KGUARD SECURITY®

DVR

Easy Link Series

SUPPORT MANUAL

ENGLISH

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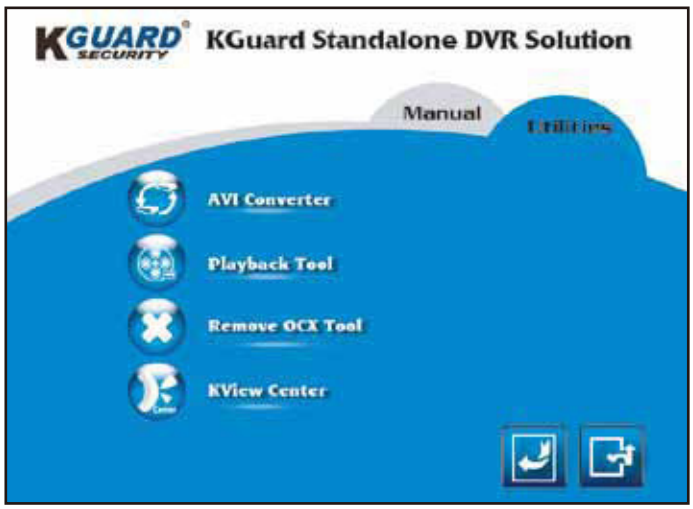
Multimedia Tools

The CD-ROM that came with your DVR contains free software. Install these software to your computer to convert recorded videos to AVI format and playback the files right on your desktop. Run the CD-ROM, the following screen appears.



AVI Converter

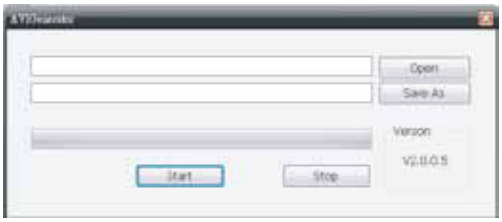
The AVI Converter allows you to easily convert DVR files (H.264 format) into AVI format which can be played back using standard video players.

Run the CD-ROM and install AVI Converter in your computer to start using the software.

How to Convert Files?

Note:
Before converting the files, make sure you have transferred the DVR files onto your computer.

1 Run the AVI converter tool. The screen below appears.

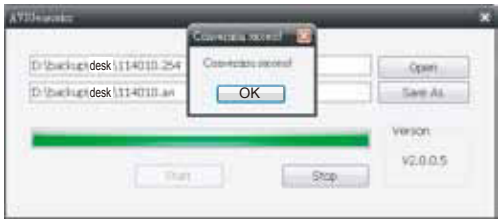


2 Click **Open**, and browse for the DVR file (H.264) you want to convert.

3 Click **Save As**, then type your desired filename.

4 Click **Start** to convert the DVR file to AVI format. The progress bar (on top of the Start button) indicates the conversion status.

5 When conversion is finished, the message below appears. Click **OK** to close the message.



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Playback Tool

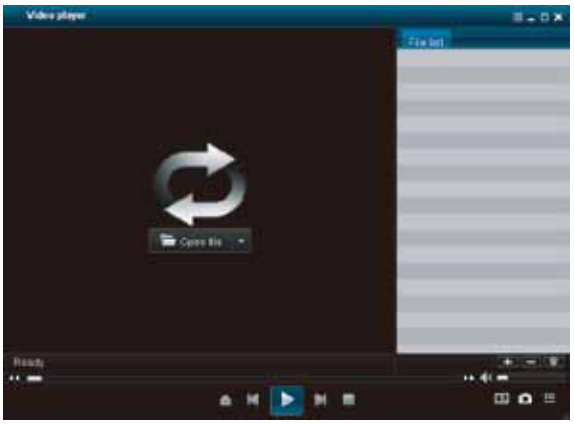
The Playback Tool allows you to play DVR files (H.264 format) in your computer.

Run the CD-ROM and install the Playback Tool in your computer.

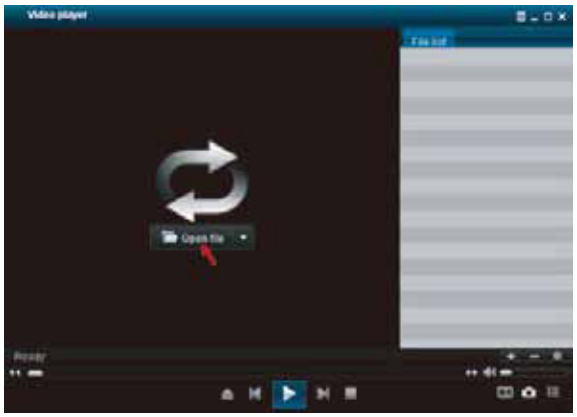
How to Play DVR Files?

Note:
Before proceeding, make sure you have transferred the DVR files onto your computer.

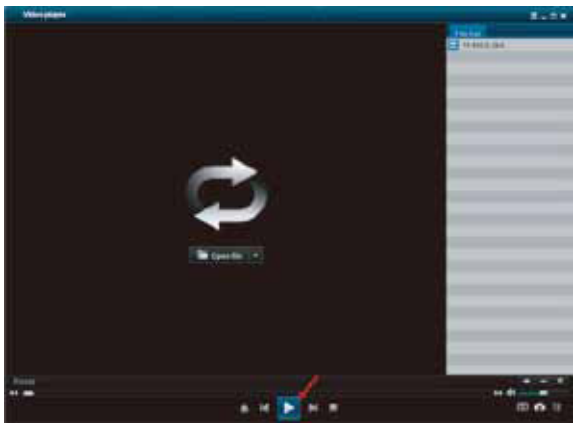
1 Run the Playback tool. The screen below appears.



2 Click **Open file**, and browse for the DVR file (H.264) you want to playback.



3 Click to start playback.

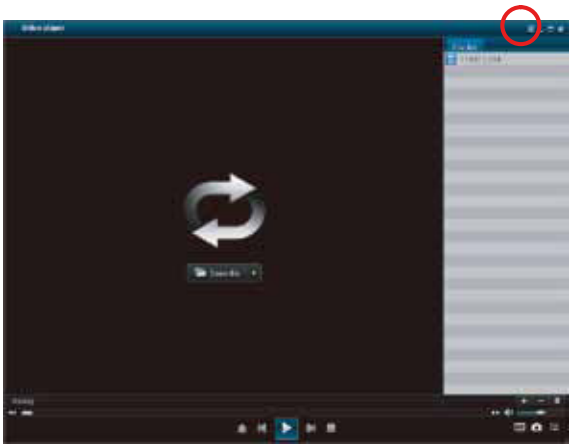


How to Ensure the Credibility of Recordings?

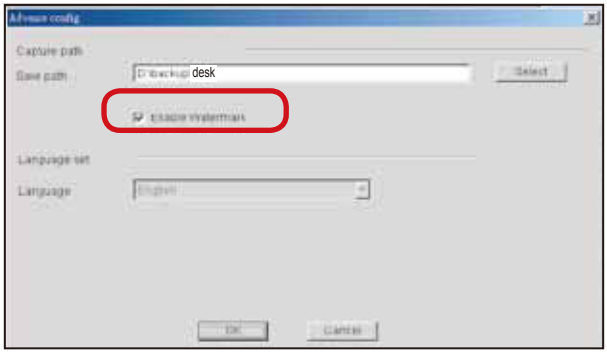
All videos are digitally watermarked to ensure the credibility of your recordings. The Playback Tool is an archive player with image authentication which allows you to access scenes on any computer without the need to install other player software.

How to Show Watermark in Videos?

1 Click the **Advanced Config** icon.



2 The Advance Config screen appears. Check the **Enable Watermark** box.



3 Click **OK** to close the Advanced Config screen.

4 Click to playback the video. The watermark is visible on the screen.

Note:
If a recorded video is edited, such as when a few frames are removed, the edited video can no longer be played back with this Playback Tool.

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Supported Devices List

HDD Support List

Below is a list of common HDD models that is supported by the DVR.

Brand	Model	Capacity	Buffer	Origin
Seagate				
Pipeline HD	ST3250312CS	250GB	8M	China
	ST3320310CS	320GB	8M	China
	ST3500312CS	500GB	8M	China
	ST31000322CS	1TB	8M	China
	ST1000VM002	1TB	64M	China
	ST1500VM002	1.5TB	64M	China
	ST2000VM002	2TB		
	ST2000VM003 6Gb/s	2TB	64M	China
Barracuda 7200.12	ST3250318AS	250GB	8M	China
	ST3500418AS	500GB	16M	China
	ST3500413AS/stat 6.0Gb/S	500GB	16M	China
	ST31000528AS	1TB	32M	China
	ST31000524AS/stat6.0Gb/s	1TB	32M	China
Barracuda 7200.11	ST3160813AS	160GB	8M	China
	ST3320613AS	320GB	16M	Thailand
	ST3500320AS	500GB	32M	Thailand
	ST3750330AS	750GB	32M	Thailand
	ST31000340AS	1TB	32M	Thailand
	ST31500341AS	1.5TB	32M	Thailand
Barracuda 7200.10	ST380815AS	80G		
	ST3250310AS	250GB	8M	Thailand
	ST3320620AS	320GB	16M	Thailand
Barracuda LP	ST32000542AS	2TB	32M	China
	ST2000DL003/5900R/6.0G/S	2TB	64M	China
Barracuda DM	ST500DM002/7200R/6.0G/S	500G	16M	Thailand
	ST1000DM003/7200R/6.0G/S	1TB	64M	China
	ST2000DM001	2TB		
Barracuda Green	ST500DL001/(HD503HI)	500G	16M	China
SV35.2	ST3160815SV	160G		
SV35.3	ST3250310SV	250GB	8M	China
	ST3500320SV	500GB	32M	China
	ST3750330SV	750GB	32M	China
	ST31000340SV	1TB	32M	China

Brand	Model	Capacity	Buffer	Origin
SV35.4	ST3320410SV	320GB	16M	China
SV35.5	ST3250311SV	250GB	8M	China
	ST3500410SV	500GB	16M	China
	ST3500411SV	500GB	16M	China
	ST31000526SV	1TB	32M	China
SV35	ST2000VX002	2TB	64M	China
	ST1000VX000/SATA6.0/S	1TB	64M	China
WD				
WD-AV	WD1600AVJS	160GB	8M	Thailand
	WD2500AVJS	250GB	8M	Thailand
	WD3200AVJS	320GB	8M	Thailand
WD AV-GP	WD2500AVVS	250GB	8M	Thailand
	WD3200AVVS	320GB	8M	Thailand
	WD5000AVDS	500GB	32M	Thailand
	WD5000AVVS	500GB	8M	Thailand
	WD5000AUDX(6.0Gb/s)	500GB	32M	Malaysia
	WD10EURX（6.0Gb/s)	1TB	64M	Malaysia
	WD10EVVS	1TB	8M	Thailand
	WD10EVDS	1TB	32M	Thailand
	WD10EURS	1TB	64M	Thailand
	WD15EVDS	1.5TB	32M	Thailand
	WD20EVDS	2TB	32M	Thailand
	WD20EURS	2TB	64M	Thailand
	WD20EARX	2TB		
WD Caviar Blue	WD1600AAJS	160GB	8M	Thailand
	WD2500AAJB	250GB	8M	Thailand
	WD2500AAJS	250GB	8M	Thailand
	WD3200AAJB	320GB	8M	Thailand
	WD3200AAJS	320GB	8M	Thailand
	WD5000AAKX	500GB	32M	Thailand
WD Caviar Green	WD5000AADS	500GB	32M	Thailand
	WD10EADS	1TB	32M	Thailand
WD RE4-GP	WD2002FYPS	2TB	64M	Thailand
Hitachi				
Deskstar	HDP725025GLA380	250GB	8M	China
	HDT721032SLA360	320GB	16M	China
	HDT725032VLA380	320GB	8M	China
	HDS721050CLA362	500GB		
	HDS721010KLA330	1TB	32M	Thailand
	HDT721010SLA360	1T		
	HDS721050CLA662(6.0 Gb/s)	500GB	16M	Taiwan

Supported Devices List

Brand	Model	Capacity	Buffer	Origin
CinemaSta	HCT721075SLA380	750GB	8M	Thailand
	HCS5C1050CLA382	500GB	8M	Taiwan
	HCS721050CLA382	500GB	8M	Taiwan
Samsung				
	HD502HI	500GB	16M	China
	HD503HI	500GB	16M	China
	HD103SI	1TB	32M	China
	HD204UI	2TB	32M	China
	HD502HJ/L/7200R	500GB	16M	China
Toshiba				
PC	HDS721010DLE630/3.5"/sata3.0	1TB	32M	China
	HDS721010DLE630/3.5"/sata3.0	1TB		Taiwan
WD - 2.5"				
AV	WD5000BUCT	500GB	16M	
	WD5000LUCT	500GB	16M	
WD BU (PC)	WD5000BPVT	500GB	8M	
Seagate - 2.5"				
Pipeline HD Mini	ST9500323CS	500GB	8M	
	ST500VT000/	500GB		China
Momentus 5400.6	ST9500325AS/SATA 3.0Gb/s	500GB	8MB	
Momentus 5400/pc	ST500LM012/SATA3.0Gb/s	500GB	8MB	
	ST500LM012/SATA3.0Gb/s	500GB	16MB	
Toshiba - 2.5"				
PC	MK5065GSX/SATA3.0Gb/S	500GB	8MB	
Hitachi - 2.5"				
Travelstar/(PC)/7mm	HTS545050A7E380/SATA3.0Gb/s	500GB	8MB	China

Note:

- The hard disk drive must at least have a minimum capacity of 250 GB.
- The supported list above may have been updated since the time that this documentation has been written.

USB Device Support List

Below is a list of common USB 2.0 device manufacturers that is supported by the DVR.

Brand	Model Name	Capacity
Kingston	DataTraveler G3	16G
	DT 101 G2	16G
	DataTraveler G3	2G
	DataTraveler G2	2G
	DataTraveler G3	32G
	DT 101 G2	32G
	DT 101 G2	4G
	DataTraveler G3	4G
	DT 101 II	4G
		4G
	DataTraveler C10	8G
	DataTraveler 120	8G
	DataTraveler G3	8G
	DataTraveler G2	8G
		8G
PNY		4G
		8G
	Lovely Attache	8G
		1G
ADATA	C802	4G
	C906	4G
	C008	4G
	C903	4G
	C003	4G
	C802	8G
		8G
	C906	8G
	C008	8G
	C802	2G
Apacer		4G
		8G
		16G
		2G

Supported Devices List

Brand	Model Name	Capacity
Sandisk	Cruzer Edge	4G
	Cruzer Blade	4G
	Cruzer	4G
	Cruzer Edge	8G
	Cruzer Blade	8G
	Cruzer Edge	16G
	Cruzer Blade	16G
		2G
	Cruzer Micro	2G
HP	v225w	8G
	v117b	16G
	v115w	2G
SONY		4G
		8G
		64G
Lenovo		4G
		8G
		2G
SSK		8G
		1G
Transcend		8G
		2G
Kingmax		8G
		2G

USB External Storage Support List

Device	Chipset	2.5" SATA HDD	Capacity
USB External Storage	P/N:9SD2A3-500 S/N:2GH20HT2		320G
	GL830 MN2AB03G03	Seagate ST9160821AS	160G
	GL830 MN1AA02G02	Seagate ST9160821AS	160G
	JM20316	Seagate ST9160821AS	160G
	JM20329	"SeagateST9160821AS"	160G
	SUNPLUS SPIF215A－HF021	Seagate ST9160821AS	160G
	SUNPLUS SPIF225－HF021	"SAMSUNGHM160HI "	160G
	INITIO INIC－608L	HITACHI HTS543216L9A300	160G
	PL2751 LF07293A GP3PM31	Seagate ST9160821AS	160G
	PL2751 LF07433A GP3WP31	"SeagateST9160821AS"	160G

Note:
The supported list above may have been updated since the time that this documentation was written.

DVD R/W Support List

Device	Chipset	Model
DVD R/W	BenQ	TW200D
	Iomega	DVDRW8X-U
	LITEON	iHAS120
	PIONEER	DVR-216CHG
		DVR-216BXL
		DVR-S16FXB
	SAMSUNG	TS-653B

Note:
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For backup only

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Customer Support

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