

Easy to Use DVR



Digital Video Recorder SVR-940/450 User's Manual

Thank you for purchasing a Samsung Digital Video Recorder. Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

ENGLISH

Download from Www.Somanuals.com. All Manuals Search And Download.

Introduction

Thank you for purchasing the SVR-940/450.

This is a user manual for SVR-940/450. Before product installation and operation, please become thoroughly familiar with this user manual and other manuals referenced by this manual.

This user manual and the software and hardware described here are protected by the copyright law. Therefore, with the exception of copying for general use within the copyright law, copying and reprinting the user manual, either partially or in its entirety, or translating it into another language without the consent of Samsung Techwin, Inc. is prohibited.

This specification may be changed without prior notice for improvement of product performance.

Product warranty and limits of responsibility

The manufacturer does not assume any other responsibility concerning the sale of this product and does not delegate any right to a third party to take any responsibility on its behalf. Product warranty does not cover cases of accidents, negligence, alteration, misuse or abuse. In addition, no warranty is offered for any attachments or parts not supplied by the

manufacturer.

The warranty period for this product will be for 3 years from the date of purchase.

The following cases are not covered by the warranty and payment is required for repairs.

- · Malfunction due to negligence in handling by the user
- · Deliberate disassembly and replacement by the user
- Connection of a power source other than a properly rated power source
- Malfunction caused by natural disasters (fire, flood, tidal wave, etc.)
- Replacement of expendable parts(HDD, FAN, etc.)

Warranty only refers to the warranty covering products that have been paid for.

After expiration of the warranty period (3 years), examination and repair will be provided for a fee. Even during the warranty period, repair and examination of items outside the preceding warranty scope will require a payment.

Please inquire at the point of purchase or the local service center for repairs requiring a payment.

* This manual is made by firmware version 1.0.0 basis.

Table of contents

Introduction	
Product warranty and limits of responsibility	2
Chapter 1. Safety Cautions	5
Chapter 2. Summary	·····7
2.2 Contents	
2.2.1 Control panel on the front	
2.2.2 Rear Connection terminals	
2.2.3 Remote controller	
2.3 Specification	13
Chapter 3. installation	
3.1 How to connect all parts	
3.2 Detailed connection	
3.2.1 Camera	19
3.2.2 Audio	
3.2.3 Monitor	
3.2.4 External connector	21
Chapter 4. Operating	
4.1 Checklist before operation	25
4.2 Power connection	
4.3 Live monitoring screen	26
4.3.1 Function of screen display	27
4.3.2 Automatic channel rotation	27
4.4 Recording	28
4.4.1 Normal recording	28
4.4.2 Scheduled recording	
4.5 Search 4.5.1 Event search	
4.5.2 Timeline search	
4.5.3 Go To search	
4.5.4 Go first search	
4.5.5 Go last search	
4.5.6 Log file search	
4.5.7 COPY List	
4.6 Playback	
4.7 PTZ	
4.7.1 PAN/TILT	
4.7.2 ZOOM/FOCUS	
4.7.3 INITIALIZE	
4.8 DVR Backup File Player	
Chapter 5. Configuration	37
5.1 Menu configuration	37
5.2 Default Setup	39

Table of contents



5.3 Menu Screen Setup	
5.4 SCREEN SETUP 5.4.1 CH1~CH4 / CH1~CH9 (for SVR-940)	
5.4.2 AUTO SEQUENCE	
5.4.2 AUTO SEQUENCE	
5.4.4 SPOT	
5.4.4 SPOT	
5.5.1 GENERAL SETUP	
5.5.2 DETAIL SETUP	
5.5.2 DETAIL SETUP	
5.6.1 EVENT	
5.6.2 MOTION DETECTION ······	
5.6.3 TEXT	
5.6.4 POS quick guide	
5.6.4 POS quick guide	50
5.0.3 RELAY	
5.7.1 NETWORK	
5.7.2 DDNS Register	
5.7.3 Client access	
5.7.4 RS-232	
5.7.6 E-MAIL	54
5.8 DDNS Registration	
5.8.1. DDNS Registration procedure	55
5.9. Instructions on using DDNS	
5.10 Editing registered product	
5.11 System setting	62
5.11.1 System	
5.11.2 HDD	
5.11.3 Password ·····	
5.11.4 User Authentication	
5.11.5 CLOCK SETUP	
5.12 PTZ	
5.12.1 Setting for each channel	67
5.13 EXIT MENU	
5.14 ETC	
5.14.1 Firmware Upgrade	
5.14.2 Index Start Fail	
Chapter 6. Web-Viewer	70
6.1 Log page	71
6.2 LIVE mode	71
6.3 SEARCH mode	
6.4 Web-Viewer buttons	
Chapter 7. Troubleshooting	
Appendix Information of HDD Installation	

Chapter 1. Safety Cautions

Symbols displayed for each item



Refers to information users need to know in order to prevent serious injury or death.



Provides information users need to know in order to prevent minor injury or product damage.



Before installation

- Verify the supplied voltage (AC100V~AC240V) before connecting the power supply.
- Make sure the power supply is off before installation.
- Do not install in a very humid environment. Doing so may cause an electric shock or fire.
- Make sure ground line is connected to reduce electric shock risk.

During operation

- Do not open the product cover except qualified personnel or system installer. Opening the product cover may cause an electric shock.
- Do not plug multiple appliances into one power outlet. Doing so may cause fire.
- Do not place dishes containing water or heavy objects on the product. Doing so may cause a malfunction.
- Do not use in areas containing inflammable materials like propane gas and gasoline or in areas that generate dust. Doing so may cause an explosion or fire.
- Do not touch the power line with a wet hand. Doing so may cause an electric shock.
- Do not insert a hand into the opening of the DVD. Doing so may cause an injury.
- Make sure conduction materials do not enter the cooling ventilator opening.
- Do not apply excessive force when pulling on the power cord. Damaging the cord may cause an electric shock or fire.
- Random replacement of built-in battery by other types of batteries may cause explosion.
- The battery shall be replaced by the same battery.
- The used batteries shall be disposed carefully because they can cause environment pollutions.

· Dismantling and cleaning

- Do not dismantle, repair or modify the product deliberately. Doing so may cause a damage, an electric shock or an injury.
- Do not use water, thinner or organic solvent for cleaning the product exterior. Doing so may cause a malfunction or an electric shock. Use a dry cloth to clean the exterior.



During installation

- To get adequate ventilation, install the product with at least 15cm of space between the cooling ventilation opening and a wall.
- To prevent falling, install the product in a flat area . Dropping the product may cause an injury or a malfunction.
- Avoid areas exposed to sun light or heat since they may cause deformation or a malfunction.
- If a camera is installed while the DVR is recording, image in another channel may be disrupted. Start the storage after installing the camera is recommended.

Chapter 1. Safety Cautions

• During use

- Make sure the product is not exposed to shocks or shaking when using the product or during moving.
- Do not move the product while it is in operation, and apply strong shocks to the product or throw the product.
- If hard disk drives other than those recommended are used additionally, abnormal operation may occur. Inquire at the point of purchase of the product before installing such a hard disk drive.
- Product warranty will not cover deliberate additional use of such hard disk drives.
- This product is a supplementary rather than primary means for preventing fire and theft. Our company

FCC Compliance Statement

Caution

Any changes or modification in construction of this device which are not expressly approved the party responsible for compliance could void the user's authority to operate the equipment.

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which cause the user will be required to correct the interference at his own expense.



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Samsung Techwin recommends the installation of a UPS (Uninterrupted Power Supply) with all its recording products.



Samsung Techwin cares for the environment at all product manufacturing stages to preserve the environment, and is taking a number of steps to provide customers with more environment-friendly products. The Eco mark represents Samsung Techwin s will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

The Samsung SVR-940/SVR-450 is a digital video recorder designed to be used as a security device in small shops, convenience stores, banks, ATMs, etc. It is a stand-alone device, securing system performance and safety. The Samsung SVR-940/SVR-450 saves video images on an HDD instead of on videotape. It can save quality images even with repeated recording, and facilitates data search by recording and playing video data in a digital file format. Moreover, the Samsung SVR-940/SVR-450 is a user-oriented digital unit with high quality moving pictures and high capacity storage media. It has a variety of functions such as motion detection, PTZ (Pan, Tilt and Zoom) control, password setting, real-time voice data storage, and event lists and log file storage.

2.1 Features

Monitoring Screen

Recording

The Samsung SVR-940/SVR-450 can record up to 120 frames per second. It also records events on an event list as well as providing a pre-event recording function.

- . Simultaneous execution of three functions: recording, playback, and networking
- . Convenient setting of recording frame by channel.
- . Up to 3 levels of image quality setting available.
- . Simple setting of the scope of motion detection.
- . Recording setting up to a Maximum 120 frames per second. (Based on 360X240)
- . Manual and scheduled recording.
- . Event recording using external alarms and the motion detection function.
- . Creating event lists for external alarms and motion detection.
- . Recording images before the occurrence of events.

Playback

Storage Media

The built-in HDD is the basic memory supply. Using a USB memory stick or external CD-RW (guaranteed for the recommended models only), users can copy images from the internal HDD.

. Basic Memory Supply: Built-in HDD

. Backup media: USB memory stick

. Backup media: Built-in CD-RW

 CD-RW-Maker : LITEON CO., LTD Model : LTR-52327SX Model : SHM-165P6SX02C
 CD MEDIA-Maker : SAMSUNG Model : PLEOMAX R80X-

Network

The Samsung SVR-940/SVR-450 supports a wide range of networks such as LAN and ADSL, DHCP. The user can also easily operate and manage the main functions of the unit from a remote location using an exclusive PC viewer.

- . Live image view from a remote location available (full screen, quad screen, and 9-channel screen mode (for SVR-940) selectable).
- . Search and playback by time or event from a remote location.
- . 10/100Mbps Ethernet/xDSL supported.

. DDNS supported.

Other

. Simple firmware upgrade using USB memory.

. Up to 4 channel voice recording in real time

.VGA output supported

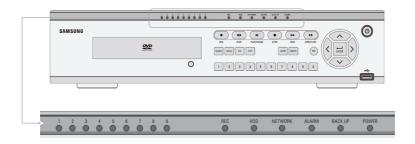
. Menu language-selectable.

2.2 Contents

The SVR-940/SVR-450 package contains the main unit and its components as specified below. When you purchase the unit, please check that the components specified below are included. If any components are missing, please contact your local vendor.

SVR-450/940 Main unit		
1. Network viewer program CD	2. User Manual	3. Remote controller
4. Batteries for remote controller	5. Adaptor (For SVR-450)	9. Power cable
(ĝ) ∞) (ĝ) ∞)p	and a state	or of Padd

2.2.1 Control panel on the front



LED Indication

Number	LED Name	Description
1	POWER	Lights up when power is applied to the system
2	BACK UP	Lights up when the system is backing up.
3		Lights up when an Alarm is triggered.
4	NETWORK	Lights up when client has connected to the system through the Network
5	HDD	Lights up when the system is accessing HDD
6	REC	Lights up when the system is recording video data

Button Indication

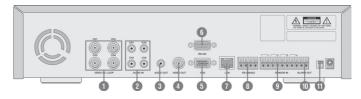
Number	Button Name	Description
1	٢	Press to power the system ON/OFF.
2		Press to navigate to and select a Menu item.
3	DIRECTION	Press to select and change the forward or back playback. Pressing this button during forward playback reverses the direction of play.
4	FAST	Forward Playback. Speeds of 2X, 4X, 8X.
5	STOP	Press to stop the Playback and to start searching other recorded data.
6	PLAY/PAUSE	Press to Play and pause the Playback screen

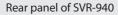
Button Indica-

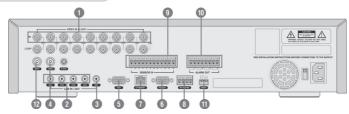
Number	Button Name	Description
7	STEP	Playback position moves 1 frame forward/back during Pause.
8	REC	Press to start and stop manual recording
9	SEARCH	Press to search the recorded data
10	MENU	Press to launch Setup Menu
11	PTZ	Press to control the PTZ functions
12	COPY	Press to backup still images or video
13	AUTO	Press to start screen Auto Sequence. Set °ÆSCREEN SETUP/ AUTO SEQUENCE/SEQUENCE°Ø as °ÆON°Ø.
14	MULTI	Press to select the live display format as full screen, quad screen, or 9-channel screen (for SVR-940) display.
15	ESC	Press to return to previous Menu screen.
16		Press to move up in a Menu item in setup mode.
17	$\mathbf{\hat{v}}$	Press to move right in a Menu item in setup mode.
18	V	Press to move down in a Menu item in setup mode.
19	<	Press to move left in a Menu item in setup mode.
20	ENTER	Press to select full screen, quad screen, or 9-channel screen (for SVR-940) in live monitoring mode. It can also be used to select a desired menu item or to store a setup value in the menu.
21	•~~	USB Backup and Firmware upgrade.

2.2.2 Rear Connection terminals

Rear panel of SVR-450







- 1. VIDEO IN Camera Input (NTSC/PAL)
- 2. AUDIO IN Audio Input
- 3. AUDIO OUT Audio Output
- 4. VIDEO OUT Composite Video Output
- 5.VGA VGA output
- 6. RS-232 For the engineering console only, not for other purposes.
- 7.LAN RJ45 Connector
- 8. RS-485/422 PTZ camera control
- 9. SENSOR IN Sensor Input
- 10. ALARM OUT Alarm Output
- 11. SWITCHES NTSC/PAL, BNC/VGA Select Switch(Please refer to Chapter 5 for the detailed guide.)
- 12. SPOT Spot output (For SVR-940)
- 13. SVHS S-VHS output

2.2.3 Remote controller



• MENU • AUTO • SPOT • PTZ • COPY • RECORD • STOP • SEARCH • STEP	Button to enter Setup Menu For Auto Sequence Button for Spot ON/OFF (SVR-940.) Button for PTZ camera control. Button for data backup. Button for Manual record ON/OFF. Button to stop playback. Button for search menu. Playback position moves 1 frame forward/back
• PLAY/PAUSE • FAST • DIR in	during Pause. Button to Play and Pause the Playback screen Button for Forward Playback. Speeds of 2X, 4X, 8X. Button to select and change the direction of play
	playback. When pressed during forward play-
back,	playback men pressed damig forward play
• ENTER	the system reverses the direction of play. Button to select full screen, quad screen, or 9-channel screen (for SVR-940) in live monitor- ing mode. It can also be used to select a desired menu item
or	
• MULTI screen,	to store a setup value in the menu. Button to select the live display format as full
	quad screen, or 9-channel screen (for SVR-940) display.
U	sable range of Remote Controller
_	Remote Controller Angle eDVR

Horizontal Angle : ± 25° Vertical Angle : ± 20°

2.3 Specification

System		
Items	SVR-450	SVR-940
Processor	D:	SP
Operating system (O/S)	RTOS	
Compression method	MPE	EG-4

Video

Items	SVR-450	SVR-940
Input Method	Composite Input 4-Channel	Composite Input 9-Channel
Video Input Level	1.0 Vр-р, С	Composite
Live Screen Display Speed	Real time display	
Live Screen	NTSC: 720 (W) _ 480 (H) Pixels for the full screen. PAL: 720 (W) _ 576 (H) Pixels for the full screen 8bit Brightness (256 Gray Scale) 24bit Color (160,000 Colors)	
Monitor Output	1.0Vp-p Composite, 75	1.0Vp-p Composite, 75 / S-VHS
VGA Output	RGB Output (Non-Interlaced Scan) * Select composite or VGA	

Audio

Items	SVR-450	SVR-940
Audio	4CH Audio Input 1CH Audio Output	
Audio compression	ADPCM	

 Alarm

 Items
 SVR-450
 SVR-940

 Input
 4 Channels
 9 Channels

 Output
 1 Relay output
 4 Relay output

Control

Items	SVR-450	SVR-940
Remote controller	Infrared LED) (Up to 5m)
Exclusive controller	SCC-3100A (RS-485)	

Recording

Items	SVR-450	SVR-940
Maximum Number of Frames Sec per Resolution (NTSC)	720X480: 30 Frames/Sec 360X240: 120 Frames/Sec	720X480: 30 Frames/Sec 720X240 : 60 Frames/Sec 360X240: 120 Frames/Sec
Recording Method Pre-Event Recording Image Quality	3 Types of Recording Mode: General, Schedule, & Event Individual Channel ON/OFF Setting 3-Stage Image Quality: User Configurable	

HDD

Items	SVR-450	SVR-940
Default HDD	1 ea (Max. 1ea) 1 ea (Max. 2ea)	
HDD type RPM	EIDE 7200rpm	
Recommended	Samsung / Seagate / Maxtor	

Notes • Please refer to the recommended HDD model list.

Backup

Items	SVR-450	SVR-940
Digital Backup	USB Memory Stick / Built-in CD-RW (DVD)	

Password

Items	SVR-450 SVR-940	
6 stage Password	4-digit Password (inc Admin : Control all fun USER1~5: Access permission	J

Search and Playback

Items	SVR-450 SVR-940	
Search Mode	Search by Time: Year, Month, Date, Hour, Minute Search by Channel: per channel Search by Event: Alarm, Motion Detect Search by the oldest data: The first recording image Search by the most recent data: The last recording image Search by bar: Using the search bar	
Speed & direction of Playback	Forward and Reverse	
Fast Search	Rewind (X2, X4, X8), Rewind (X2, X4, X8)	
STEP Search	Search in 1 second increments	
Pause and Frame Playback	Playback pause, Playback by frame in the pause status	

Network

Items	SVR-450	SVR-940
General	Live Screen: Playback Sci Menu Setting: Menu setting Access Method: I Protocol: TC Interface: Ethernet (Concurrent Users: Up to 4 u: work envi	reen: Search available (CMS S/W : option) Dedicated Viewer CP/IP, DHCP 10/100Mbps), ADSL sers (depending on the net-

Electrical Specification

Items	SVR-450	SVR-940
Power	DC 12V Adaptor (SVR-450)	100~127V/200~240V, 50/60Hz

User Environment

Items	SVR-450	SVR-940
Operating Temperature Storage Temperature Humidity	5°C~ 10°C~ 30% ~90%(wi	~60°C

Exterior

Items	SVR-450	SVR-940
Material Dimensions	Steel Case 260(W) X 350(D) X 65(H)mm	
Weight	About 5.5Kg	11Kg

Connection Terminals

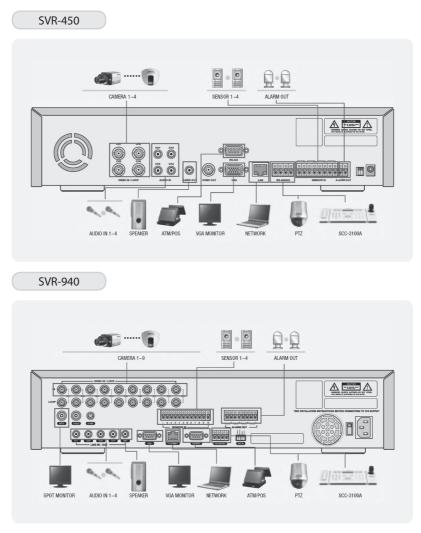
Items	SVR-450	SVR-940
Video Input	BNC(4EA)	BNC(9EA)
Monitor Output	BNC(1EA)	Loop out (9EA), Spot (1EA) S-VHS
VGA Output (PC Monitor) Audio Jack USB Port 9-Pin DSUB 6-Pin Terminal sector 8-Pin Terminal sector 2-Pin Terminal sector Termination Switch (JP2 Termination) LAN Input	RCA Input (4), I USB2.0 (Firmwar RS-232C (RS-422/485 (Exte Alarm Inpu Alarm Output Terminal (Mo N	e Upgrade/Copy) (Standby) rnal control, PTZ) ut Terminal tion Detect, Sensor: CM, NO, C) stance Switch (RS-422/485 g jump setting after opening o cover)

Accessories

Items	SVR-450	SVR-940
Accessories to be supplied	Network View User N Remote Con Brackets and scre Adaptor (for SVR-	Nanual trol & Battery tws for HDD plate

3.1 How to connect all parts

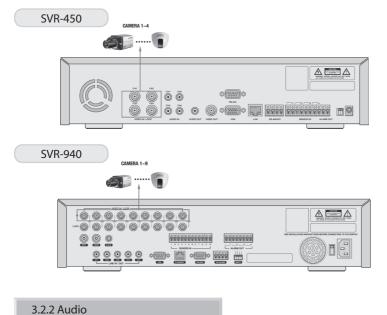
The connection layouts for the SVR-450/940 with the monitor, CCTV, and external devices are described as below.



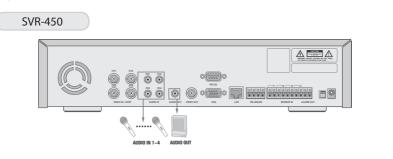
3.2 Detailed connection

3.2.1 Camera

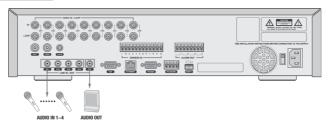
The SVR-450 and 950 can accommodate up to 4 or 9 cameras respectively. Connect the BNC terminal of each camera to the CAMERA IN terminal of the unit.



The SVR-450/950 can save audio information. For storage or output of audio information, it is required to connect the relevant devices.



SVR-940



Audio input

Please connect an RCA audio cable to the AUDIO IN connector (such as camera with built-in microphone and others). (All types of microphone and speaker are compatible with the

Notes • For Audio input setting, set [Audio] to [ON] in the Recording setting menu

Please connect an RCA audio cable to the AUDIO OUTPUT connector (such as monitor with built-in speakers).

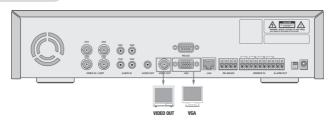


• When playback with audio in split display mode is not working properly, turn the display mode to Full screen to avoid an audio playback problem.

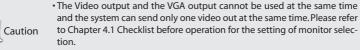
3.2.3 Monitor

Connect the VIDEO OUT terminal of the system and the BNC terminal of the monitor, using the BNC cable, in order to display video data to the main monitor. There is also a VGA video output for the PC monitor.





SVR-940



· During playback with the VGA monitor, a few frames can sometimes be

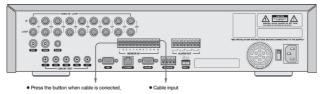
3.2.4 External connector

Sensor input (SENSOR IN)

SVR-450 (4-SENDOR IN)



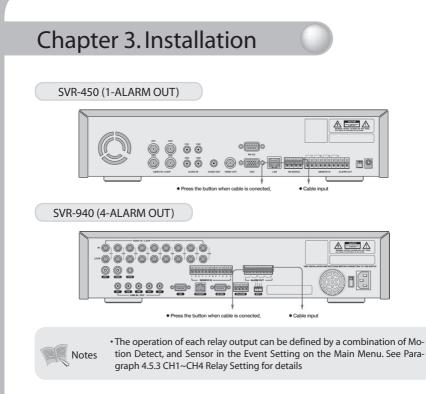
SVR-940 (9-SENDOR IN)



As external sensor connecting terminal, signals from an external sensor or device will be input to the system.

Relay Output (RELAY OUT)

This Alarm Output terminal uses the contact relay for the alarm output to external devices. You can select NO (Normal Open) or NC (Normal Close) for connection according to the contact point status.



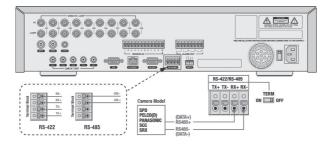
External Control Device Terminal (RS-422/485)

This terminal is connected to external control devices. The internal JP2 termination terminal turns the terminator resistance of the RS-422/485 communication device on and off. (In the SWITCH section on the back of the SVR-940 there is a TERM switch.)

SVR-450 Õ õÕ 6 me RS-422/RS-485 TX+ TX- BX+ BX TERM ON DI OFF 6 RS-422 **BS-485** RS485

1. RS-422 : Connecting Terminal Block's 4 Port orderly 2. RS-485 : ShorttheTerminalBlock's1&3(Tx+Rx+)Ports,and2&4ports(Tx-,Rx-),thenconnecting 1 & 2 ports or 3 & 4 ports to RS-485

SVR-940



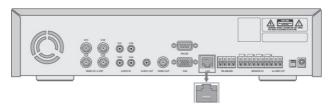
- 1.RS-422 : Connecting Terminal Block's 4 Port orderly
- 2. RS-485 : Connecting 3 & 4 ports to RS-485

No.	Description	
Classification	RS-422 RS-485	
1	TX+(+Transmit Data)	-
2	TX-(- Transmit Data)	-
3	RX+(+Receive Data)	Data+
4	RX-(- Receive Data)	Data-

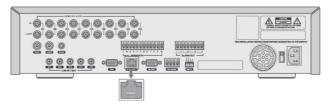
LAN Connection (Ethernet 10/100 Base-T)

This port is to connect to network.

SVR-450



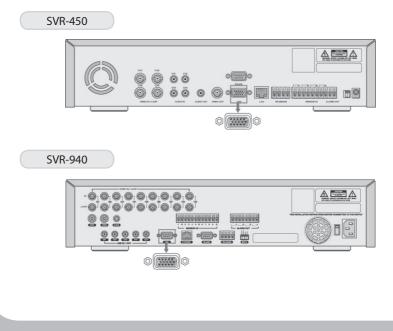
SVR-940



No.	Description	No.	Description
1	TX+(Transmit Data)	5	N/C(No connection)
2	TX-(Transmit Data)	6	RX-(Receive Data)
3	RX+(Transmit Data)	7	N/C(No connection)
4	N/C(No connection)	8	N/C(No connection)

Monitor Output (VGA)

This is the output connector for a VGA Monitor.



No.	Description	No.	Description
1	Red Signal (75, 0.7Vp-p)	9	N/C(No connection)
2	Green Signal (75, 0.7Vp-p)	10	Ground
3	Blue Signal (75, 0.7Vp-p)	11	Ground
4	N/C(No connection)	12	N/C(No connection)
5	Ground	13	HSYNC (Horizontal Synchroniza- tion)
6	Ground	14	VSYNC (Vertical Synchronization)
7	Ground	15	N/C(No connection)
8	Ground		

Chapter 4. Operating

4.1 Checklist before operation

Users must select the video mode (NTSC or PAL) and video output (BNC or VGA) before powering the system on. These can be selected from the switches on the rear of the DVR system.

The settings of the video mode and video output are as described below.

SETTING	Video	mode	Video output	
SETTING	NTSC	PAL	BNC	VGA
P V A G L A	о	х	о	х
PV AG LA	Х	0	0	Х

SETTING	Video	mode	Video output	
SETTING	NTSC	PAL	BNC	VGA
P V A G L A	0	Х	Х	0
P V A G L A	Х	0	Х	0

* The factory default is set to NTSC video mode and VGA video output.

4.2 Power connection

· After power is connected to the rear connector of the system, the system will be powered on.

· When power is turned on, the system will detect a video signal automatically.

4.3 Live monitoring screen

When the system is turned ON, the live monitoring screen is displayed.

			RALE WALLEN ALARM ALARM FORCE IN TORICE
SAMSUNG	<u>50</u>	0	

4.3.1 Function of screen display

When Channel number buttons $1 \sim 4$ (SVR-450) / $1 \sim 9$ (SVR-940) are pressed, each channel is displayed in full screen.





Press the ENTER button, and the four connected channels are displayed in quad split screen





4.3.2 Automatic channel rotation

following the setting in [SCREEN SETUP] > [Auto Sequence].(SEQUENCE must be set to [YES].)

When the AUTO button is pressed in each full screen mode, each channel is rotated automatically

When AUTO is pressed again, the Auto sequence operation will be canceled.

Digital Video Recorder 27 User's Manual Download from Www.Somanuals.com. All Manuals Search And Download.

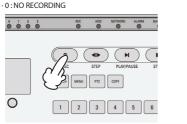
4.4 Recording

4.4.1 Normal recording

When the REC button is pressed, manual recording is started and the "R" icon (Manual Recording) is displayed on the upper right corner of the monitor screen.

When the REC button is pressed again, the manual recording is stopped and the pre-recording setting is activated. While recording with the pre-recording setting, the icons below indicate the trigger for recording.

- · C : CONTINUOUS RECORDING
- · S : SENSOR RECORDING
- · M : MOTION DETECTION RECORDING
- · T : TEXT RECORDING (POS TEXT RECORDING) · -: NO VIDEO INPUT





4.4.2 Scheduled recording

- · S : SENSOR RECORDING
- · : NO RECORDING
- · C : CONTINUOUS RECORDING
- · M : MOTION DETECTION RECORDING ·T : TEXT RECORDING

To setup a recording schedule, select SCHEDULE in the RECORD menu. Navigate through the items using the control button.

Once the channel 1 is selected, SCHEDULE-CH1 screen is displayed. Select ALL or each day using the control button and set the recording mode using the SEL button repeatedly.

[COPY FROM] [COPY TO]: Set the channel 1 schedule and select COPY TO using the control button, select CH2 using the control button and press the SEL button. Then the CH1 schedule is copied to CH2.

To return to setup menu screen, press the ESC button.

Notes

• The recording status icons are changed according to the type of recording. When the corresponding channel is not being recorded, no recording status icon is displayed.

4.5 Search

Press the SEARCH button, and the Search Menu appears as illustrated below. Recorded video can be searched and played back by time, event, or date and the Log File is also displayed.



4.5.1 Event search

From the Event Search menu, the recorded data can be searched by Motion detection recording, Sensor recording, Text recording, Manual recording, etc. When Event Search is selected, the screen below is displayed.

SE/	ARCH					4 2	007/AUG	
		MON						
						3		
ę	5	6	7	8	9	10	11	
			14					
	19	20	21	22	23	24	25	
- 2	26	27	28	29	30	31		
CHA	NNEL	123	4 5 6	789	TYPE	A M S	TCR	

- · Dates with any recorded data are displayed in a dark color.
- When the date, channel, and event type are selected and the PLAY button is played, the desired data is played back.

4.5.2 Timeline search

Users can easily select a desired search time using the Time line bar.

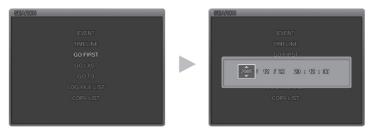
Press the ENTER button on the Time line bar to display the calendar and press the ENTER button again to display as below.



 V1~V4: Time zones with recorded data are displayed with a colored bar. (SVR-940:V1~V9)
 A1~A4: Time zones with recorded audio data are also displayed with a colored bar. Time zones with recorded data are displayed in colors.

4.5.3 Go To search

Users can enter a desired search date and time in this menu. Press the ENTER button to display as below.



Users can enter a desired search date and time and press the PLAY button to playback. (The second setting can be input as 15 seconds/30 seconds/45 seconds.)

4.5.4 Go first search

Press the ENTER button to playback from the first data stored in the HDD.

4.5.5 Go last search

Press the ENTER button to playback from the last data stored in the HDD. However, due to the nature of the recorded file format, a maximum of 1 minute of the last recorded can be played back.

4.5.6 Log file search

Press the ENTER button on this menu to display the calendar. Select a desired date on the calendar to display the Log files. Press the ESC button to exit this menu.

				G
) 10	11	
12 13 14 15	5 16	3 17	18	
19 20 21 22	2 23	3 24		
26 27 28 29	9 30) 31		

SEARCH	
(1/1	5
	07/12/04 14:10:03] ENTER SETUP 07/12/04 12:11:12] SYSTEM START

4.5.7 COPY List

Both Still images and Video can be backed up. The maximum backup time for Video is up to 999 seconds.

Notes • During backup, the system will not record, to ensure system stability.

4.5.7.1 Still image Backup

- During monitoring, Press the COPY button if you wish to capture an image. When Figure
 1 is displayed, press YES to store the image into the HDD and select the backup device
 either USB memory stick or CD-RW. The still image will be transferred to the selected
 backup device.
- ② Press the SEARCH button and select ARCHIVE to display the calendar. Select a desired date and press the ENTER button to display Figure 2.
- ③ Select a desired list to be backed up and the image is displayed. Select the backup device either USB memory stick or CD-RW. When backup is completed, Figure 3 is displayed.







Digital Video Recorder 31 User's Manual Download from Www.Somanuals.com. All Manuals Search And Download.





4.5.7.2 Video backup: Only available during Playback mode

- ① During Playback, Press the PAUSE button to pause the playback and press the COPY button. You will be asked whether to store a Still image or Video (Figure 1). Select Video and set the duration of the copy to store the data into the HDD, and select the backup device - either USB memory stick or CD-RW. Select the device that you want to save it to and it will be saved to that device.
- ② Press the SEARCH button and select ARCHIVE to display the calendar. Select a desired date and press the ENTER button to display Figure 2.
- ③ Select a desired list to be backed up and the image is displayed. Select the backup device either USB memory stick or CD-RW.When backup is completed, Figure 3 is displayed.

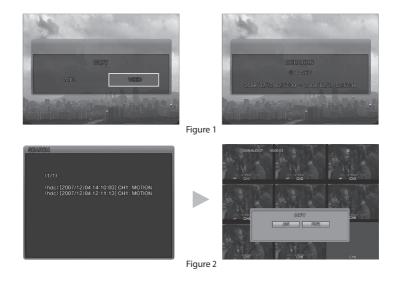
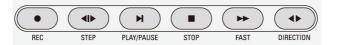






Figure 3

4.6 Playback



•	REC	Button for manual recording.
	STEP	Playback position moves 1 frame forward/back during Pause.
M	PLAY/ PAUSE	Button for playback and pause.
	STOP	Button for stop
*	FAST	Button for fast forward.
••	DIRECTION	Button to select and change the direction of play in playback.



• During playback, a few frames may be missing depending on the image quality, but this is not a defect of the unit.

4.7 PTZ

Press the PTZ button on the selected Full Live Screen, and adjust the Pan, Tilt, or Zoom of a camera. The PTZ function can be controlled by the function buttons of the front panel or by the remote controller. The PTZ function can be controlled when a PTZ camera is correctly connected to the RS-485.





4.7.1 PAN/TILT

Select PAN/TILT and press the ENTER button.

- For Pan adjustment, Press the 🔨 🎔 button

- For Tilt adjustment, Press the

4.7.2 ZOOM/FOCUS

Select ZOOM/FOCUS and press the ENTER button.

- For Zoom adjustment, Press the A button.

- For Focus adjustment, Press the $\left(\right) \left(\right)$ button

4.7.3 INITIALIZE

Select INITIALIZE and press the ENTER button to initialize a PTZ camera

< button



Press the PTZ control button to move, and press the button again to stop.
The PTZ Mode is available in the Live Screen.

4.8 DVR Backup File Player

The DVR provides an exclusive video file format as well as AVI file type. To play and see the DVR (exclusive) type file, you should play back this video file on our exclusive player as follow.

(Notice:When the MPEG-4 Codec is not installed, the exclusive player can not play the DVR format file. In this case, FFDSHOW Codec(ffdshow.exe) on network client software CD that is provided in the package should be installed and run before the playback of the DVR format backup file.)

FFDSHOW Setup Procedure Double click the [ffdshow.exe file] icon in provided CD.

Choose the language of program, after that click the "NEXT" button continuosly. (no option change)





1. After you back up the video data as DVR type, there are 3 files on the USB memory folder. (Figure 1)

TRETICIONS	
128211C1.SMI	
A PLAVER	
Player Module	

Figure 1. Backup file on USB Memory folder

3. Open Media File on DVR Player



Click this button to open media file.

2.Click DVR(Exclusive) Player icon **1** and then you can see the below player. (Figure2.DVR Player)



Figure 2. DVR Player

4. Select the backup file (DVR type) you wish to playback

pen Media File			_	_		
Find in (I) :	20070629	*	G	2 12		
120211C1,DVR						_
File Name (N) :	120211C1		_		Open (C)	
File Name (N) : File Type (T) :			-		Open (O) Cancle	

5. Click the play button to start playback the DVR file you selected.



Click to start playback the selected file

6. Overview of DVR Player

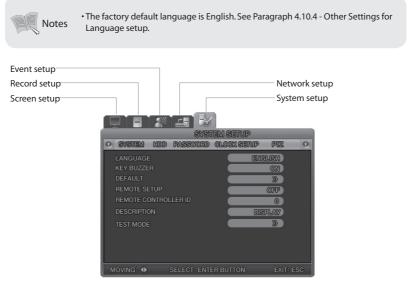


Table 1. DVR Player Buttons

No.	Icon Name	Description
1	Open Media File	Click this icon to open the media file saved as DVR
	Open Media Life	type
2	Stop	Click this icon to stop the playback
3	Rewind	Click this icon to move reward for 5 seconds
4	Previous Frame	Click this icon to move to the previous frame
5	Play	Click this icon to play the video data saved as DVR
	гіау	type.
6	Pause	Click this icon to pause the display screen.
7	Next Frame	Click this icon to move to the next frame.
8	Forward	Click this icon to move forward for 5 seconds
9	Audio	Audio On or Off

5.1 Menu configuration

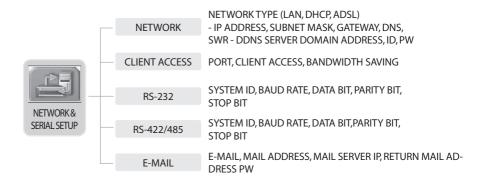
Press the Menu button on the front side of the unit or the MENU button on the remote control, and the menu for a variety of settings related to the unit will appear. The menu is configured as described below

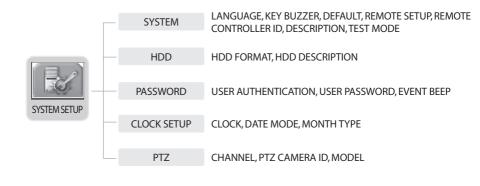


The menu is configured as illustrated below.

		SCREEN	CHANNEL – TITLE, COVERT, BRIGHTNESS, CONTRAST.
	-	AUTO SEQUENCE	SEQUENCE, SEQUENCE DWELL, VIDEO LOSS SKIP
SCREEN SETUP	$\left \right $	STATUS	OSD, CLOCK DISPLAY, HDD FREE SPACE, RECORD STATUS, TITLE DISPLAY, EVENT DISPLAY, OSD CONTRAST
	L	SPOT	TITLE DISPLAY, SPOT MODE (Only for SVR-940)
			IMAGE SIZE, REPEAT RECORD, WARNING MESSAGE,
HDD		GENERAL SETUP	WARNING BEEP
RECORD SETUP	L	DETAIL SETUP	CHANNEL – MODE, SCHEDULE, IMAGE, FRAMERATE, PRE EVENT DURATION, POST EVENT DURATION, AUDIO, SENSOR SELECT

		EVENT	EVENT BEEP, EVENT AUTO SEQ, EVENT TIME, TEXT MONITORING, SENSOR-SENSOR TYPE
e e e		MOTION	CHANNEL- MOTION ZONE, MOTION SENSITIVITY
	_		
EVENT SETUP	_	TEXT	SYNC CHANNEL, DEVICE, CHECK PROTOCOL, LINES
			SENSOR–CH1,CH2,CH3,CH4,(SVR450)
		RELAY	CH1,CH2,CH3,CH4,CH5,CH6,CH7,CH8,CH9 (SVR940)
			MD, TEXT, V-LOSS, HDD Error





5.2 Default Setup

The SVR-450/940 are delivered to customers with the factory default values as described below. To initialize the menu setup to the factory default values, select [YES] for the [DEFAULT] item in [SYSTEM SETUP]-[ETC] on the menu. Then all setting values changed by users are initialized to the default values as illustrated below.

Screen Setup

Main Menu	Submenu	Default
SCREEN	CHANNEL TITLE COVERT BRIGHTNESS CONTRAST	CH1 ~ 4 (950:CH1 ~ 9) CH1 OFF 50 50
AUTO SEQUENCE	SEQUENCE SEQUENCE DWELL VIDEO LOSS SKIP	OFF 1SEC OFF
STATUS	OSD CLOCK DISPLAY HDD FREE SPACE RECORD STATUS TITLE DISPLAY EVENT DISPLAY OSD CONTRAST	ON ON ON ON ON 100%
SPOT (SVR-940)	TITLE DISPLAY SPOT MODE	ON Manual

RECORD SETUP

Main Menu	Submenu	Default
GENERAL SETUP	IMAGE SIZE REPEAT RECORD WARNING MESSAGE WARNING BEEP	360X240 ON 1% OFF
DETAIL SETUP	CHANNEL MODE SCHEDULE IMAGE QUALITY FRAME RATE PRE EVENT DURATION POST EVENT DURATION AUDIO SENSOR SELECT	CH1 CONTINUOU8 >> HIGH 15f/s 3 SEC 5 SEC OFF OFF

EVENT SETUP

Main Menu	Submenu	Default
EVENT	EVENT BEEP EVENT AUTO SEQ EVENT TIME TEXT MONITORING SENSOR SENSOR TYPE	OFF OFF 5 SEC OFF CH1 N/O
MOTION	CHANNEL MOTION ZONE MOTION SENSITIVITY	CH1 FULL ZONE 7
TEXT	SYNC CHANNEL DEVICE CHECK PROTOCOL HEADER1 HEADER2 DELIMITER LINES	CH1 NORMAL OFF >> >> >> 1
RELAY	(H1,CH2,CH3,CH4)-SVR-450 (CH1, CH2, CH3CH4, CH5, CH6, CH7, CH8, CH9)-SVR-940	MD, TEXT, V-LOSS, HDD Error

NETWORK & SERIAL SETUP

Main Menu	Submenu	Default
NETWORK	NETWORK TYPE IP ADDRESS SUBNET MASK GATEWAY DNS SWR DDNS SERVER DOMAIN AD- DRESS ID PW	LAN 172.16.1.52 255.255.0.0 0.0.0.0 172.16.1.220 OFF
CLIENT ACCESS	PORT CLIENT ACCESS BANDWIDTH SAVING	3495 ON OFF

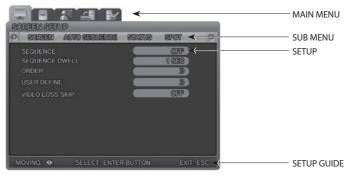
Main Menu	Submenu	Default
RS-232	SYSTEM ID BAUD RATE DATA BIT PARITY BIT STOP BIT	0 9600 8 NONE 1
RS-422/485	SYSTEM ID BAUD RATE DATA BIT PARITY BIT STOP BIT	1 9600 8 NONE 1
E-MAIL	E-MAIL MAIL ADDRESS MAIL SERVER IP ID PW RETURN MAIL ADDRESS	OFF

SYSTEM SETUP

Main Menu	Submenu	Default				
SYSTEM	LANGUAGE KEY BUZZER DEFAULT REMOTE SETUP REMOTE CONTROLLER ID DESCRIPTION TEST MODE	ENGLISH ON >> ON 0 DISPLAY >>				
HDD	HDD FORMAT HDD DESCRIPTION	APPLY DISPLAY				
PASSWORD	USER AUTHENTICATION USER PASSWORD EVENT BEEP	>> >> OFF				
CLOCK SETUP	CLOCK DATE MODE MONTH TYPE	>> YYYY/MM/DD INITIAL				
PTZ	CHANNEL PTZ CAMERA ID MODEL	CH1 0 NONE				

5.3 Menu Screen Setup

Select the MENU button on the remote control or the main unit, and the following Menu Screen appears.



• Press the MENU button, and the background screen is switched to the quad split screen.

- · Main Menu: Select the Main Menu corresponding to each Tab.
- · Submenu: Select the Submenu to be set up on the Main Menu.
- · Setup Items: Change the settings on the Submenu.
- · How to Set: This message provides a guide for menu setup.
- · It may take a little while for the recording setup to complete. Please wait.
- · Except for the recording setup, setting changes are applied immediately.

Operations

Notes

- * Operation of the unit using the buttons on the main unit.
- Move between Menus : Press the Arrow **V A I b** buttons.
- Change Setting Values : Press the ▼▲ ◀ ▶ Buttons.
- Exit from Menu Screen : Press the ESC Button.
- * Operation using the Remote Control
- Move between Menus : Press the Arrow **V A I b** buttons.
- Change Setting Values : Press the **V A I b** Buttons.
- Exit from Menu Screen : Press the ESC Button.

5.4 SCREEN SETUP

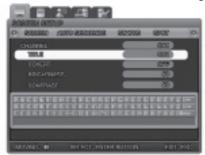
This is the set up menu related to the DVR system. Press the MENU button and select the Tab using the Left/Right button. Then the submenu related to the system appears as illustrated below. Press the ENTER button and select the submenu using the Left/Right button. Then press the ENTER button again and you can select setup items using the Left/Right button. button.



5.4.1 CH1~CH4 / CH1~CH9 (for SVR-940)

Select setup items related to channels such as channel titles or brightness.

• Title : Titles can be individually set to each channel. Select the channel title and press the ENTER button. Then the keyboard to enter the title is displayed as illustrated below. The positions of characters in the Channel Titles can be arranged by using the



- After moving the cursor press the ENTER button to select the relevant character.
- To exit from the Menu Setup, press the ESC button.
- Press the Up/Down arrow button to move between character strings.
- To insert spaces, move the cursor to SPACE on the screen and then press SELECT on the remote control or the ENTER button on the main unit.
- · COVERT : Set whether to display or hide the selected channel.

When COVERT is set to "ON", the selected channel is not displayed on the screen but is recorded. (This function can be used not to disclose the channel selected

Digital Video Recorder 43 User's Manual

Download from Www.Somanuals.com. All Manuals Search And Download.

. BRIGHTNESS : Adjusts the screen brightness by changing the values. . CONTRAST : Adjusts the screen contrast by changing the values.

5.4.2 AUTO SEQUENCE

The live screens are automatically switched in the order of [SVR-450: <CH1 -> CH2 -> CH3 -> CH4] / [SVR-940: <CH1 -> CH2 -> CH3 -> CH4 -> CH5 -> CH6 -> CH7 -> CH8 -> CH9 >] at the predefined switching interval. The channel switching interval can be set from 1 up to 10 on the [SEQUENCE] menu.



. SEQUENCE : Set it ON for Auto Sequence mode

. SEQUENCE DWELL : Set the screen display duration by channel. The switching interval can be set from 1 up to 10 sec.

- . ORDER : Select the channels for Auto Sequence.
- . USER DEFINE : Select the display channels for Auto sequence in Quad mode display screen.

.VIDEO LOSS SKIP :With Video Loss Skip [ON], channels without video input signals are automatically skipped and only channels with video input are displayed.

5.4.3 STATUS DISPLAY

Selects information to display on the live screens.



Digital Video Recorder 44 User's Manual Download from Www.Somanuals.com. All Manuals Search And Download.

 \cdot OSD [ON/OFF] :With OSD [ON], Status information is displayed on the live screen.

· CLOCK DISPLAY [ON/OFF] : With Clock Display [ON], the current time is displayed on the live screens.

- · HDD FREE SPACE [ON/OFF] : With HDD Free Space [ON], the free space for recording on the HDD is indicated.
- \cdot RECORD STATUS [ON/OFF] : With Record Status [ON], the recording status "S" is displayed on the corner of the screen during recording.
- TITLE DISPLAY [ON/OFF] : With Titles Display [ON], the titles of [CH1~4] set on the Channel Title submenu by users are displayed on the live screens.
- · EVENT DISPLAY [ON/OFF] : With Event Display [ON], the event information is displayed when an event occurs.
- · OSD CONTRAST : Set the contrast for Menu OSD. The higher the %, the darker the OSD.

5.4.4 SPOT

The SPOT menu is available for only SVR-940.



- TITLE DISPLAY : Select whether to display the channel name on the SPOT screen.
- · SPOT MODE

Manual : Select [Manual] and save this setting.

Press "0" on the system front button or "10" on the remote controller ("SP" is displayed on the left upper corner) and press the number of the channel. Then the SPOT channel will be displayed on the SPOT monitor. In order to cancel this setting, press the ESC button.

Sequence : Set to display one SPOT channel in sequence.

5.5 RECORD SETUP

This is a set up menu related to the DVR system. Press the MENU button and select the Tab using the Left/Right button. The submenu related to the system then appears as illustrated below. Press the ENTER button and select the submenu using the Left/Right button. Then press the ENTER button again and you can select setup items using the Left/Right button.



5.5.1 GENERAL SETUP

1. IMAGE SIZE

Recording Resolution can be selected.

The higher the resolution the system is set to, the better the recording, but the more space the system needs.

The Monitoring screen can be recorded on the system's HDD.

2. REPEAT RECORD: Set whether to repeat recording.

- [YES]: If no storage space is left on the HDD, recording is continued by overwriting the oldest data.

- [NO]: If no storage space is left on the HDD, recording is stopped.

3. WARNING MESSAGE

When the remaining capacity of the HDD reaches a predefined percentage, a warning message is displayed to users. The warning level can be set from 1 to 10%, $5 \sim 10\%$ in general.

4. HDD WARNING BEEP

When the remaining capacity of the HDD reaches the predefined percentage, a warning beep is activated.

5.5.2 DETAIL SETUP



. CHANNEL : Select the channel for which to set DETAILED SETUP.

MODE : Select one of four recording methods below.

CONTINUOUS	Continuous recording mode for 24 hours a day					
SCHEDULE	Reserved recording					
MOTION DETECT	Recording is activated when the system detects motion from input video images.					
SENSOR	Recording is activated when the system detects sensor operation.					
DISABLE	This is the setup mode to disable recording					

 V-LOSS :V-LOSS can be recorded when 'DETAIL SETUP/MODE' is set as MOTION DETECTION or SENSOR and 'DETAIL SETUP/PRE EVENT DURATION' is set as 'ON'. In case of recording 'V-LOSS', the data is recorded on a Log file.V-LOSS data can be searched for from the SEARCH menu according the time when the V-LOSS occurred as recorded in the Log file. (Please refer to 4.5.6. Log file search)

• SCHEDULE : Press the ENTER button when the cursor is on SCHEDULE, and the schedule setup screen appears as illustrated below.

SCHDULE										1								đ	60					
COPV A	10	20				œ	90						0	0	W	TC)			Q	XN			
	0	1	2	3	4	5	6	2	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
SUN																								
MON																								
TUE																								
WED																								
THU																								
FRO																								

A Schedule can be set 24 hours a day.

- \cdot S : Sensor record
- ·-:No record
- \cdot C : Normal record
- \cdot M : Motion detection record
- ·T:Text record

IMAGE QUALITY [High/Mid/Low]: Set the compression level for images to be stored. At a resolution of 720X480, the system records at max. 30 fps. At a resolution of 360X240, the system records at max. 12 fps.

PRE EVENT DURATION : This is the pre-event recording setup. It automatically records 5 seconds of pre-event data if you set it to 5 secs. Pre-event recording is not activated if you set it to OFF.

POST EVENT DURATION : Recording continues for the predefined time following the occurrence of an event. The available setting values are from 1 to 20 seconds.

AUDIO : Select whether to save audio data along with video.

SENSOR SELECT: Set it to ON to activate the sensor.

5.6 EVENT SETUP

This is a set up menu related to the DVR system. Press the MENU button and select the Tab using the Left/Right button. The submenu related to the system then appears as illustrated below. Press the ENTER button and select the submenu using the Left/Right button. Then press the ENTER button again and you can select setup items using the Left/Right button.



5.6.1 EVENT

EVENT BEEP : Select whether to turn the buzzer ON or OFF.

EVENT AUTO SEQ : Set to display in full screen the channel that the event activated. EVENT TIME : Set the full screen display time when the event was activated. (3 to 5 seconds) During this EVENT TIME, other event-activated channels record but do not display in full screen. Only after this EVENT TIME ends, can other event-activated channels be displayed in full screen.

TEXT MONITORING : Set whether to display POS information such as product name, price,

SENSOR : Select the channel for sensor setup.

- SENSOR TYPE : Select the sensor type. (N/O, N/C)
- N/O : NORMAL OPEN type sensor
- N/C: NORMAL CLOSE type sensor
- OFF : Set the sensor OFF

5.6.2 MOTION DETECTION

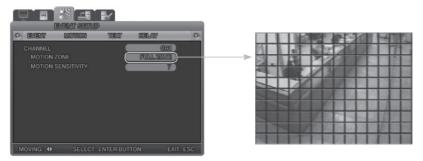
After setting RECORD MODE/MOTION, set the motion detection for every

CHANNEL : Select the channel for motion detection setup.

MOTION ZONE : Select the area for motion detection to Full or Partial zone.

- FULL ZONE : Detects motion by analyzing the changes in Full images from cameras.

- PARTIAL ZONE : Users can select the desired zone for motion detection.



MOTION SENSITIVITY : You can set the sensitivity to changes on a screen from 1 to 9. Higher values mean more precise motion detection.



This menu is to setup recording of POS data over video. In order to match it with an input device and its protocol, assign a HEADER1/2 and DELIMITER and set the line to display the data.



· SYNC CHANNEL: Select the channel to display TEXT data from a POS device.

· DEVICE

- NORMAL : Select NORMAL when connecting a normal input device such as a bar code scanning device.

- Finger 007 : Select 'Finger007' when connecting a finger print scan device.
- · CHECK PROTOCOL
- HEADER1
- HEADER2
- DELIMITER

- LINES : Set the number of lines to display TEXT data.

5.6.4 POS quick guide

Connect the system to the POS device using a serial cable. In order to display Text data over a screen, at least one of the channels is to be set to TEXT recording mode and TEXT display. Set whether to display TEXT data over a screen from SETUP 'EVENT SETUP' EVENT – TEXT MONI-TORING. Select the channel to display TEXT data over a screen from SETUP 'EVENT SETUP 'EVENT SETUP 'EVENT SETUP 'EXT – SYNC CHANNEL. POS TEXT data is displayed only over a full screen, not on quad split screen.

 • DEVICE : NORMAL / Finger007 type are available. NORMAL means a normal input device such as a bar code scanning device. Finger007 means a finger print scan device.

 \cdot PROTOCOL : When PROTOCOL is set to $^\circ \not\!\!\!\!\!\mathcal{E} OFF^\circ \not\!\!\!\mathcal{O}$, header 1, header 2, and delimiter are not activated.

· Header1: Input letters that indicate the beginning of TEXT data in order to analyze device data.

· Header2: Input letters that indicate the beginning of TEXT data. (Two Headers can be input.)

 \cdot Delimiter: Input letters that indicate the end of TEXT data

· LINES: Set the number of lines to display TEXT data.

Ex) The following are sample data from a POS device.

Kalatel Quick-Easy Mart<0D><0A> 3197 Airport Loop Drive<0D><0A> Costa Mesa, Ca. 92626<0D><0A> <0D><0A> Candy Bar \$1.49<0D><0A> Soft Drink 64oz. \$2.49<0D><0A>

When CHECK PROTOCOL is set to OFF, a different data format from the above is displayed. When HEADER1/2 is set to none and DELIM-ITER is set to <0D><0A> and LINES is set to 10 lines, TEXT data is displayed as below,

Chips	\$0.99<0D><0A>
	<0D><0A>
TOTAL	\$ 7.99<0D><0A>
<0D><0A>	

ID = /11	7085 LEURIDE2/48 19:5928	- (7000)
	EbudosPinnes = Marani Budo Time = The Dee 18 186828 3 Paining Outsbe-Rasy Mar 2027 Aligant Leage Subse Costs Micro, Co., 25193	
	Omedy Bar (84.49) Soft Ontak Close (87,49) Chips (80,59)	
	Tatal 37.59 CH1	

Kalatel Quick-Eas	y Mart
3197 Airport Loo	p Drive
Costa Mesa, Ca. 9	2626
Candy Bar	\$1.49
Soft Drink 64oz.	\$2.49

Chips	\$0.99
TOTAL	\$ 7.99

POS scenario

LIVE SCREEN

POS TEXT data is displayed only over a full screen, not on quad split screen, and is displayed for 3 to 4 seconds.

PLAYBACK SCREEN

POS TEXT data is displayed only over a full screen, not on quad split screen.

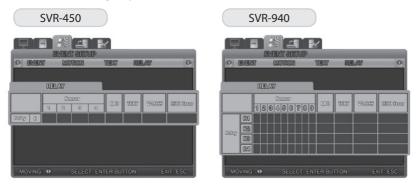
When the linked channel is displayed in full screen, the TEXT data is displayed over the playback screen.

Up/down button: Press the Up button to display TEXT data and press the Down button to hide TEXT data. (Available during playback and pause.)

Left/right button: Press the Right button to display the next page of TEXT data and press the Left button to display the first page of TEXT data.

5.6.5 RELAY

This menu is for setting relay.



SENSOR (CH1,CH2,CH3,CH4) : When the sensor of the selected channel is activated, the system relays out.

MD : When motion of the selected channel is detected, the system relays out.

TEXT : When POS is activated, the system relays out.

V-LOSS : When there is a video loss, the system relays out.

HDD ERROR : When there is an HDD error, the system relays out.

Digital Video Recorder 51 User's Manual

Download from Www.Somanuals.com. All Manuals Search And Download.

5.7 NETWORK

5.7.1 NETWORK

Set the necessary items for network connection to a computer.



• NETWORK TYPE [ADSL/LAN/DHCP] : Selects the network type to connect to a computer.

· IP ADDRESS : Enters the [IP ADDRESS] that the relevant Internet service provider assigns to a user.

- SUBNET MASK : Enters the [SUBNET MASK] address that the relevant Internet service provider assigns to a user.
- · GATEWAY : Enters the [GATEWAY] address that the relevant Internet service provider assigns to a user.
- · DNS : Enters the [DNS] address that the relevant Internet service provider assigns to a user.
- · ID : Enters a User ID registered with the relevant service provider.
- \cdot PW : Enters a User Password registered with the relevant service provider.

· DDNS SERVER ON/OFF : When the DVR is connected to a dynamic IP, the IP address

changes every time it attempts to connect to the ISP. In this case, there is no way for a user to know the changed IP address. If a DVR that uses a dynamic IP address is registered with its domain name, the domain name can easily be found and can be connected even if the IP changes.

DDNS SERVER DOMAIN ADDRESS : Input the domain address of

the DDNS SERVER that it is using.

5.7.2 DDNS Register

- \cdot ID : Input the registered ID at www.samsungipolis.com .
- $\cdot\,\text{PW}$: Input the registered PW at www.samsungipolis.com .
- 1) Users can set the DDNS in the setup menu of the SVR-440/940 as below. Select the Network menu and the following screen is displayed. Set [SWR] to [ON]



This is all about DDNS setup in the DVR unit.

5.7.

2) After finishing the above step, please take the next step with the DDNS server. Please refer to Chapter 5.8 DDNS Registration.

3 Client access	
NA TEL (X AND A CALL)	
NETWORK TYPE IP ADDRESS SUBNET MASK GATEWAY DNS	
UND COMPANY AND CO	
MOVING: SELECT: ENTER B	UTTON EXIT: ESC

 \cdot PORT : When connecting to a PC, the ports can be changed.

To connect the SVR-450 to a router, all three ports need to be set.. Default setting port on DVR: Control – Connect, PTZ, Events and other control data Default setting port +1:VIDEO Default setting port +2: AUDIO For example) Default setting port on DVR: 3495 Setting port for VIDEO: 3496 Setting port for AUDIO: 3497

 \cdot CLIENT ACCESS : Set the Network access password.

 \cdot BANDWIDTH SAVING : Select Bandwidth Saving ON, and frame rate transmission reduces to 1fps.

5.7.4 RS-232

This menu is for setting a connection with a POS device.



- · SYSTEM ID : Set the system ID.
- · BAUD RATE : Set the data transfer speed per second.
- · DATA BIT : Set the data transfer bit-rate.
- · PARITY BIT : Set the type of error checking for data transfer.
- \cdot STOP BIT : Set the insert bit after data transfer.

5.7.5 RS-422/485

This menu is for setting a connection with Cameras and CCTV devices.

- · SYSTEM ID : Set the system ID.
- · BAUD RATE : Set the data transfer speed per second.
- · DATA BIT : Set the data transfer bit-rate.
- · PARITY BIT : Set the type of error checking for data transfer.
- · STOP BIT : Set the insert bit after data transfer.

5.7.6 E-MAIL

In case of still image capturing at an event, input the IP address to send this captured image to.

The conditions of sending e-mail

- · If the setting value is 'Motion', 'ON', 'ON', the DVR will send e-mail with JPEG file when event occurs.
- When setting value is 'ON', if the system IP is changed by using dynamic IP, the DVR will send e-mail include changed IP information.



- · SEND E-MAIL : Select ON for E-mail sending.
- MAIL ADDRESS : Press the ENTER button to display the Keyboard screen and select the correct E-mail address.
- MAIL SERVER IP: Please keep the default value. ID : Input the registered ID of the MAIL SERVER. PW : Input the registered PW of the MAIL SERVER.
- RETURN MAIL ADDRESS : Input the e-mail address to return an undelivered mail to the mail address that is set from MAIL ADDRESS.

5.8 DDNS Registration

5.8.1. DDNS Registration Procedure

1) Sign up at iPOLiS website

The website : www.samsungipolis.com



- Agreement the general terms and conditions

5	
izzar .	
Michael V 2013 Un product on State radio on allow and a low COLL products (Straight View and annual Un representationing), concentration of COLL products (Straight View) of the Additional Units of the Additional Straight View and Additional Straigh	
Units, Borres San Mon 601 40.5	
B 104	
	Second of Reference & Second S

- SIGN UP page : check ID availability

POLIS		PRODUCT ISNEE	anci annor	MY POLIS
			-	53
ED			100	P
-			100	Contraction of the second
SIGNUP.	8 HOLD			i apara no a
Dipi Ko Lagin DUPM Sketch	the set of		into Design Historia Internet. Andreadyna for POLIE antes.	
	Manage year arrest			
d manaryan	14 (III)		 Exception and the second s	
2 84			COMPANY DESIGNATION OF T	P Charles from to bring the
C CARGO CONT	- FARSHORE CIVICE		CONTRACTOR AND ADDRESS	MAXWELL STORE
\$	- 8447		# Montemanian and	VEDDA HITCH/Y
	1.00	- 8	ID SEARCH	
	-1.864		D acement	0000000000
	- Address	PERMIT	Canada B. Anada A. Big	
	-111.		_	
	- WORLD FLOW		Cresh & u	
	Nature concurs accord		998	5,05 1

2)The product registration is possible after sign up.

- Sign in at iPOLiS website

di.	-0	- 14004080	Table 1
- W	MEMBER JOH	6PV-S24	NDH .
Login	Spin and Spi	100.00	

- Product List (If you didn't register products, there are no list)

Proc	keri tiel						ay instant yourse	ada di
ė		t, session in	Fis-displayed. Latituda, dat Product Regime					
		increal.	in die	Thin	Vice	interesting.		
1	2010	10-10	In High Call 10 Sect.	097		100000	and the second	-
а.	10.000	den stat	deletation in the		and the second	distant in	Million and Par	-
4	4440	041-06	140	99	10.000	1000	1000	-
							Product Negl	in die

- Product Registration (Check ID availability)

 Manufatore information 			
	hite Conservation in cond-	A. ANNUAR, 277	
Witnesdel -	 Destinan & all Mar Distances in Intell - The March Networks (All Hard & WE Net March Learning Destination of All Hard Networks) - Networks and All Hard Destinations - Networks - Network - Networks - Networks - Network - Networks - Networks		
PARAMETER -		and the second se	
Photophoto concer-		ID.5548CH	00000000
CLASSFELCTION -	Dana		
MIDE MARTIN	line #	SHILL B ASSAULT	000000
		INVESTIGATION OF	145
- Locarami	Determine the localization install the master - Declaration for installation installation within 1		00090
	- The set of the set o	0.0FM	9,00. 1
- NUTCHIP TON	- Testine projet to surgered party		



- Check the registration at product list

	Game	treated in	f it division of				
1			a artise dag, plain Despited Register	dare had be look			
80		words.	lanater.	This	No.	Internation.	Revenued.
1	perior (1993)	104-040	In ROCHTRON	08	1.000	(Second)	Carl Street
а.	100305	310-324	description of the	.00	and the second	given a	HERE BEEN
4	4446	00.490	1.00	077		10000	
							Protect Percentation

3) DDNS Configuration at DVR

Press the MENU button, then select [Network] on OSD Menu.

- DDNS > Select 'Yes'
- DDNS SERVER DOMAIN NAME > Enter the DDNS server address (Default:www.samsungipolis.com)

 \bullet ID & PW > Enter the ID(Domain) & Password using the product registration at iPOLiS website.



The DDNS configuration at DVR is completed.



4) The connection status of selected product can be checked on product list.

8	Garan	(product in	f is-dispilgard. A Mitcha, dait Product Register		_		
10	0	west	to also	Thin		information .	Renamed
1	101/101	19-50	To RECOMPTING AND	0.0	1000	pictors.	1000
3	10101030	10-04	designation of the	00	HEAT IN COLUMN	percent.	HIGH BOTH
4.	-00400	56-96	144	077	10.7720	10000	Intelligence

 [VIEW]
 :See the log-in page of selected product

 [Edit]/[Delete]
 :Edit/Delete the selected product, password is needed for checking



•The product 'ID(domain)' can not be changed at registered status. When the product needs to change the ID, first of all, delete the desired product, and register product again.

5.9. Instructions on using DDNS

1) Product information confirmation.

iPOLIS	_	WATER	ous	MODUCT BINE	URVCI	LIPOR	MYIPOL	.8
	a t					ayılam.	5	5.8
100		1				190	0	
IV IPOLIS	8 Print	and Unit						og itter :- Paular I I
At d'agenesi Pa	*			i is-displayad. In Toold, shit Toolash Rapid	alaan ah ka ka ka	-		
in single of the second s	*	Trusto	derotind to of			-	klassika	Research
annarras i	*	Fronto D	devolutions which	Arthoda, dat Nockel Reput				Research
	*	Truck D 2-1/20	April 104	Lo vier	Titules	1110	\bigcirc	
annairean an	1	Provide and Coll and	April 104	London London Pro HTS CHITTER Dowl childrace with the bas	Tibles (27	U.a.	\bigcirc	



- under 'Product Information'

Product Information		
- 00,346,640)	nyor.	
- PRODUCT	de careto	
MILL REAL	12.000	
- OLASSIECASION	107	
	IM 1 I N	
- International Society	202411-08	
- NAME AND DOCUMENTS		

- Checking the product information (Product, Model Number, ID(Domain), MAC Address, etc)

2) Video playback function

iPOLIS		WATER	ous	MODUCT BIDHE	awca	LINGET	MY IPOL	R .
				ng Newerk Sen		any term	-	71
IV POLS	1 Per	And Unit						iq IIIII S Parket
Use of regionsed lifes - +	-			i In-Ongelegand. I Arline Ad, data Throphol Theopen	der 1 d by byk	-		
	100		and	Lo alter	Thinks	10.0	bleeske.	Received
di commissione di				The HTD-CHITTE Browl	077	and second	80773	Gentle ganne
y		1000	1000	the second of the second second				
g manage	+	1000	10-10	characterize as inc.	0+	HEAT AND	0000	-
y	1 	#10.05				\square	82323 82323	-

- View : Move to the login web page of selected product.



•If you want to multi channels live monitoring, searching/playback simultaneously, we recommend to using SNM-64S/P s/w program. The iPOLiS web site doesn't support multi [View] connection at one PC.

3) Product maintenance functions.

'Product maintenance' and 'edit/delete' products registered in the product list can be selected. User

will be transferred to the appropriate page when the security code is entered. Product 'ID(Domain)' cannot be edited so if deleted, 'ID(Domain)' must be re-entered.



i. Editing product profile

iPOLIS		WATER	ous	MODUCT BENE	awca	LIPOT	MY IPOL	LIS
۰	:. 41 -					ayıbam.	-	
IV POLS	1.000	And Unit					-	iq (2011) Period
Out of regiment if a -			d south and line	i a-tholisari.				
or a square of a	- 19			Articular, data Propinsi Regist	dent of the lasts	en. 1		
(9	Truck	develop to a			-	isteen der	Research
(-	Truck	develop to a	Arthoda, dat Nockel Reput			Linealise B1223	Research PERSON PROVIDE
		Front D	April 100	Lo vier	Titules	iles.	laterater B2223 B2223	
(0 201/08 201/08	April 100	Lo clim Tra Hillion Tra Hillio Colifitis Dawl	78.84 (37)	10.0	80223	-

- Click the edit button from the product list

5.10 Editing registered product

ii. Deleting Product

POLIS		ANTES.	ous	ANODICT BIDM	IBNCE	EURORT .	MUPOL	18
					over lance		6	31
		6	N. (C. 1	ALL MALL	SITN	200	0	
Y POLIS	i not	and that					- ·	q Inter S Product
			i rentant in	in-department.				
e angevent in in	*			Articulat, data Propinsi Regi	Andres' of the lasts	-		
and register Ph 1	*	Truck	derected to re-	i e for da, dat Produit Ruge		-	isteen der	Research
	-	Truck	Acceleration of the second				lateration (2000)	Responsed
		Front D	Acceleration of the second	Lo clin	These	ii.e		

- Click delete from the product list
- Registered product is deleted

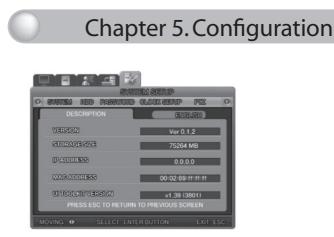
5.11 System setting

This is a set up menu related to the DVR system. Press the MENU button and select the Tab using the Left/Right button. The submenu related to the system appears as illustrated below. Press the ENTER button and select the submenu using the Left/Right button. Then press the ENTER button and you can select setup items using the Left/Right button.

5.11.1 System



- LANGUAGE : Selects the language for the Menu screen. 10 languages including Korean and English are available.
- · KEY BUZZER : Selects whether to generate a key sound when pressing the buttons.
- · DEFAULT : Initializes the setting values of the unit to the factory default values.
- REMOTE SETUP : Selects whether the system settings can be changed from a remote site over the network.
- REMOTE CONTROLLER ID : Set the remote control ID. A remote controller ID can be selected from numbers 0 to 9. The remote controller ID is displayed with an icon such as R:1, R:2 etc on the screen. If you select 0, it appears as R:A on the screen and the user can control all the DVRs by using only one remote controller.
- DESCRIPTION : Detailed information about the unit such as the S/W Version, HDD capacity, IP Address, MAC address, and UI TOOLKIT Version.



• TEST MODE : Select to upgrade the firmware of the system. Please refer to Chapter 5.14.1 Firmware upgrade.

5.11.2 HDD

HDD FORMAT : Select whether to initialize the HDD. Select ON to delete all data saved in the HDD and the unit will automatically reboot for system stabilization.

HDD DESCRIPTION : Detailed information such as the size, and recording start time of the HDD.



5.11.3 Password

Set the Admin and Network Passwords and set each limitation according to each password. The DVR supports one ADMIN and three USER accounts.

· USER AUTHENTICATION : The DVR requires each user to sets up a password in order to be able to control the given functions.

The password should consist of four numbers. (e.g.1,2,3,4)

· USER PASSWORD : Set the user password.(Admin, USER 1~3)

A password is composed of digits from 1 to 9

• EVENT BEEP : The system will beep out when a user inputs the wrong password more than three times.



5.11.4 User Authentication

Select whether to pop up window that asks for a Password.

NAME	PASSWORD	MENU	PTZ	B/OF F	PB	P/OFF	P/ON	N/MIC
PASSW	ORD CHECK							
ADMIN	3							
USER1								
USER2		2						
USER3								

When it selects to pop up a Password window, the user is shown.

- 1. Authorization functions
 - Administrators build the system considering the two factors below.
 - i. Select the functions whose use is to be restricted.
 - PASSWORD CHECK = O : Function that only a designated person can use.
 - . The USER who uses the function must be selected.
 - → In order to execute the function, the designated USER (the USER who is selected on the LIST as 'O') must obtain authorization using his own PASSWORD.
 - ii. Select the functions whose use is not to be restricted.
 - ▶ PASSWORD CHECK = X : Function that any person can use.
 - \therefore The USER who uses the functions does not need to be selected, because the functions can be used by any USER.
 - The USER selection function cannot be used.
 - \rightarrow In the case of 'PASSWORD CHECK = X', all items in the line are initialized to 'O'.
- 2. The authority to view the 'SYSTEM SETUP-PASSWORD-USER AUTHORIZATION' page
 - Only an administrator can view this page.
 - In the case of 'PASSWORD CHECK = X', the system does not archive any data about who logs into the system menu.
 - ▶ Everybody can view 'SYSTEM SETUP-PASSWORD-USER AUTHORIZATION'.

When the user is the only one who operates the system, this setting can be available. Only when the 'PASSWORD CHECK' is set to 'O' can a discriminatory authority be set for each of the functions.

- · MENU : Set the authority to use the MENU function.
- PB : Set the authority to use the PLAYBACK function.
- · PTZ : Set the authority to use the PTZ function.
- \cdot R/OFF : Set the authority to use the Recording Off function.
- \cdot P/OFF : Set the authority to use the Power Off function.
- \cdot P/ON : Set the authority to use the Power On function.
- \cdot N/MIC : Set the authority to use the Bi-directional audio function.

* When the 'PASSWORD CHECK' is set to 'X', everybody can view 'SYSTEM SETUP-PASS-WORD-USER AUTHORIZATION'

'X' : Everybody can view and use the function regardless of user authority. (No password necessary)

'O' : Inaccessible to users without permission even if the password is known.

5.11.5 CLOCK SETUP

Set the system date.



· CLOCK : Set the system time. The unit will automatically reboot for system stabilization.

		and the second	4	-2	1			
			8	SYSI	EM SET	P		
0	SVSTEM	HID	PASSW	ORD	OFOOK &	ETUP	PTZ	0
Г							3)	_
	DAMLICIT	SAVIN	6				OFF	
	DS	I STAR	T 🚺		MA	R 1ST S	SUN 00:00	
	0	st eni		_	MA	R 1ST S	SUN 00:00	
	DATE	SEUU		_	200	8/02/25	5 13:46:33	
				-	_			
	OVING: 4		SELECT:				EXIT: E	

- DAYLIGHT SAVING : Select whether to apply Daylight Saving Time.
- DATE SETUP : Set the system time.
- NTP : NPT is an abbreviation for Network Time Protocol, which is for synchronizing the clocks of computer systems over variable-latency data networks.
- TIME SERVER : Input the address of the NTP TIME SERVER.
- GMT : Greenwich Mean Time (GMT) is a term originally referring to mean solar time at the Royal Observatory, Greenwich in London. Because NTP synchronizes clocks with Greenwich Mean Time (GMT) regardless of geography, users must set their own time difference. (Ex.: KOREA GMT +09:00)

• DATE MODE: Set the date format. There are three type of date format.

- YEAR/MONTH/DATE YEAR-MONTH-DATE
- MONTH/DATE/YEAR MONTH-DATE-YEAR

- DATE/MONTH/YEAR - DATE-MONTH-YEAR

. MONTH TYPE : Set the month format, such as the English abbreviation and the number.

5.12 PTZ

This is a set up menu related to the DVR system. Press the MENU button and select the Tab using the Left/Right button. The submenu related to the system appears as illustrated below. Press the ENTER button and select the submenu using the Left/Right button. Then press the ENTER button and you can select setup items using the Left/Right button.



5.12.1 Setting for each channel

Set the camera ID and model for each channel.

- · CHANNEL : Select the channel to set.
- · PTZ CAMERA ID: Set the IDs from 0 to 255 for each camera connected to the system.
- MODEL : Set the camera model. Please select the correct model name because each camera manufacturer applies different camera control protocols.

Available models

- Samsung Electronics : MRX-1000, MPT230
- Samsung Techwin : SPD-3300,2300,1000
- PELCO : PELCO(P), PELCO(D), CM6700
- SRX : SRX-100B
- DONGYANG : DSC-230S/230M/240, DCP-100, DRX-500/502A
- Others :WON WOO, CANON, DYNACOLOR DSCP, COSTAR2500, KALATELKTD-312, SEN-SORMATIC PTZ, ELMO PTC-200, WOOJU(DRX-502A), KCC-PT400, VIDOB-01,LG LPT-A100L,TSC,PIH-302,DS-120,SCC-641,WV-CS850,VC-C50I,NIKO NK-97,NEWBORN DOME, SJ-100,DY-255,HRX-700,ERNA
- VICON : VPS1300, V2311RB3, 422R
- CNB : PTZ102N,
- SONY : EVI-D30

5.13 EXIT MENU

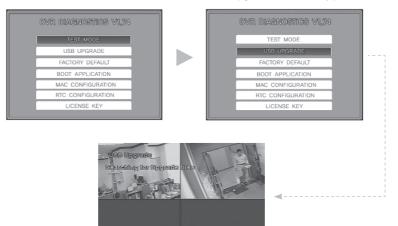
Press the ESC button to close the menu after setup. The confirmation box appears. Select YES and the setting values are saved.

5.14 ETC

5.14.1 Firmware Upgrade

Users can upgrade the software by doing a firmware download. You can download the firmware with a USB Memory stick.

- ① Select 'MENU' and go to [SYSTEM SETUP]-[SYSTEM]-[TEST MODE].
- ② The DVR will reboot and the system will show the DVR DIAGNOSTICS MENU as below.
- ③ Please create a folder in the USB memory stick and name it 'UPGRADE'. Copy the upgrade file into the folder and connect the USB memory stick to the DVR. The folder's name must be 'upgrade'. If the folder's name is not 'upgrade', the system cannot download the correct firmware from the USB memory stick.
- ④ Select USB UPGRADE on the screen and the firmware upgrade automatically proceeds.



O When the upgrade is done, the DVR will be rebooted. Select BOOT APPLICATION in the test mode.

(8) The DVR will be rebooted again and go back to live monitoring screen mode. Now the

Notes

• The function to upgrade firmware over a network is not provided, because upgrading the firmware over a network could cause a fatal error in the system if th network got disconnected.

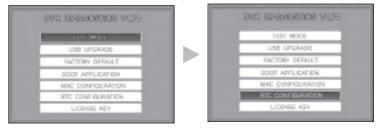
5.14.2 Index Start Fail

When the DVR system time is reset or mismatched, the message below is displayed. This message is displayed when the DVR system time is set to before of the time recording data on the HDD. If the DVR system time is set correctly, the DVR will not show the 'TIME MISMATCH' error message.



(1) When the above message is displayed, power the system OFF. Please the power the system ON, pressing the ESC button. (Press the ESC button and hold it until the initial message is displayed on the screen as below.) Then the system will ask whether to enter into the DVR DIAGNOSTICS MENU.

If the user selects [YES], the DVR DIAGNOSTICS MENU will be started. When the password is pre-set, the password window is displayed.



② Select 'RTC Configuration'. The picture below is displayed.

	ABURANCH	
AND A CONTRACT	2057	TEST MODE
2008000		USB UPGRADE
1561	28	FACTORY DEFAULT
MEALE	10	RORE APPLICATION
2,363	10	MAC CONFIGURATION
392	39	RTC CONFIGURATION
CONF RM	CANCEL	LICENSE REV

- ③ After setting the YEAR/MONTH/DATE/HOUR/MIN/SEC, press the ENTER button.
- ④ Please set the time correctly. If the time overlaps the final recording date on the HDD, the overplayed data will be deleted..
- ⑤ The DVR will be rebooted. Select BOOT APPLICATION.

Caution

- Please check if the USB memory stick is compatible with the DVR
 SAN DISK CO, PRETEC , LG, INNOTECH C&C, TRANSCEND, etc.
- "TEST MODE;"FACTORY DEFAULT,""MAC CONFIGURATION" is for manufacturer's use only. Please do not touch.

Chapter 6.Web-Viewer

6.1 Login page

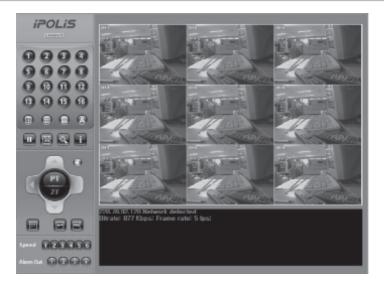
iPOLis	C.301
+ • MODEL 440/450/940 M • Connection Type 202121.60.188 • Port my940 • USER ID admin • PASSWORD •••••	
SANDUNG TECHNIN The pages look well with the explore 55 above Well Carena Soul Jon by Smarring Technin Co., Ltd Copyright (c) 2007 SAMSUNG TECHNIN CO., LTD WHM, Example Civ.com	

Items	Description
MODEL	Select the system to connect with[using? to?] Web-viewer. Select from '440/450/940'.

Chapter 6.Web-Viewer

Items	Description
Connection Type	If the system is using a Dynamic IP address, select 'iPolis Server'. To use this function, the system must be pre-registered in the iPOLIS home page and the NETWORK menu of the system must be properly pre-set.
IP/Domain	Input the IP address of the system if the 'Connection Type' is 'IP Address'. When the 'Connection Type' is 'iPolis Server', the default setting value is displayed. The default setting value is www.samsungipolis.com
Port	Input the port number of the system if the 'Connection Type' is 'IP Address'. Input the system ID that was pre-registered in the iPOLiS home page, when the 'Connection Type' is 'iPolis Server'.

6.2 LIVE mode

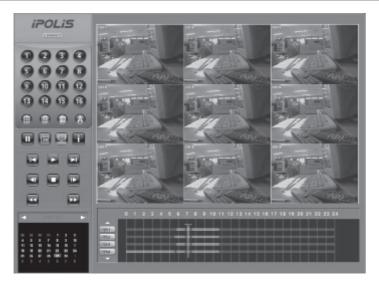


Chapter 6.Web-Viewer

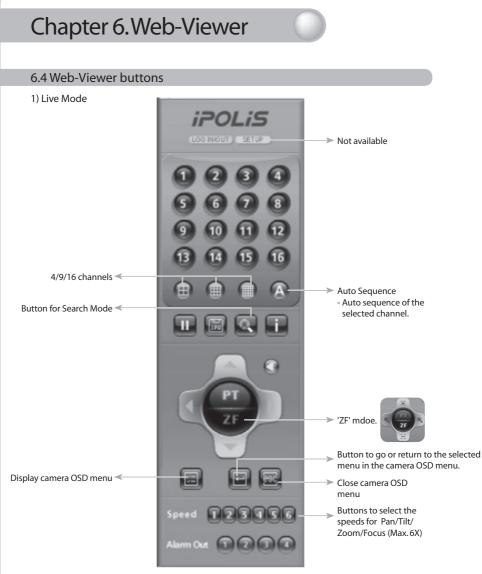
Buttons	Functions
	Button to select screen display from 4/ 9/ 16 channels. (4 / 9 channels screen display is available for SVR-450/940.)
۵	Button to activate Auto sequence mode. (= Auto Sequence)
	Button for playback pause. (Does not work in Live mode.)
	Button for saving JPEG images.
	Button to change to Search mode.
i	Not available in SVR-940/450 models.
0	Button to control audio. Works when the user logs in as 'Admin'.
PT Z	Button to change the PAN/ TILT mode of speed dome cameras. Before using this function, please set the PTZ field to '0' in 'SYS- TEM MENU / PASSWORD / USER AUTHORIZATION'.
	Button to change the ZOOM/FOCUS mode of speed dome cameras. Before using this function, please set the PTZ field to '0' in 'SYS- TEM MENU / PASSWORD / USER AUTHORIZATION'.
Q / Q	Button for ZOOM IN/ OUT.
E,E	Button for FOCUS IN/ OUT.
e,e,e	Not available in SVR-940/450 models.
123456	Not available in SVR-940/450 models.
r 1234	Button to control Alarm. (= Alarm Out)

Chapter 6.Web-Viewer

6.3 SEARCH mode



Buttons	Functions
	Button to change to Live mode.
	Buttons for playback 1 minute before/after.
	Buttons to start and stop play.
. . . .	Buttons to move 1 frame back/1 frame forward.
	Buttons to fast-rewind/fast-forward play. (2 x and 4x play speeds.)
	Window to display the calendar. Dates with recorded data are displayed in colors. When a date is clicked, the window below shows time bars with the data.
	Select the time to play the data.

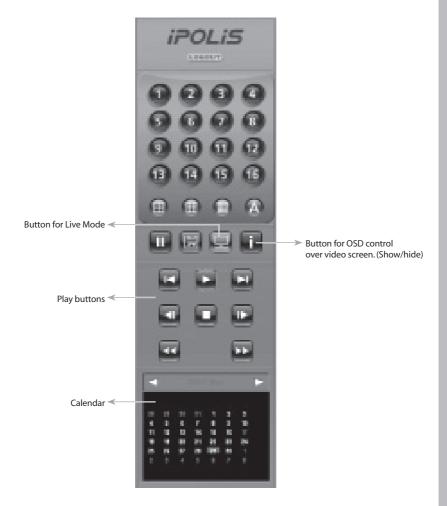


* Buttons for 'Zoom/Focus' of camera OSD control

	ZOOM IN	33	FOCUS IN
O.	ZOOM OUT		FOCUS OUT

Chapter 6.Web-Viewer

2) Search Mode



Chapter 7. Troubleshooting

The SVR-450/940 is a very sophisticated device, so failure can occur. In case of failure, please follow the instructions given below.

- The unit will not turn on even after plugging in the adaptor jack.
 - * Check whether the power cord is properly plugged in.
- · Images are not appearing on the monitor after plugging in the adaptor jack
 - * Check whether the video output is BNC or VGA (Check the dip switch at the rear.)
 - * Check whether the camera connected to the input terminal is properly connected.
 - * Check whether the brightness of the monitor is properly set.
- No audio in the recorded video
 - * Check whether [AUDIO] in [RECORD SETUP] of the Menu is [OFF].
 - * Check the volume of the CCTV monitor.
- The remote control does not work
 - * Check the battery and replace if necessary.
 - * Operate the remote control by pointing it directly toward the unit's receiver.
 - * If the unit ID and the remote control ID do not match, set the same ID for both devices.
- HDD recording is not performed
 - * The HDD will not record video if the service life of the HDD has come to an end or there are bad sectors in the HDD. In these cases, replace the HDD
- The unit does not perform Scheduled Recording

* Check whether the Scheduled Recording Start/End times and the current time are set correctly.

- The monitor screen is not clear.
 - * Check whether the camera's focus is properly adjusted.

· You need to contact your local vendor for the following problems.

- If any abnormal status in the unit is detected while the unit is being used (e.g. strange noises, smells or smoke is emitted)
- If the power cable connector is damaged
- If the unit is exposed to rain or water
- If a liquid is spilled on the unit or foreign substances have got into the unit
- If the unit doesn't work as defined in this manual
- If the unit is dropped and seriously damaged
- If specific changes in performance are identified

4CH/9CH Standalone Digital video recorder Specifications

Spec.		SVR-450	SVR-940		
Video	Input	4BNC	9BNC		
101	Maritan A		1BNC, 1VGA (Selectable),		
Video	Monitor A	1BNC, 1VGA (Selectable)	S-Video		
Output	Monitor B	-	1BNC (Single/SPOT)		
Compr	ression	MP	EG4		
	Speed	120fps	270fps		
Display	Resolution	720 X 480, 360 X 240	720x480,720x240,360x240		
	Multi screen	1/4	1/4/9		
	Speed	Max. 1	20fps		
Record	Resolution	704X480, 352X240	704X480, 704X240, 352X240		
	Mode	Normal, Sched	ule, Event, TEXT		
н	DD	160GB 1EA	250GB 1EA (Max.2EA)		
Backup	о/Сору	USB Memory Stick / CD-RW			
Serial Ir	nterface	RS-485/422			
Alarm Inp	ut/Output	4IN-10UT	9IN-4OUT		
Audio Inp	ut/Output	4IN-1	IOUT		
	Interface	RJ-45(10/100 Base-t)			
NETWORK	Protocol	TCP/IP, D⊦	ICP, PPPoE		
	Software	SNM-64S/P			
Remote	Control	To control up to 9 DVRs			
09	SD	GUI, Multi Language Support			
.	Operation	5°~ 40°			
Temperature	Storage	-10°~60°			
Power	Supply	12V DC Adaptor	AC100~126V/200~240V		
Consur	mption	Approx. 25W	65W		
Dimension		430(W) X 88.8(H)X 362(D)mm			
Wei	ight	8.9Kg	8.9Kg		

COMPATIBLE SATA HDD LIST

COMPANY	MODEL	SIZE	RPM	BUFFER	Reconi- tion	Record	Playback
	ST31000340SV (Surveillance)	1TB	7200 RPM	16MB	ОК	ок	ОК
	ST3500830SCE	500 GB	7200 RPM	8MB	ОК	ок	ОК
Seagate	ST3250410AS (Barracuda)	250 GB	7200 RPM	16 MB	ОК	ок	ОК
	ST3250310SV (Surveillance)	250 GB	7200 RPM	8MB	ОК	ок	ОК
	ST3160815AS (Barracuda)	160 GB	7200 RPM	8MB	ОК	ок	ок
	HDS721010KLA330	500 GB	7200 RPM	16MB	ОК	ОК	ОК
НПАСНІ	HDP725050GLA360	250 GB	7200 RPM	8 MB	ОК	ок	ОК
	WD3200AVVS	320GB	7200 RPM	8 MB	ОК	ок	ОК

Components

** SVR-450/940 can be connected to only SATA converter board provided with the product. Please refer to the install procedure of SATA HDD on the next page.

	1. SATA HDD BOARD
	2. SATA HDD
	3. SATA HDD BRACKET
0000	4. HDD VIBRATION ISOLATORS
TTTT :	5.SCREW
	6. SATA HDD JUMPER

SATA HDD INSTALLATION

1. Insert rubber rings to the bracket and screw the bracket to the HDD.





2. When assemble the SATA converter board, screw on the only upper-right corner like the picture below.



3. Select "Master" or "Slave" using the Jumper switch on SATA converter board. Set the Master/Slave using the Jumper switch.



In case of installing two HDDs, firstly set the Master/Slave. If One HDD is "Master", the other should be set to "Slave".



Set the Master/Slave using Jumper switch.

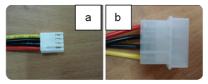
MASTER setting	SLAVE setting		



4. Connect the E-IDE & power cables.



Sub-power cable for SATA Converter board



a. Direction of the SATA Converter board b. Direction of the main power



Connect to the power cable



Connect to the E-IDE HDD cable

5. In case of installing two Hard Disk Drives.



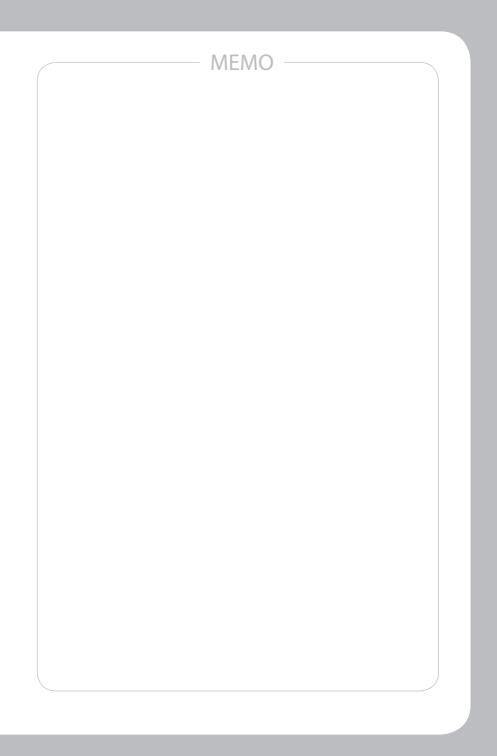


- Check the "MASTER" or "SLAVE" on the SATA converter board.
- Connect to the power(SMPS) using power cable. (1st HDD the main power cable, 2nd HDD the sub power cable)
- When you use two HDDs, HDDs should be same model and have same interface.
- Connect with E-IDE HDD cable and power cable.

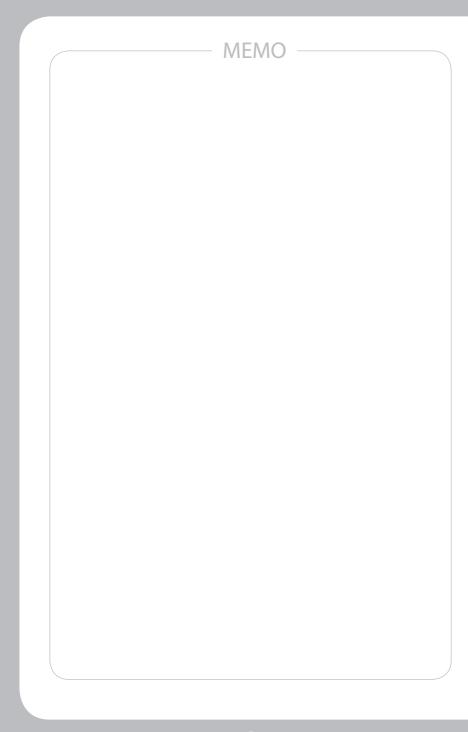
COMPATIBLE PATA HDD LIST

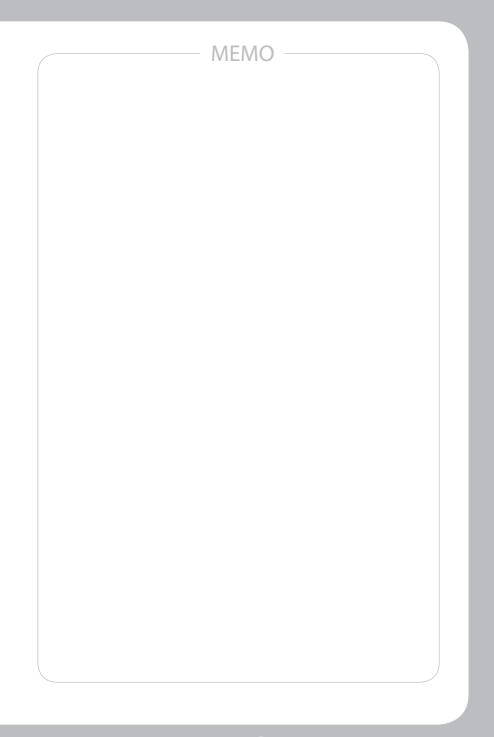
COMPANY	MODEL	SIZE	RPM	BUF- FER	Reco- nition	Record	Play- back
	HD- \$728080PLAT20	80 GB	7200 RPM	2 M	ОК	ОК	ОК
	HD- \$721680PLAT80	80 GB	7200 RPM	8 M	ОК	ОК	ОК
	HDT722516D- LAT80	160 GB	7200 RPM	8 M	ОК	ОК	ОК
	HDT722516D- LAT80	160 GB	7200 RPM	8 M	ОК	ОК	ОК
HITACHI	HDS722525V- LAT80	250 GB	7200 RPM	8 M	ОК	ОК	OK
	HDT722525D- LAT80	250 GB	7200 RPM	8 M	ОК	ОК	OK
	HDT725025V- LAT80	250 GB	7200 RPM	8 M	ОК	ОК	OK
	HDT725032V- LAT80	320 GB	7200 RPM	8 M	ОК	ОК	OK
	HD- \$725050KLAT80	500 GB	7200 RPM	8 M	ОК	ОК	ОК
MAXTOR	6L300R0	300 GB	7200 RPM	16 M	ОК	ОК	OK
SAMSUNG	SP0822N	80 GB	7200 RPM	2 M	ОК	ОК	OK
	SP1604N	160 GB	7200 RPM	2 M	ОК	ОК	ОК
Western- Digital	WD1600BB- 22GUA0	160 GB	7200 RPM	2 M	ОК	ОК	ОК
	WD2000BB- 00GUA0	200 GB	7200 RPM	8 M	ОК	ОК	ОК

COMPANY	MODEL	SIZE	RPM	BUF- FER	Reco- nition	Record	Play- back
	ST3400-15ACE	40 GB	7200 RPM	2 M	ОК	ОК	ОК
	ST3800-12ACE	80 GB	7200 RPM	2 M	ОК	ОК	ОК
	ST31200-25ACE	120 GB	7200 RPM	2 M	ОК	ОК	ОК
	ST31600-22ACE	160 GB	7200 RPM	2 M	ОК	ОК	ОК
	ST3300820ACE	300 GB	7200 RPM	8 M	ОК	ОК	ОК
Seagate	ST3300831ACE	300 GB	7200 RPM	8 M	ОК	ОК	ОК
	ST3400832ACE	400 GB	7200 RPM	8 M	ОК	ОК	ОК
	ST3400820ACE	400 GB	7200 RPM	8 M	ОК	ОК	ОК
	ST3500641A	500 GB	7200 RPM	16 M	OK	ОК	ОК
	ST3750840ACE	750 GB	7200 RPM	8 M	ОК	ОК	ОК
	ST3750640A	750 GB	7200 RPM	16 M	ОК	ОК	ОК



Download from Www.Somanuals.com. All Manuals Search And Download.





SAMSUNG TECHWIN SAMSUNG



SALES NETWORK

SAMSUNG TECHWIN CO., LTD. 145-3, Sangdaewon dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, 462-120, Korea TEL: +82-31-740-8151~8 FAX: +82-31-740-8145

SAMSUNG TECHWIN EUROPE CO., LTD. Samsung House, 1000Hillswood Drive, Hillswood Business Park Chertsey, Surrey, UNITED KINGDOM KT16 OPS TEL: +44-1932-45-5308 FAX: +44-1932-45-5325

SAMSUNG TECHWIN AMERICA Inc. 1480 Charles Willard St. Carson, CA 90746, UNITED STATES TEL:+1-310-632-1234 FAX:+1-310-632-2195 www.samsungtechwin.com www.samsungcctv.coppownload from Www.Somanuals.com. All Manuals Search And Download.

VAN 08.11

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com