

# SO SMART PVR



Wireless Multimedia Hard Disk Drive & Video Recorder Disque Multimedia Lecteur & Enregistreur Sans Fil

Quickstart Guide

Guide de prise en main rapide











Player

Recorder

iPod Dockstation

**NAS** 



ENGLISH	4
FRANÇAIS	29
ESPAÑOL	55
NEDERLANDS	81
Other languages preloaded on the hard disk or CD ROM	
Autres langues préchargées sur le disque dur ou le CD ROM	
Otros idiomas precargados en el disco duro o CD-ROM	
Outras línguas preloaded no disco rígido ou CD-ROM	
Andre sprog indlæst på harddisken eller cd-rom	
Andere Sprachen vorinstalliert auf der Festplatte oder CD-ROM	1
Andere talen voorgeladen op de harde schijf of cd-rom	
Altre lingue precaricato sul disco rigido o CD-ROM	

שפות אחרות טעון מראש על הדיסק הקשיח או תקליטור

## Safety Notes

The following are to protect safety of user and to prevent damages to property. Use product properly after carefully reading the following contents.



Warning

Violating instructions may lead to serious injury or death.



Caution

Violating instructions may lead to slight injury or damage to product.

#### Instructions:



Act prohibited



Contact by wet hand prohibited

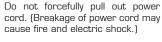


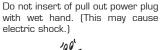
Modification prohibited



Power plug to be separated from power outlet

Do not connect a number of power plugs at the same time. (This may generate heat or cause fire.)





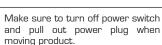


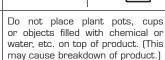






Do not insert power plug if it fits loose to power outlet. (This may cause fire or electric shock.)











Clean the outside of product by wiping it with lightly wet or dry towel. (Using detergent for grease removal, thinner or heavily wet towel, etc. may cause breakdown of product

Product must not be disassembled. repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)



Do not forcefully bend the connected power cord or have it pressed down by heavy objects. (This may cause fire or electric shock.)





## Safety Notes

SO BY DANE-ELEC

The following are to protect safety of user and to prevent damages to property. Use product properly after carefully reading the following contents.



Warning

Violating instructions may lead to serious injury or death.



Caution

Violating instructions may lead to slight injury or damage to product.

## Instructions:



Act prohibited



Contact by wet hand prohibited



Modification prohibited



Power plug to be separated from power outlet

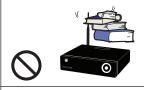
Do not drop objects on top of product or exert impact to product. Keep product away from severe vibration or magnetic objects.)



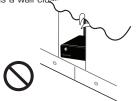
Do not place plant pots, cups or containers filled with chemical or water, etc. on top of product. (This may cause fire/ electric shock. Falling of the objects may also cause injury.)



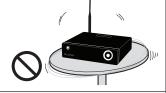
Do not place heavy objects on top of product. [Falling of objects may cause injury.]



Do not cover up product or install it in places with poor ventilation, such as a wall closet



Install product in level and stable place. (Otherwise, product may not operate normally.)



Product must not be disassembled, repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)



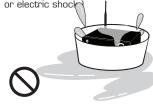
Do not install product in places where temperature is too high (35° or higher)/ too low (5° or less) or humidity is high.



Do not install product under direct sunlight or near objects of heat, such as lit candle, cigarette or fire,



Do not place product in water. (This may cause breakdown of product or electric shock





- 1- External Hard Drive
  - 2- Remote Control
- 3- A/C Adapter (EUR & UK)
  - 4- USB cable
  - 5- Audio/Video cable
    - 6- HDMI Cable
  - 7- Quick Start Guide
    - 8- CD-ROM
    - 9- Batteries
    - 10- USB Antenna







Using So Smart PVR, you can record a film you are watching on real-time basis with a single remote control button. Also, while record is in progress, you can check the film being recorded. Using Recording library menu, you can view title of the film being recorded. By playing the title of the recorded film, you can view the film per stage in slow motion with the Slow key on the remote control. This function is convenient to use when watching sports with fast actions.



The new SmartLive function has been created to use the massive media data that exist in the Internet, such as You Tube media files and Picasa serviced by Goggle, etc. We will provide you with better and greater service through continuous update.



So Smart PVR supports time shift function. The film you are watching can be temporarily stopped on a real-time basis. The time shift function will allow you to stop watching a TV show at any point (for a unexpected reasons) and allow you to continue where you stopped at a later stage so as to ensure that you do not miss out on the TV show. During time-shifting mode you can also rewind or use slow motion in progress. (Time shift does not create recorded file.)



So Smart PVR supports scheduler function that executes recoding by automatic booting on the preset date and time, even when the product function has been stopped.



So Smart PVR supports the basic function to easily edit video content. You can simply cut, separate, split, merge and copy video content by using the buttons on the remote control.



So Smart PVR supports UPnP server functions. So Smart PVR supports free DDNS so that you can connect to the internal HDD of the PVR not only from your local PC, but also from any PC with a Internet connection. This function can be used from an external device that supports UPnP client.



The built in iPod dock makes it possible to use your iPod on the So Smart PVR. When using a iPod that supports TV-OUT function you can easily display your iPod video content on your TV. Ipod recording and charging functions are also supported. The So Smart PVR remote also controls many of the iPod functions.

Dane-Elec Information System does not hold responsibilities for recording commercial broadcasting contents and showing them for illegal/commercial purposes rather than personal/non-commercial use or trading the recorded contents illegally. Note that the person recording the contents shall wholly assume civil accountability/ criminal responsibility.





#### Multimedia library

High Resolution HD-level File Play: So Smart PVR supports the max. of 1920X1080 interface scan to provide clear and high resolution picture quality.



#### Supporting Diverse Movie Format Types

So Smart PVR supports a variety of HD files, such as TP, TS and TRP files, but also MPEG, Divx (3/4/5), Xvid, DAT, ISO, DVD (VOB, IFO) and MKV / WMV / ASF / MOV (if using Dane-ElecFTS), etc. You can conveniently enjoy watching movies anywhere as long as you have access to a display device, such as TV, etc. (supporting SD-level film play for MKV).



#### Convenient Copy

So Smart PVR allows you to copy a recorded media file (with FAT32 partition) to a network-connected PC. Also, you can copy files by high-speed from PC to So Smart PVR HDD or to USB storage device connected to So Smart PVR.



#### Supporting Diverse Music Files

So Smart PVR supports a variety of music sources, such as MP3, OGG, WAV, WMA, AC3 and DTS, etc. As the player supports fast rewind/ forward functions, you can quickly find the desired part you require for listening.



#### Digital Photo Album

So Smart PVR supports the upgraded JPEG and BMP image files. The entire family can enjoying watching the files through TV, etc. Also, vertically photographed filed can be rotated in screen for viewing without requiring modification.



#### Network-shared File Play

Files shared on a network can be played through wired/ wireless means without having to move them to the So Smart PVR hard disk.



#### Supporting USB Host

So Smart PVR supports 2 USB2.0 hosts. By connecting USB external storage devices, you can easily add additional storage to the So Smart PVR and play the files on the external USB devices. A USB type memory card reader, etc. can also be used.



#### Supporting High Resolution HDMI

Built in with HDMI terminal for digital signal output, So Smart PVR enables you to enjoy video content with better picture quality.



#### 5.1CH Audio Output and Down Mix Function

So Smart PVR provides 5.1CH AC3 audio and DTS, etc. Also, down mix function lets you play 2CH audio through TV, etc. without requiring an additional decoding device, such as amplifier, etc. (optical, coaxial).



"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

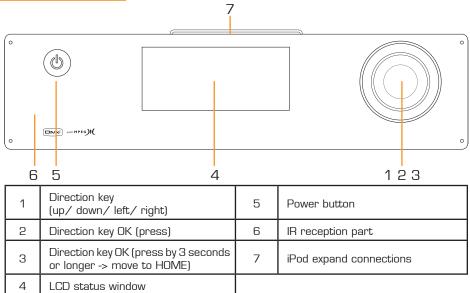
iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

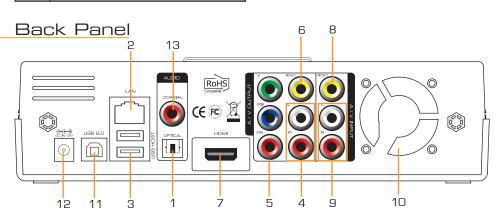


1	Contents with copyright, such as music sources or media contents, etc., are protected pursuant to the related laws and regulations, such as Copyright Act, etc. The legal responsibilities in violating copyright or intellectual property right by using this product shall be assumed by the user.
2	Make sure to check CODEC of the file to be played. This product does not support media files of all CODEC types. Only the playable CODEC files must be used. Change media file or CODEC that is not supported into the supported file by using specific utilities, etc. Even if CODEC is playable, the file may not be successfully played according to file characteristics or user environment.
3	When removing USB after connection to a PC, make sure to protect data and prevent erroneous operation of product by removing safety device. Also, make sure to turn off power of product when connecting or disconnecting separate storage devices to USB host of product. Otherwise, it may cause erroneous operation of product.
4	The HDD inside of your So Smart PVR is a 3.5" SATA HDD. It's already formatted and ready to used. Becarefull format erases all data. Make sure to back up before.
5	This product uses a Windows PC and network sharer function. Network sharer may not operate normally due to error in Windows program or user environment. Dane-Elec is not liable for this.
6	Save data stored in this product separately in a safe location. Dane-Elec does not assume responsibilities for loss of or damage to the stored data.
7	Do not drop or exert impact to product. This may cause breakdown of product.
8	Protect inside of product from metallic objects or combustible foreign substances, etc. This may cause fire or breakdown of product.
9	Do not randomly disassemble, modify or repair product. This may cause breakdown of product. After-sale service will be provided at cost for breakdowns caused by random disassembly, modification or repair.
10	Keep product not to be in contact with water or liquid. Also, do not use product in a humid area. This may cause fire, electric shock or breakdown of product.
11	Do not clean the surface of product with chemical substances or detergents. This may damage the surface of product.
12	Do not expose product to high heat or direct sunlight. Long-term storage or use in high temperature may cause breakdown or disable successful file play. Make sure to use product in a well-ventilated area.
13	Do not leave product near highly magnetic objects. This may lead to data loss and breakdown of product.
14	Connect all cables when power to So Smart PVR and TV is turned off. So Smart PVR can be used as a multimedia player and a mobile disk when connected to PC. However, both functions cannot be used simultaneously.
15	Product may not operate successfully if used for a long period of time or used in areas with harmful elements. If buffering occurs, stop operation and restart product. Or rebooting is also recommended.



## Front Panel





1	Optical terminal	8	Input composite terminal
2	10/100Mbps LAN port	9	Input stereo RCA terminal
3	USB2.0 A-type 2-port host	10	Fan
4	Output Stereo RCA terminal	11	USB 2.0 A-type slave
5	Output Component terminal	12	Power
6	Output Composite terminal	13	Coaxial terminal
7	HDMI terminal		



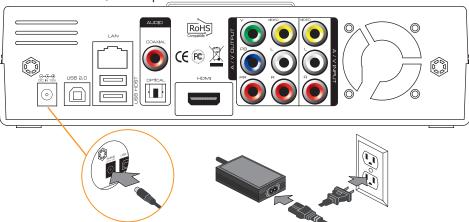
## **Specifications**

Product Name	So Smart PVR	
Operating System	Linux	
File Format	Recording Partition : File Partition : FAT32	UDF (UNIX file system) 2 / NTFS
iPod Dockstation	Compatible iPod, iPo	d Classic, iPod Touch
	Recording Mode	HQ, SP, LP, EP, SLP
Encoding (Recording)	Video	MPEG II (PAL 720x576, 352x576 / NTSC 720x480, 352x480)
	Audio	MPEG II (48KHz Stereo 256Kbps / 192Kbps)
Supported Files	Video	MPEG2 HD(ts,tp), Xvid HD(avi), MPEG1/2 (dat,mpg.vob.ifo.iso), DivX (avi, DivX certified to play DivX video), Xvid(avi), MKV(NOT H.264), (Dane-ElecFTS use: MKV(H.264 720P), RMVB, MOV,WMV)
& Formats	Audio	MP3, WMA, ACC, OGG, WAV, AC3, DTS decoding including down-mixing, DTS pass through
	lmage	BMP, HD JPEG/JPG,GIF,PNG,TIFF/TIF(Progressive JPEG not supported)
Video Input	Composite	
Subtitles	SRT, SUB, SSA, SMI	SAMI, SRT multi files, SUB+IDX
Video Output	Composite, Compon	ent, and HDMI With CEC
Audio Output	Analog	Stereo RCA
Audio Output	Digital	Coaxial, Optical
TV System	NTSC, PAL, or HDM	I AUTO
Lii Def Decedies	HD Component YPb	Pr (720p,1080i) / HD HDMI (720p,1080i)
Hi-Def Decoding	WMV, ASF, AVI and	MP4 formats
Audio Decoding	MPEG-1 and MPEG-2 Layers I, II and III (MP3), MPEG-2 BC multi-channel layers I, II and III, MPEG-2 and MPEG-4 AAC-LC,WMA9 and WMA9 Pro decoding	
Networking	Wire	Ethernet (10/100) LAN via RJ-45 Port
Networking	Wireless	Wireless LAN
Network Security	Wireless: WEP, WPA	Α,
Network Protocol	Wireless : IEEE802.11N, 3dBi USB antenna Wire : 10/100Mbps Fast Ethernet (RJ45) TCP/IP (DHCP client mode, Manual IP mode)	
Hard-Disk Type	3.5" Internal SATA I/II	
USB Interface	USB2.0 host, USB2.0 Slave	
Power	Adapter : Input : AC	100V-240V, 50/60Hz Output : DC 12V, 3A, DC In : 12V
Dimension	225mm(W) X 200n	nm(H) X 59mm(D)

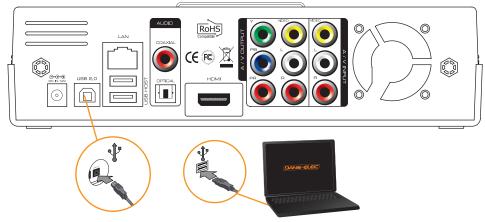
## Connect to your PC:



Connect the A/C adapter



Connect the USB Cable



Disconnect the So Smart PVR:

1: Click on



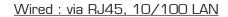


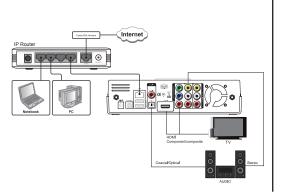




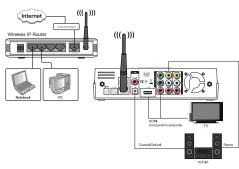


Connect to the network





## Wireless: via WIFI

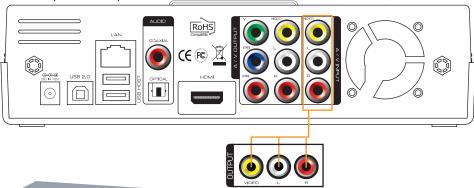






## Inputs/outputs:

Composite Output Device Connection to Video In (Video IN)



IPTV Set Top Box Input Device Connection

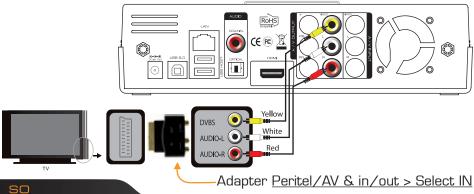
Only composite connection input is possible. Therefore, composite input terminal must be connected to So Smart PVR in the set top box. In set top box, connect yellow cable for video signal output as well as red and white cables for audio signal output. Then, to A/V INPUT terminal at the back of So Smart PVR, connect yellow, red and white cables accordingly.

## Bypass Support (Composite => Power Off => Composite)

Even when So Smart PVR power is turned off, signals sent into A/V Input are still transmitted. Bypass function of So Smart PVR can be activated only when using composite input and output. If So Smart PVR power is on, all outputs to HDMI/ component/ composite are supported.

Connection to a TV

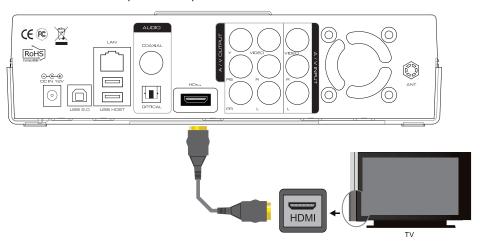
If you have to use a scart adapter, please follow this process :





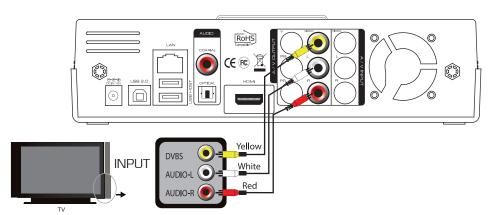
## Inputs/outputs:

• HDMI and Composite Output Connection



#### **HDMI Cable Connection**

Connect HDMI cable to HDMI terminal at the back of product. Connect the remaining cable terminal to HDMI terminal at the back of digital TV. Make sure to carefully distinguish between input and output terminals.



## **Composite Cable Connection**

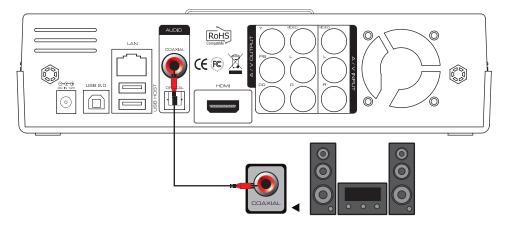
Connect yellow cable for video signal to the terminal located at the back of side of TV. Then, select external input of TV. Connect the remaining red and white terminal cables to the left/ right and audio output terminal at the back of the device. Then, connect red and white cables to the left/ right terminal of DTV input or component audio input located at the back of digital TV.



## Audio Output Connection:

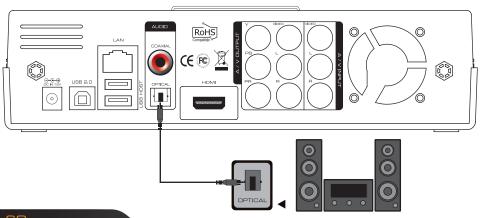
### Coaxial Cable Connection :

You can enjoy high-quality sound 5.1CH if the audio device is an amplifier or a receiver with coaxial cable input terminal. Connect coaxial cable to Coaxial of So Smart PVR as shown above. Then, connect amplifier or receiver to enjoy 5.1CH.



## • Optical Cable Connection :

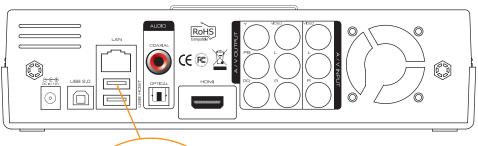
You can enjoy high-quality sound 5.1CH if the audio device is an amplifier or a receiver with optical output cable input terminal. Connect optical cable to Optical, the optical output terminal of So Smart PVR as shown above. Then, connect amplifier or receiver to enjoy 5.1CH.





## USB WIFI 11N Antenna Connection:

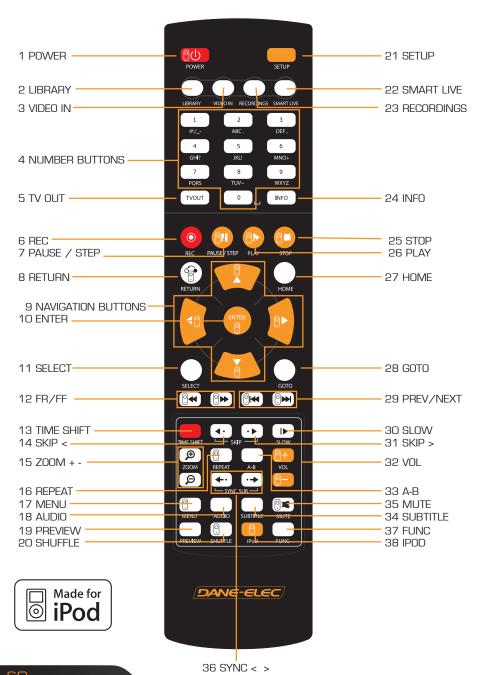
• USB 11N Antenna Connection :







## Remote Control Functions:





N°	Button	Fonction
1	<ul><li>①</li><li>①</li><li>①</li><li>①</li><li>①</li><li>①</li><li>①</li><li>②</li><li>①</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>③</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li><li>②</li>&lt;</ul>	POWER: To turn on/ off power or stand-by mode
2		LIBRARY: Shortcut to LIBRARY menu
3		VIDEO IN: Shortcut to DIGITAL RECORDER menu
4	0 ~ 9	NUMBER BUTTON: To press buttons for numbers 0 ~ 9
5	TVOUT	TVOUT: Toggle Video Output Modes (HDMI, YUV, AV)
6		REC: To start recording/ repetitive pressing for recording by one-touch recording (OTR) with the fixed value of 30min/60min/90min/120min/180 min
7	© II	TEMPORARY STOP: To stop screen temporarily/ repetitive pressing for moving screen per 1 frame
8	9	RETURN/ CANCEL: For returning
9	0	DIRECTION KEY: To move and select cursor
10	ENTER O.	ENTER: To confirm selection/ play
11	SELECT	SELECT: To select files to be copied when using copy function
12	<b>◎◆ ◎▶ ○</b>	F.B / F.F: 1.5x/2x/4x/8x/16x/32x speed, function available in mp3 as well sound output available in 2x speed
13		TIME SHIFT: Stop watching TV at any point and continue where you stopped at a later stage
14	4.	SKIP <-: To go back to screen in play by 10 seconds
15	Q Q	ZOOM + / - : To enlarge and reduce screen/ repetitive pressing for adjusting zooming +/ - percentage/moving to position of enlarged output by using direction keys.  Function available for use during film/ photo file play (2x/3x/4x/8x)
16	<u>@</u>	REPEAT: To repeat file in play or to repeat all media files in the corresponding folder



17	0	MENU: To change or set DVD file menus by moving to MENU screen during DVD(VOB) file play
18		AUDIO: TO change or select audio tracks of file in play
19	0	PREVIEW: To turn on/ off preview screen automatically displayed in media play file search mode
20	<u> </u>	Shuffle: To change play sequence to shuffle (for iPod only)
21		SETUP: Function available when playing media file or using menu's in VIDEO IN screen to display various setup screens
22		SMARTLIVE: Shortcut to SMARTLIVE menu
23		RECORDINGS: Shortcut to RECORDINGS menu
24	[INFO]	INFO: To display the current status function available while recording is in play/ repetitive pressing for displaying network status/ to hide or display OSD of TIME SHIFT function
25	<u> </u>	STOP: To stop file in play
26	9	PLAY: To play the selected file
27		HOME: To go to main screen or to display the projected main screen
28	0	GOTO: To select file in the same title or to execute shortcut to the already designated chapter position/shortcut to the desired time position
29		PREV/NEXT: To move to previous file (list) or next file (list)
30	IÞ.	SLOW: Repetitive pressing for play in slow motion by 3/4x / 1/2x / 1/4x / 1/8x / 1/16x / 1x in sequence
31	••	SKIP ->: To advance screen in play by 30 seconds
32	<u>@</u> +	VOL: To adjust volume
33		A-B: To set zone repetition
34	0	SUBTITLE: To change or select size of subtitle
35	( <u>)</u>	MUTE: For mute function



36	<b>←</b> · •→	SYNC <- / ->: To adjust sync of subtitle files played with film (100ms/ 0.1sec)
37		FUNC: To implement the function of ~
38	0	iPod: To convert remote control to iPod control mode/ repressing for returning to PVR mode

## Change the language/resolution/time setting in Wizard



1. Initial setup screen is displayed as shown in the picture. Select the language used and press OK.



- 2. Reserved for person informed : Set current date and time by pressing up/down button. Press OK.
- TIP: Make sure to set time to be the same as current time in order for normal recording with record preset function of TIMER.



## **Network Setting in Start Wizard**



1. Select the method to connect wired LAN to network. DHCP IP automatically allocates IP address.



2. To set static IP address and allocated them, make and save input by using number keys in remote control.

Note: Normal operation is not possible if setting the same IP as peripherals. Make sure to enter accurate IP address within IP bandwidth that can be used in router.



## Summary of Main Menus



#### 1. MEDIA LIBRARY

You can play media of various files, such as film, music and photograph, etc. connected to USB, HDD and NET or enjoy high-resolution movies. Also, you can connect to and play share files in a computer that is connected to network. So Smart PVR also supports the functions of preview or to control storage devices connected to USB host. In addition, you can play media file while recording is in progress. By connecting USB card reader to USB host, various memory chips can be expanded for use. Digital camera and mobile phone, etc., which can be used as mobile storage device, can be directly connected to play and copy media files.

## 2. SmartLIVE

Supporting online RSS, this function enables you to view movies, photos and weather information directly.

## 3. DIGITAL LIBRARY

Video input is directly displayed. Also, video content on the display can be recorded or processed for time shift function. So Smart PVR supports multi-threading function that enables you to use the MEDIA LIBRARY menu by returning to the HOME screen while maintaining the recording status.

## 4. RECORDINGS LIBRARY

Recorded and saved media files can be viewed. This menus provides the basic editing functions, such as cut, split, merge and extract file based on Windows file system.



#### 5. TIMER

Set preset recording from VIDEO IN source. When unit is switched off the So Smart PVR will automatically turn on and begin recording. When recording is completed, it will be automatically turned off.

#### 6. FILE MANAGER

Without the complication of having to copy files between storage devices by connecting them to your PC, you can copy files using USB/ HDD/ NET from PC to HDD, from USB storage device to HDD or from So Smart PVR to network - connected PC.

#### 7. SYSTEM SETUP

This function is used to make or change various system setups, such as menu language/ subtitle coding method/ network/ TV output method and audio and video recording setup, etc. Settings can be changed while file is being played. Setup is immediately applied.

## 8. iPod DOCKING (Expansion)

iPod TV-OUT function can be used. Recording and play control are possible while charging is in progress.

## 9. UPnP SERVER (Additional Function)

Using free DDNS, you can play or download all data by connecting to HDD mounted in So Smart PVR anywhere as long as there is a local connection PC or PC with Internet connection.

#### ECC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received,

including interference that may cause undesired operation.

#### RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help



ABOUT DivX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.DivX.com for more information and software tools to convert your files into DivX video.

ABOUT DivX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.DivX. com with this code to complete the registration process and learn more about DivX VOD.

## Software Installation:

Easy Archive: Choisissez les données que vous voulez sauvegarder
Back Up My PC: Copiez une image de votre disque pour tout retrouver
PC Tools Antivirus avec mise à jour antivirus offerte pendant 3 mois
PC Tools Antispyware: Logiciel anti-espion avec mise à jour offerte pendant 3 mois

Easy Archive: Choose the data that you want to save
Back Up My PC: Make an image of your hard drive
PC Tools Antivirus with free updates for 3 months
PC Tools Antispware: Anti-spware with free updates for 3 months

Easy Archive: Zur Auswahl der zu speichernden Daten
Back Up My PC: Zum Erstellen eines Festplattenabbildes, um alle Daten einfach wiederzufinden
PC Tools Antivirus inklusive drei Monaten kostenloser Aktualisierungen
PC Tools Antispyware: Anti-spyware-Programm inklusive drei Monaten kostenloser Aktualisieren

Easy Archive: Vælg de data, du ønsker at gemme
Back Up My PC: Et virtuelt billede af din disk, for at være i stand til finde alle dine data
PC Tools Antivirus med gratis antivirus opdatering i 3 måneder
PC Tools Antispyware: antispion program med gratis opdatering i 3 måneder

Easy Archive: Seleccione los datos que desea guardar

Back Up My PC: Copie una imagen de su disco duro parapoder recuperar todo en caso de problemas
PC Tools Antivirus con actualización del antivirus gratuita durante 3 meses
PC Tools Antispyware: software Anti-Spy con actualización gratuita durante 3 meses

Easy Archive : Escolha os dados que quer salvaguardar
Back Up My PC : Copie uma imagem do seu disco para encontrar tudo novamente
PC Tools Antivirus com oferta da actualização antivirus durante 3 meses
PC Tools Antispyware : software Anti-Spy com oferta da actualização durante 3 meses

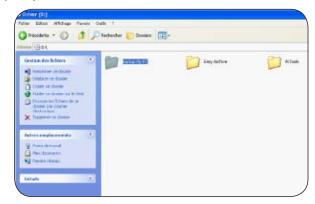
Easy Archive: Kies de gegevens die u wenst te bewaren
Back Up My PC: Kopieer een afbeelding van uw schijf om alles terug te vinden
PC Tools Antivirus met gratis actualisering antivirus gedurende 3 maanden
PC Tools Antispyware: antispy-software met gratis actualisering gedurende 3 maanden

Easy Archive: Scegli i dati che desideri salvare
Back Up My PC: Copia un'immagine del tuo disco per ritrovarla
PC Tools Antivirus con aggiornamento antivirus gratuito per 3 mesi
PC Tools Antispyware: software antispyware con aggiornamento antivirus gratuito per 3 mesiz

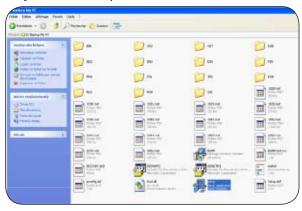
## Software Installation



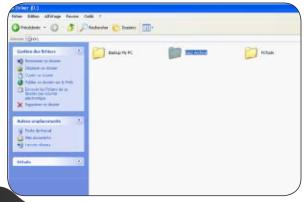
1) Backup My PC: (1/2)



1) Backup My PC: > Setup (2/2)



2) Easy Archive (1/2):



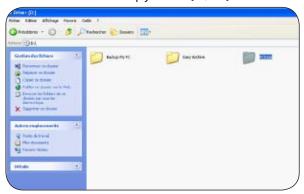


## Software Installation

2) Easy Archive: > Setup (2/2)



3) PC Tools Antivirus & Antispyware (1/2)



3) PC Tools Antivirus & Antispyware > PC Tools (2/2)





www.danedigital.com www.dane-elec.com



## Garantie:

Activez votre garantie en ligne sur www.dane-elec.com Formulaire à remplir si pas de connexion internet/ Formulaire à remplir si pas de connexion internet/ If you don't have a internet connexion, please fill this form	Activa su garantia en la web: www.dane-elec.com. Formularioa de reflenar si no tiene conexión al Internet./ Garantie-Registrierung online auf www.dane-elec.com. Füllen Sie bitte dieses Formular aus, sollten Sie keinen Zugang zum Internet haben.
Nom / Last Name	Apellido / Name
Prénom / First Name	Nombre / Vorname
Adresse / Address	Dirección / Adresse
Code Postal / Zip Code	Código Postal / Postleitzahl
Ville / City	Ciudad / Stadt
Etat / State	Población / Land
Pays / Country	País / Bundesland
Adresse email	Email / E-mail Adresse
Date d'achat / Purchasing Date	Fecha de compra / Purchasing Date
Produit / Product	Producto / Product
No market also safatis / Contint No markets	Noncon de code / Octob Novelon
Numéro de série / Serial Number	Numero de serie / Serial Number
Si può attivare online la garanzia su www.dane-elec.com.  Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online pà www.dane-elec.com, Udfyld venligst denne formular, hvis du ikke har internetadgang	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in.
Si può attivare online la garanzia su www.dane-elec.com. Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online pà www.dane-elec.com,	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com /
Si può attivare online la garanzia su www.dane-elec.com. Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online på www.dane-elec.com. Udfyld venligst denne formular, hvis du ikke har internetadgang	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in.
Si può attivare online la garanzia su www.dane-elec.com.  Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online på www.dane-elec.com. Udfyld venligst denne formular, hvis du ikke har internetadgang  Cognome / Efternavn	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de família / Achternaam
Si può attivare online la garanzia su www.dane-elec.com.  Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online på www.dane-elec.com. Udfyld venligst denne formular, hvis du ikke har internetadgang  Cognome / Efternavn  Nome / Fornavn	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de família / Achternaam Name / Vorname
Si può attivare online la garanzia su www.dane-elec.com. Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online på www.dane-elec.com. Udrjd venligst denne formular, hvis du ikke har internetadgang Cognome / Efternavn Nome / Fornavn Indirizzo / Adresse	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet/ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de familia / Achternaam Name / Vorname endereço / Adres
Si può attivare online la garanzia su www.dane-elec.com. Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online pà www.dane-elec.com, Udfyld venligst denne formular, hvis du ikke har internetadgang Cognome / Efternavn Nome / Fornavn Indirizzo / Adresse Cap / Postnummer	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de familia / Achternaam Name / Vorname endereço / Adres código postal / Postcode
Si può attivare online la garanzia su www.dane-elec.com. Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online på www.dane-elec.com. Udfyld venligst denne formular, hvis du ikke har internetadgang  Cognome / Efternavn  Nome / Fornavn  Indirizzo / Adresse  Cap / Postnummer  Città / By	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de família / Achternaam Name / Vorname endereço / Adres código postal / Postcode cidade / Woonplaats
Si può attivare online la garanzia su www.dane-elec.com.  Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online pà www.dane-elec.com, Udfyld venligst denne formular, hvis du ikke har internetadgang  Cognome / Efternavn  Nome / Fornavn  Indirizzo / Adresse  Cap / Postnummer  Città / By  Stato / Landsdel	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de família / Achternaam Name / Vorname endereço / Adres código postal / Postcode cidade / Woonplaats região / Provincie
Si può attivare online la garanzia su www.dane-elec.com. Modulo da compilare se non si ha una connessione a internet/ Aktiver din garanti online på www.dane-elec.com. Udfyld venligst denne formular, hvis du ikke har internetadgang Cognome / Efternavn Nome / Fornavn Indirizzo / Adresse Cap / Postnummer Città / By Stato / Landsdel Nazione / Land	Ative em linha sua garantia em www.dane-elec.com preencher o ficheiro se não tiver uma conexão Internet./ Activeer uw garantie online via de website www.dane-elec.com / Heeft u geen internetverbinding, vul dan onderstaand formulier in. nome de familia / Achternaam Name / Vorname endereço / Adres código postal / Postcode cidade / Woonplaats região / Provincie país/ Land

Numero di serie / Serienummer número de série / Seriennummer



## Garantie:

Activez votre garantie en ligne sur le site Dane-elec.com afin d'en bénéficier immédiatement. Ces spécifications et caractéristiques sont fournies à titre indicatif, Dane-Elec se réserve le droit de les modifier sans préavis. La garantie ne couvre pas la perte de données. (\*) : 1 (un) GB = approximativement 1 milliards de

bytes, la capacitéréelle varie en fonction du contenu,

la capacité formatée est moindre.

Activate your guarantee on-line at the "dane-elec.com" site in order to immediately benefitfrom your guarantee. These specifications and characteristics are supplied La garantía no cubre la pérdida de datos. Estas for your information; Dane-Elec reserves the right especificaciones y caracteristicas se ofrecen a titulo to modify this information without prior notice.

The guarantee does not cover loss of data. sin previo aviso.

(\*): 1 (one) GB = approximately 1 billion bytes, which La garantía no cubre la pérdida de datos.

capacity is less.

Activeer uw garantie online op de website Dane-elec com om onmiddellijk van uw garantie te genieten. De garantie dekt geen verlies van gegevens. Deze specificaties en eigenschappen worden indicatief meegeleverd, Dane-Elec behoudt zich het recht voor deze zonder voorafgaande kennisgeving te wijzigen. De garantie dekt geen verlies van gegevens.

(\*): 1 (één) G = ongeveer 1 miljard bytes, de werkelijke capaciteit varieert naargelang de inhoud, de geformatteerde capaciteit is minder.

Det er muligt at aktivere din garanti online på Dane-elec.com web-stedet, for omgående at have ret til garantibetingelserne. Garantien dækker ikke tab af data. De ovenstående specifikationer og karakteristikker bør udelukkende anses som vejledende. Dane-Elec forbeholder sig retten til at ændre dem uden varsel,Garantien dækker ikke tab af data, (\*): 1 (en) GB = cirka en milliard byte, den effektive kapacitet afhænger af indholdet. Den formaterede kapacitet er mindre.

Attiva la tua garanzia sul sito on-line di Dane-elec.com per beneficiarne immediatamente. La garanzia non copre la perdita di dati. Queste specifiche e caratteristiche sono fornite a titolo indicativo, Dane-Elec si riserva il diritto dimodificarle senza preawiso. La garanzia non copre la perdita di dati. (\*): 1 (un) GB = approssimativamente 1 miliardo di bytes, la capacità reale varia secondo il contenuto, la capacità formattata è inferiore.

Active la garantía en línea en el sitio web Dane-elec.com para beneficiarse de ella inmediatamente. indicativo. Dane-Elec se reserva el derecho a modificarlas sin previo aviso.

is the true capacity in terms of content; the formatted (\*): 1 (un) GB = aproximadamente 1000.000.000 de bytes. La capacidad real varía en función del contenido; la capacidad formateada es menor.

> Aktivieren Sie Ihre Garantie online auf der Webseite Dane-elec.com, damit Ihre Garantie sofort wirksam ist. Für den Verlust von Daten wird keine Haftung übernommen. Diese Spezifikationen und Charakteristika dienen nur zur Information; Dane-Elec behält sich das Recht vor, diese ohne Vorankündigung zu ändern. (\*): 1 (ein) GB = ungefähr 1 Milliarde Bytes, die tatsächliche Kapazität unterscheidet sich je nach Inhalten; die formatierte Kapazität ist geringer.

Activar a garantia Online no sítio Dane-elec,com por forma a beneficiar da garantia imediatamente. A garantia não cobre a perda de danos. Estas especificações e características são fornecidas a título indicativo, Dane-Elec reserva-se o direito de efectuar modificações sem aviso prévio. A garantia não cobre a perda de danos.

(\*): 1 (um) GB = aproximadamente 1 milhar de bytes, a capacidade real varia em função do conteúdo,

a capacidade formatada é menor

## Dane-Elec

So by Dane-Elec Warranty 159 Avenue de Gallieni – BP33 93171 Bagnolet Cedex France

All rights reserved, Dane-Elec, So Smart PVR and logo Dane-Elec and So Smart PVR are either registered trademarks or trademarks of Dane-Elec Memory in Europe, USA or other countries.Roxio®, Easy Archive®, Back Up My PC® are registered trademark or trademarks of Sonic® and PC Tools® are registered trademarks of PC Tools®. Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft® Corporation in the United States and/or other countries. Mac, Mac OS, Firewire, ipod, iphone are trademarks of Apple® Computer, Inc. registered in United States and countries. This product can contains GPL licenced source code (Licence list of such programs and way to get source code are printed in a separate form). Certain other product names, brand names and company names may be trademarks or designations of their respective owners.

## **R&TTE Certification**



**Česky** [Czech]: Dane-Elec tímto prohlašuje, že tento So Smart PVR je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

**Dansk [Danish] :** Undertegnede Dane-Elec erklærer herved, at følgende udstyr So Smart PVR overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

**Deutsch [German] :** Hiermit erklärt Dane-Elec dass sich das Gerät So Smart PVR in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

**Eesti [Estonian] :** Käesolevaga kinnitab Dane-Elec seadme So Smart PVR vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

**English :** Hereby, Dane-Elec, declares that this So Smart PVR is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

**Español [Spanish] :** Por medio de la presente Dane-Elec declara que el So Smart PVR cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

**Ελληνική [Greek] :** ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Dane-Elec ΔΗΛΩΝΕΙ ΟΤΙ So Smart PVR ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

**Français** [French]: Par la présente Dane-Elec déclare que l'appareil So Smart PVR est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

**Italiano [Italian] :** Con la presente Dane-Elec dichiara che questo So Smart PVR è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

**Latviski** [Latvian]: Ar šo Dane-Elec deklarē, ka So Smart PVR atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

**Lietuvių [Lithuanian] :** Šiuo Dane-Elec deklaruoja, kad šis So Smart PVR atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

**Nederlands [Dutch] :** Hierbij verklaart Dane-Elec dat het toestel So Smart PVR in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

**Malti [Maltese] :** Hawnhekk, Dane-Elec, jiddikjara li dan So Smart PVR jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

**Magyar [Hungarian] :** Alulírott, Dane-Elec nyilatkozom, hogy a So Smart PVR megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

**Polski [Polish] :** Niniejszym Dane-Elec oświadcza, że So Smart PVR jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.



**Português [Portuguese] :** Dane-Elec declara que este So Smart PVR está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

**Slovensko [Slovenian] :** Dane-Elec izjavlja, da je ta So Smart PVR v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

**Slovensky** [Slovak]: Dane-Elec týmto vyhlasuje, že So Smart PVR spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

**Svenska [Swedish] :** Härmed intygar Dane-Elec att denna So Smart PVR står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

**Íslenska [Icelandic] :** Hér með lýsir Dane-Elec yfir því að So Smart PVR er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.

**Norsk [Norwegian] :** Dane-Elec erklærer herved at utstyret So Smart PVR er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.





Part of this product software falls under open source licence (GPL). For more information about GPL see: http://www.gnu.org/licenses/gpl.html A copy of GPL license at the end of this document. The GPL'ed source code used in this product falls into a number of categories:

- 1-The compiler toolchain used to build the software.
- 2-The linux kernel 2.6.12 used as the operating system
- 3-Other third parties software:

#### **MTD**

This program is used to erase flash memory, and is a utility from the Memory Technology Device (MTD) subsystem for Linux. The official MTD site is: http://www.linux-mtd.infradead.org/

The version we used (unmodified) can be downloaded from: http://www.linux-mtd.infradead.org/source.html

#### dosfstools

These tools are used to check and optionally repair FAT filesystems. The official site for dosfstools is:

ftp://ftp.uni-erlangen.de/pub/Linux/LOCAL/dosfstools/

The base version we used can be downloaded from: ftp://ftp.uni-erlangen.de/pub/Linux/LOCAL/dosfstools/dosfstools-2.11.src.tar.gz

Source cod e is freely available (three years from date of purchase) upon written request to:

Dane Elec Memory Legal Department 159 avenue Gallieni 93171 Bagnolet France

A fee of 10€ will be requested for CDROM duplication and delivery fees only.



Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and «any later version», you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

- 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM «AS IS» WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
- 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs?

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the «copyright» line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program. You should also get your employer (if you work as a programmer) or your school, if any, to sign a «copyright disclaimer» for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.



#### GNU GENERAL PUBLIC LICENSE Version 2. June 1991

A French translation of the Licence is available on http://www.linux-france.org/article/these/qpl.html

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

#### GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING. DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The «Program», below, refers to any such program or work, and a «work based on the Program» means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term «modification».) Each licensee is addressed as «you».

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

- 2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)



These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

- 3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable. If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

- 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
- 5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
- 6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
- 7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

- 8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
- 9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.



www.danedigital.com www.dane-elec.com

