 Sunday					
Start At	End At						Save Cancel
08:20:00	09:15:0	00					
			S	ave an	d Clos	e	



Adds a new schedule

Delete the selected schedule



Edit the selected schedule

Description	Enter the name of the recording
File	Select the path and file to save the recording
Days enabled	Select the days in which to register
Start Time	Start time of the recording
End Time	End time of the recording

Skimming Commands

Every Program able to send UDP command can pilot the Skimming mod of Khronos.

Commands:

/CMD: <command/>	< command > = STARTREC		start the registration	
		STOPREC	stop the registration	
		PAUSEREC	pause the registration	
		RESUMEREC	resume the paused registration	
/FILENAME: <path></path>	<path> set the destination path and filename, if different from the default set in the configuration.</path>			
/TIMESTAMP:< command	< command > = ON add the timestamp in overlay			
>		OFF removes th	e overlay	