# **Netclient User's Manual**

# V1.0

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## **Chapter 1 System Introduction**

This client software V1.0 is exclusively adapted to MPEG4/H.264 series DVR. Operation through network is achieved via this client software which is installed on your PC, performing functions of remote browsing and management.

### Main Function:

The main functions are listed below: remote monitor(Dual-Stream supported), play remote record file, remote host management, play local record file, remote bidirectional talking, support TCP/IP, PPPoE, PPP,USB client, network backup of recorded files, electronic map management, remote alarm local action linkage, circular monitoring, increase the 3<sup>rd</sup> party's software, alarm center, clock synchronization, the conversion of MP4 files to AVI files. Support both remote and local log inquiry.

## 1.1 Software working environment

The Netclient requires PC hardware setting as follow:

CPU: Intel pentium4 2.0GHz or over.

DDR: DDR 256MB or over.

Graphic Card: Independent graphic card with 64MB memory or over, support Overlay, integrate graphic card is not suggest.

Network Card: 100M or over.

The Netclient requires PC software must set as follow:

1.OS Requirement: WindowsXP, Windows Vista, Windows2000, Windows2003 or over.

2.Install DirectX 9.0 or higher version, the hardware speed up to highest level.

# 1.2 Steps of installation

Run "Setup.exe" to install file at installing directory. Read the contents of installation guide, complete Client software installation in turn. Like the picture 1-1, 1-2



Picture 1-1



Picture 1-2

Click "Next", the default directory for installation is C:\Program Files\DM642 Monitor System, User also can click "Browse" to choose the directory for installation. (Picture 1-3)

estination Location	
Setup will install DVR Monitor Sy	stem in the following folder.
To install into a different folde folder.	r, click Browse, and select another
You can choose not to install DVR	Monitor System by clicking Cancel to
exit Setup.	and the option of the thing cannot to
exit Setup. - Destination Folder	
exit Setup. Destination Folder C:\Program Files\DM642 Monitor S	ysten <u>Br</u> owse
exit Setup. - Destination Folder C:\Program Files\DM642 Monitor S	ysten <u>Br</u> owse

Picture 1-3



Select Application Language	
Select language for the application	
lease select the language that you wou	ld like to use for the application.
English	
Simplificate Chinese Traditional Chinese English	
Japanese	
se Installation	
	< Back Mext > Cancel

Picture 1-4



Diffe months System			
Start Installation			e
You are now ready to inst	tall DVR Monitor System.		
Press the Next button to reenter the installation	begin the installation information.	or the Back b	atton to
se Installation			

Picture 1-5

Picture 1-6



Picture 1-6



Picture 1-7

Click "Finish" button, exit installation; then enter User interface through "Start →programs→Dvr monitor System→ Netclient" refer to the picture 1-8 Morton PartitionMagic McAfee McAfee DM642 Monitor System DVR File Player Software Tools UNWISE

Picture 1-8

# 1.3 Steps of uninstall

In "Start-->program--> DM642 Monitor System-->Unwise", click "Unwise" to uninstall the DVR.

	MetClient
•	UNWISE

图 1-9

Picture 1-10.

Select Uninstall Method	9
Velcome to the DVR Monitor System	n uninstall program.
'ou can choose to automatically uni nade to your system.	nstall this software or to choose exactly which changes are
elect the Custom button to choose utomatic button for the default unin .eys (requires installation media).	which modifications to make during the uninstall. Select the stall options. Select Repair to reinstall changed files/registry
	( Automatic
	C Custom
	C Bepair
Wise Installation Wizard?	

图 1-10

Uninstall provides three model: Automatic, Custom, and Repair; like picture 1-11.

DVR Monitor System		
Perform Uninstall		٥
You are now ready to uninstall	the DVR Monitor System from your system.	
Click the Finish button to perfor options. Click the Cancel buttor	rm the uninstall. Click the Back button to change any of th in to exit the uninstall.	e uninstall
Wise Installation Wizard?		
	< <u>B</u> ack Einish	Cancel

Picture 1-11

"Custom" manually uninstall the Netclient Picture 1-12

Select Private F	ïles to Remo	ve			
The following files button to remove a	should be delet I of the listed fil	ed to remove th es or select the	e software from yo files individually.	ur system. Pre	ss the Select All
D-\88\DM642 Mo D-\88\DM642 Mo	nitor System/Va nitor System/W nitor System/W nitor System/M nitor System/S nitor System/S nitor System/Y nitor System/A nitor System/A	nguage\EN.ini etplay.dl etSDK.dl ap_back.jpg pcalPlayer.exe ouse.dl oundDut.dll etClient.exe alk.dl wnchronize.exe larm.wav ache.ini			×
	Selec	t All	Select	None	
Wise Installation W	'izard?	< <u>B</u> a	* <u>N</u> ex	t>	Cancel

Picture 1-12

"Repair" as follow, picture 1-13



Picture 1-13

"Automatic" as the picture 1-14

DVR Monitor System			
Perform Uninstall			Ó
Performing uninstall of DVR Mon	itor System		
Press the Cancel button to canc	el the uninstall process ar	nd exit this program.	
Removing File: D:\88\DM642 Monitor System\J	anguage\language_en.in	i	
Wise Installation Wizard?			
	< Back	Enish	Cancel

Picture 1-14

## 1.4 System initialization

After successful Client software installation, start Client program "Net Client" in start menu "start—» programs" in the system. After starting, the main interface is as follows picture 1-15.





Main interface can be divided into 5 parts: video area, Splitting Control Area, video channel area, system control-managing area, host information area.

Time of DVR includes Year, Month, Day, Hour, Minute, Second and Week. Click "Exit" to stop all the current operations and quit the system.

Local system needs configuring initialization, when Client software runs at first time. Please refer to section "4.7 Local Setting" to setup the whole monitoring system. The setup sequence is as following: host, co-activation setup, disconnection interval, circular monitoring setup, electronic map setup and OSD information setup, video format, the 3<sup>rd</sup> party's software setting, local Version, local Log.

# **Chapter 2 System Setting**

## 2.1 Device Management Setting

System control-managing area gathers all the operating control to Remote DVR and local system (Computer). Picture 2-1



图 2-1

Choose the "Device Management", as picture 2-2.



图 2-2

The first step, create the "Root Node", and name it; The second step, "Add Zone", and name it; The third step, "Add DVR", and set it(refer to the picture 2-4).

Device management	
	Create root node
	Modify root node
	Add zone
	Edit zone information
	DVR Add DVR
	DVR Edit
	Delete
Device management	Back
Device management	Back Back
Device management	Back Create root node Modify root node
Device management	Back Create root node Modify root node Add zone
Device management	Back Back Create root node Modify root node Add zone Edit zone information
Device management	Back Back Create root node Modify root node Add zone Edit zone information Add DVR
DVR DVR - MPS16 - 37 - 221 DVR setting	Back Back Create root node Modify root node Add zone Edit zone informatic Add DVR DVR Edit
DVR setting	Back Back Create root node Modify root node Add zone Edit zone informatio Add DVR DVR Edit Delete
DVR setting DVR information DVR IP addre 0 . 0 . 0 . 0 linkage port 9998	Back Create root node Modify root node Add zone Edit zone informatio Add DVR DVR Edit Delete
DVR setting DVR information DVR IP addre 0 . 0 . 0 . 0 inkage port 9998	Back Create root node Modify root node Add zone Edit zone informatic Add DVR DVR Edit Delete

Picture 2-4

## 2.2 User Management

DVR default only one administrator, the administrator can create "User", and set the required authority for the user.

Default Administrator Name: Admin Password: 333333

**W** Note: Only the administrator can manage the users, and the administrator can create as many as 32 users including admin itself. DVR can be logged in by 16 users at the same time. The monitor users are at most 24 and the playback users are at most 4 which can login at the same time.

### Add New User:



After login as administrator, click " logo, then choose the "Remote system config setting" within the appeared menu, then choose "User Info.", as the picture 2-5:

Username	User type			
Admin	Super user			
			Add user	
			Edituser	
			Delete user	

Picture 2-5

Click "Add user", comes to the dialog window as follow:

	Usernam User's pa Password	e    ssword   t verity			
Local operate author	ily				
F PTZ control	Manual record	F Playback	F Setting config	F Status examine	<sup>™</sup> High
The channel with loc	al playback authority				
Channell	F Charpel2	F Channel3	Charnel4	T Channel5	Channel6
Channel?	E Charmel8	🔲 Channel9	Channell0	Channel11	F Channel12
Channel13	E Channell 4	F Channel15	E Charanel16		All channels
Remote operate auti	nority				
F PTZ control	Manual record	F Setting config	🕅 Status examine	IT High	T Intercom
F Alarm upload	Control COM	C Local output	F Playback	F Preview	
The channel with mo	onitor authority				
T Channell	F Channel2	T Channel3	Chonnel4	Channel5	ChannelS
Channel7	Channel8	Channel9	Charnell0	Charmell1	Channell 2
☐ Channel13	🖂 Charmell 4	Channel15	Channel16		All channels
The channel with rer	mote playback authority				
Channell	E Channel2	Ehannel3	Channel4	T Channel5	Channel5
Channel7	Channel3	Channel9	Channell0	Channell 1	Channel12
T Drannell 3	Charmel14	T Channel15	Channel16		Al channels

### Picture 2-6

Set the username, password, and relevant rights for the user(Picture 2-6). After finish set, we can see the user name in the following list box(Picture2-7).

Username	User type	
Admin 255	Super user Ordinary users	
		Add user

Picture 2-7

Click the "Delete user" to delete a user account.

## 2.3 Local Setting

Press local setting button to flick up the menu for setting, kindly refer to the following picture 2-8

Local setting	
Stream mode	
Main stream	C Sub Stream
transfer mode	1
© TCP C	UDP C Multicast
Video format	
PAL	C NTSC
Mode of image Show	
Show by YUV surface	C Show by RGB surface
Others	
Directory of record download	C:\Backup
Directory of snap saving	C:\Capture
Directory of local record saving	C:\Record
	Auto Reconnect
	OK Cancel

Picture 2-8

Set items as follow: Stream Mode, Transfer mode, Others (Directory of record download, Directory of snap save, Directory of local record save).

Stream Mode: Main Stream and Sub Stream.

Transfer Mode:TCP、UDP、Multicast.

Video format: Select format PAL or NTSC for adapt to the DVR host video format.

Mode of image show: Show by YUV surface and show by RGB surface.

Auto re-connect: Auto re-connect after monitor cut abnormally

## 2.4 Alarm linkage Setting

Click the "Local data setting" button in the system control management area, then choose "alarm linkage setting", and comes to the picture 2-9:

DVR	/ Alarm mode	Alam linkage mode
MPS16 27	External alarm input	F Alarm log
221	C Video lost alarm	└─ Voice alarm
	C VMD alarm	Flicker of indicate light
	C Video shielding alarm	F Alam Pop up image
	C Full HDD alarm	
	C HDD unformat alarm	
	C HDD read error alarm	
	C Video format un-matching alarm	
	C illegal visit alarm	
		or 1

Picture 2-9

First of all, choose the DVR inside the list box, then choose the alarm type in the alarm type list, and then choose the linkage alarm type in the alarm linkage type box. Alarm with flip out image: when video lost alarm, motion detect alarm, or shelter alarm occurs, the alarm channel will flip out the monitor image under netclient available mode.

# 2.5 Circular monitoring

Press Circular monitoring button, the dialog box "Circular Monitor password confirm" appears, input the right password, the Client will start the Circular monitoring.

Circular added available DVR			Ade	d mode
⊕ DVR	- ~ ~ ~ ~ ~ ~			
		Screen switching time Total time Image quantity	15 30	Second Minute

Picture 2-10

When startup the Circular monitoring, please cut the windows of inspecting and remote replay first and then startup.

After startup, Circular monitoring button becomes the stop one . Client monitors all the attachable Channel of the first remote-port host connected with the host setting, arrives at the pause time of the single computer for Circular monitoring, then cuts all the connections with this remote-port host, continues to link all the attachable Channel of the next remote-port host, cycles to link and cut in turn, till the total monitoring time is full.

If the recorder with administrator login outputs alarm signal, the monitoring will make way for recording, after which, the monitoring will continue.

During this period, if the connection with one host is unwonted, Client reports error and stops Circular monitoring.

During this period, press the stop button for Circular monitoring by user, the Circular monitoring will stop manually.

When Circular monitoring is stopped, Client will not cut any monitoring linkage of current host, it will keep monitoring for this host DVR.

# 2.6 Electronic map

Press electronic map button 2, the map operation box appears at

down-right of the screen, as the following picture 2-11.



Picture 2-11

Click the "ROOT" with right key of mouse, and "Add Sub node", comes to the picture 2-12 :

select a appropriate image	1
Image name	
Image path	l

Picture 2-12

The general map displays all the DVRs distribution in the whole monitoring system. Zoom in the map in the dialogue box for precise location of each DVR.

Double-click on "Camera icon" to see the channel distribution. Zoom in the map in the dialogue box for precise location of each channel



Picture 2-13

### **Enable Electronic Map Monitor:**

When under disconnection mode, click the right key of mouse to jumps out the menu, then click the Connect term.

## 2.7 Remote Management Setting

In "Remote Data Setting-->Remote System Config Setting-->Network Config-->Remote PC IP Setting", After set the IP and port to a remote PC, as alarm occurs at the DVR, alarm information will be transmitted the remote PC, alarm sound are used to prompt alarm information's.

## **Chapter 3 Monitor Function**

## 3.1 DVR Information Column Operate

Kindly refer to the left side of main interface, all the information of DVR can be overview, include information of root node, area, details refer to the following picture 3-1



Picture 3-1

Within this column, it also provide functions as follow: Log out, DVR Status, Set defence, and dialog.



Picture 3-2

# Administrator Login

Before the administrator logins, click administrator login button, administrator login box appears, refer to the picture 3-3.

The client provides two login mode: normal login, force to login.



Picture 3-3

Force to login means force to logout the user who login first, when users have been 16 mostly.

The default username is "Admin", input the username and password, then press "OK", save and exit.

### **DVR Status**

After administrator logins in, the remote host sends real time status information to PC for display, these information includes: Recorder ID, on-line user information, channel state, system alarm information, system external alarm input information and HDD state. As the picture 3-4.

on leine	HDD	mosilion (	HDD canad	MMP1	Coare H	hisenso ()	HDD and	110
enal no.	2.0	position	220442	(MMP)	226761	о сараску(	Action Action	us
	5.0		230442		220701		ACTIVE	
Ionitor positio	n inform	hation		Ter i		1.5		Y
fonitor position	m	Record	1	Signals	tatus	Hardware	status	Linkage terminal am.
onitor positio	n1	Disable	e to record	Signal I	ost	Normal		0
Ionitor positio	n2 n2	Disable	to record	Normal		Normal		0
Ionitor positio	nd	Disable	a to record	Normal		Normal		0
onitor positio	n5	Disable	to record	Normal		Normal		0
onitor positio	n6	Disable	e to record	Normal		Normal		Ô
Ionitor positio	n7	Disable	e to record	Normal		Normal		0
Ionitor positio	n8	Disable	e to record	Normal		Normal		0

Picture 3-4

### Set Defence:

The Netclient provide set defance function, when enable this function, if the DVR occurs alarm(signal alarm, video lost alarm etc.), the netclient will receive those alarm information, then display on the log, and alarm. Alarm will proceed under mode which set in the "alarm linkage setting".

### **Cancel Defence:**

Under set defence status, click the DVR name with right key of mouse, and choose "Cancel defence" option to exit.

Note: After server reset, the netclient need to reset defence as well.

## 3.2 Video Channel Monitor

### Local Video Monitor start up:

Right-click idle video channel, the menu appears. (Starting the remote monitoring is also available in the electric map, please refer to the section of system control managing area.) as the picture 3-5.

Network Video Surveill	ance Dominated DVR:	221 Channel	status 1 2 3 4	5 6 7 8 9 10 11	12 13 14 15 16 ? -
2007-12-11 09:30:38 Tuesday DYR Information OVR 0 WHS16 + 37 0 100 100 100 100 100 100 100 100 100 1	<u>Connecti</u> <u>Blayback</u>	ng JDownload			
Alara information Alara PTZ Control - Aperture +	Preset setting Setting Cull Cruize	Video paraseter O O O O O O O O O O O O O	• •	Defealt Sec	

Picture 3-5

Choose the host DVR and channel requiring to monitor, then input username and authority password, press "connect" button. The system will show the progress of connection. If already login the DVR as admin., then no need to input password again.

Video monitor can connect to the different channels in different DVR, as the following picture 3-6.



Picture 3-6

### **Video Monitor Control**

When Remote monitoring, The Monitoring control bar offers video, single frame capture, mute, full screen switch, Cloud Terrace control, lens and aperture control function.

□Click "Begin record" inactive recording. Video file would be saved in "C:\Record" folder automatically. Saving record on the DVR is recommended when emergency happens during your remote monitoring.





□ **Single frame capture**: Single-click to create a bmp file, save in "C:\Capture" folder automatically, single frame capture offers the probability that every figure can be analyzed in detail.



Picture 3-8

**PTZ**, **lens**, **aperture control**:: Two operations are available, single-click for gentle adjustment and long-time press for important adjustment, which are used to control your remote monitoring equipment. (Only operation from administrator is accessible to this function)



Picture 3-9

**Full screen switch:** When already in full screen state press again to return original state. Please return to the original state when the menu for monitor and playback is required, which is not available in the full screen state.

□ Preset Setting: Move the PTZ to a required position by direction buttons, then input the no. of preset, and click "Setting" to save.



图 3-10

Call Preset: input a no. of preset, then press "Call", the PTZ will move to the required preset position rapidly.

Preset Cruise: Click "Cruise" button, the PTZ will move among the different

preset position regularly.

Local monitor video config setting:

It provide monitor chroma, saturation, brightness, and contrast setting.



Picture 3-11

### Video Monitor Close up:

Right-Click the video channel requiring stop, and within the appeared menu, Select the item of "Disconnect" or "Disconnect All", close the monitoring connection of current video channel, then video channel come back to idle status.

## 3.3 Record playback and download

### Record playback

The playback and download of this Netclient version provide 2 operate modes as follow:

1. Right-click "idle video channel", then choose "Playback/Download";

2. Select relevant channel of the file requiring, then click "**u**" to replay and start/end time of the record.

### Search playback by file:

Select relevant channel of the file requiring to replay and start/stop time of the file, no chosen channel means all Channel chosen.

Playback & Download Sayback by file   Playback by time		Channel select+	Time select (
Charrell C Darrell Charrell C Darrell Charrell C Darrell C Darrell C Darrell C Darrell	Charrell Charrell Charrell Charrell Charrell Charrell Charrell Charrell	File type Overal . Begarding time of the 2007: 0-21	B S
Senal. File name Sta	Preveni sepe Trint sepe	Record list+	
	1		
	1	)	
	_	Pipback control	
ownikad control currently file proceed Overall proceed	Developed Tree	Page Trace See Trace	Tat Not
			Ext

Picture 3-12

After inquiry, you can see the result as following picture 3-13 and picture 3-14: Note: "00" means the first HDD or first channel.



Picture 3-13

Playb	ack & Download						
<b>Tayback</b>	by file Playback by time						
Inquiry	condition						
P C	hannel1 T Channel	2 Channel3	Channel4	File type	Overal		
Га	hannel5 T Channel	6 [ Channel7	Channel8		Trans and		-
FO	hannell E Channel	10 El Operadul	Channell?	Beginning time of file	2007- 8-21	132245	5
1			E manufacture	Ending time of file	2008- 8-22	• 13.22.45	
ar s	name() E Charme	se la chemetia	Dural charges			tearch	
		1.0000000000000000000000000000000000000	1				
The1/3	spage, i otal/8	Plevious po	Next page				
Setial	. File name	Start time	End time				
0001	/ata0/day5/ch01/200_	2008-01-18 08:41:22	2008-01-18 08:42				
0002	/ata0/day5/ch01/200	2008-01-18 08:42:11	2008-01-18 08:52				
0003	/ata0/day5/ch01/200	2008-01-18 08:52:50	2008-01-18 05:07:				
0004	/atau/day5/ch01/200	2008-01-18 03:07:50	2008/01-18 03/22				
0005	/ata0/day5/ch01/200	2009-01-10 03-22:50	2000-01-10 03.37				
0005	/alau/days/ch01/200	2008-01-18 03:37:50	2008-01-10 03:42				
0007	/ata0/day5/ch01/200	2009-01-18 10 37 59	2008-01-18 10:52				
0000	/www.chill.chill.chill.chill.	2008.01.18 10 52 58	2008-01-18 10 52				
0010	/www.childay.5/ch01/200	2008-01-18 10 53-24	2008.01-18 10.59				
0011	/ata0/day5/ch01/200	2008/01/18 10:59:54	2008/01/18 11:01				
0012	/ata0/day5/ch01/200	2008-01-18 11-17-36	2008-01-18 11:32				
0013	/ata0/dav5/ch01/200	2008-01-18 11:32:36	2008-01-18 11:47				
0014	/ata0/dav5/ch01/200	2008-01-18 11-47-36	2008-01-18 12:02				
0015	/MA0/dav5/ch01/200	2008-01-18 12 02 36	2008-01-18 12 17				
0016	/ata0/dav5/ch01/200	2008-01-18 12 17:36	2008-01-18 12 32				
0017	/ata0/dav5/ch01/200	2008-01-18 12 32 36	2008-01-18 12:47				
0018	/ata0/day5/ch01/200	2008-01-18 12:47:36	2008-01-18 13:02				
0019	/ata0/dav5/ch01/200	2008-01-18 13:02:36	2008-01-18 13:17				
0020	/ata0/day5/ch01/200	2008-01-18 13:17:36	2008-01-18 13:32				
0021	/ata0/day5/ch01/200	2008-01-18 13:32:36	2008-01-18 13:47				
0022	/ata0/day5/ch01/208	2008-01-18 13:47:36	2008-01-18 14:02				
0023	/ata0/day5/ch01/200	2008-01-18 14:02:36	2008-01-18 14:17: 🗸				
<	22		2				
Daunta	ed a control			Playback control			
Downio	au consor	Traces and the	11 March 14	1			I wanted at the second la
		Download .	trid				Previous Next
	212 - 12 L			PEAR PARE	Ster Line	Inu   Fort	Mube I
curter	thy file proceed	02				i sin	+
Overa	Il proceed	0%		Flected	Snap	Single Screen	Four split screen
				1.		Suger a street	
							Eve
							6.48

Picture 3-14

□Record Playback:

Select lots of segment file record requiring Playback, click on "Play" to play the record selected. Ctrl+ left-click, lots of item record can be chosen to play in turn.

If you choose 1st Channel to Playback, pitch on it then press "play". Area status identification is turn green in Video Channel Area. Meanwhile "Playback" sign is added on the image's right below corner.

Playb	oack & Downlo	ad					
Playback	by file Playbac	k by time					
Inquiry	condition						
R C	Channel1 I	Channel2	Channel3	Channel4	File hone	Overall	-
F	Tharmal 5	Channel	Charnel7	Channel?	The Ope	Toreda	
- Consta	Linareneto	Chargiero	1 Channely	1 Channelo	Beginning time of file	2008- 1-30	• 9.34:03 ÷
L	Channel9	Channell	0 T Diannel11	Channel 12	Enders time of file	2008. 1.21	- 93403 -
F	Channel13	Channell	4 🔲 Diannel15	Channel16	Entry dife of the	12000-1-01	
				Overall channels			search
The1/	'9page, Total264		Previous pag	Next page	( Income the second sec		
Serial.	File name	1	Start time	End time	2008-01-30-17:1	3: 25	2008-01-30 17: 43: 14
0001	/ata0/day3/	ch02/200	2008-01-30 17:12:23	2008-01-30 17:27:	The states		A CONTRACTOR OF
0002	/ata0/day3/	ch01/200	2008-01-30 17:12:23	2008-01-30 17:27:			
0003	/ata0/day3/	ch04/200	2008-01-30 17:12:24	2008-01-30 17:27:			SEPHERICAL STREET, SALES
0004	/ata0/day3/	ch03/200	2008-01-30 17:12:24	2008-01-30 17:27			
0005	/ata0/day3/	ch02/200_	2008-01-30 17:27:23	2008-01-30 17:42	Statut.		
0005	/atau/day3/	ch01/200	2008-01-30 17:27:23	2008-01-30 17:42			
0007	/ata0/dau3/	ch03/200	2008-01-30 17:27:24	2008-01-30 17:42	a summer of		
0009	/ata0/dav3/	ch02/200	2008-01-30 17:42:23	2008-01-30 17:57	1991 - Barr	and the P	
0010	/ata0/day3/	ch01/200	2008-01-30 17:42:23	2008-01-30 17:57	C	H 04	CH 03
0011	/ata0/day3/	ch04/200	2008-01-30 17:42:24	2008-01-30 17:57	-		
0012	/ata0/day3/	ch03/200	2008-01-30 17:42:24	2008-01-30 17:57			2000 01 20 10 00 00
0013	/ata0/day3/	ch02/200	2008-01-30 17:57:23	2008-01-30 18:12	2008-01-30 18:1	13:16	2008-01-30 18: 28: 08
0014	/ata0/day3/	ch01/200	2008-01-30 17:57:23	2008-01-30 18:12	S BARRING TO THE STORE		
0015	/ata0/day3/	ch04/200	2008-01-30 17:57:24	2008-01-30 18:12			
0015	/ataU/day3/	ch03/200	2008-01-30 17:57:24	2008-01-30 18:12	SMP SHALL	N. W.	NEW CONTRACTOR OF THE OWNER
0017	/atau/day3/	ch02/200	2008-01-30 18:12:23	2008-01-30 18:27:	THE OWNER DOT		
0010	/ata0/day3/	ch04/200	2008-01-30 18:12:23	2008-01-30 18:27			
0020	/ata0/dau3/	ch03/200	2008-01-30 18 12:24	2008-01-30 18:27	1 1		
0021	/ata0/dav3/	ch02/200	2008-01-30 18:27:23	2008-01-30 18:42			
0022	/ata0/day3/	ch01/200	2008-01-30 18:27:23	2008-01-30 18:42	1000	No.	and the second s
0023	/ata0/day3/	ch04/200	2008-01-30 18:27:24	2008-01-30 18:42 🗸	0	H 04	CH 02
<		10		>			Cit of
Downk	lastroo heo				Playback control		
Domin	000 00000		Developed	Contract 1			
			Downood	Enu			TIEVEST NEX
	with file proceed	-			Play Pause	Stop SI	low Fast Mute
Own	all proceed	_	02		· bacarata bacarata		- +
Over	ai pioceeu		140		Record	Snap	Single Screen Four split screen
						9.682	
-							
							Ext

Picture 3-15

□ Record playback control:

When Playback, playback control bar offers video, voice, continue/ pause/stop playback, previous/next and speed shift function. Left-click on the schedule bar of specific place can control the speed of playing.

□Playback by time:

Playback by time, like the picture 3-16 shows, after login DVR, select the channel, beginning/ending time of record, then press "Play" button to playback the required files(Picture 3-17).

And and a second second second second						
back by file Playback by time						
Please choose the channel	1	•				
Beginning time of file	2008- 1-30	• 9.14:30	-	Ending time of file	2008-1-31	9.14:30 -
						Download control  Download control  Download End  Playback control  Play Paurit Stop  Stov Fast Record Snap  /Mute

Picture 3-16



Picture 3-17

### **Record Download**

The netclient provide record download function in "play back/download" area, the record download type include download by time and download by record file.

In download control column on the left button corner, we can see the download proceed both of the current record and the all record.

Download record by file: Select the record segment and click "Download" key to download the selected record; Hold "Ctrl" key and select the records, then download. Download record by time: After input the inquiry time, user can download all the record directly within the required time.

# 3.4 Alarm Information

The alarm information column is on the left side of main interface. Kindly refer to the picture 3-18.

2008-04-22 15:07:26 Tuesday
DWR Information
Alarm information

Picture 3-18

After login the DVR, set defence, when the alarm occurs, the alarm info. will show in the column(picture 3-18)

# 3.5 Local play

Press local play button

, start local play program, local play will be

introduced in details in the latter chapter. Press USB client port button, start USB client port program, USB client port will be introduced in details in the latter chapter.





Picture 3-20

# 3.6 Circular monitoring

The circular monitoring is used to monitor by sequence each recorder connected.

Press Circular monitoring button the dialog box "Circular Monitor password confirm" appears, input the right password, the Client will start the Circular monitoring.

When startup the Circular monitoring, please cut the windows of inspecting and remote replay first and then startup.

After startup, Circular monitoring button becomes the stop one . Client monitors all the attachable Channel of the first remote-port host connected with the host setting, arrives at the pause time of the single computer for Circular monitoring, then cuts all the connections with this remote-port host, continues to link all the attachable Channel of the next remote-port host, cycles to link and cut in turn, till the total monitoring time is full.

If the recorder with administrator login outputs alarm signal, the monitoring will make way for recording, after which, the monitoring will continue.

During this period, if the connection with one host is unwonted, Client reports error and stops Circular monitoring.

During this period, press the stop button of Circular monitoring by user, the Circular monitoring will stop manually.

When Circular monitoring is stopped, Client will not cut any monitoring linkage of current host, it will keep monitoring for this host DVR.

### 3.7 Intercom

MA series does not provide intercom function.

It enable dialog between netclient and DVR. And it requires both the DVR and PC need equipped with microphone and sound box.

If netclient needs have dialog with PC, the option "Microphone" in the "Recording Control" box must be selected, details refer to the following picture:



Picture 3-21

The netclient provide 2 kinds of mode to enable dialog:

Mode 1:

Click the DVR logo with the right key of mouse, and select the "Start dialog"; select the "End dialog" to end up the dialog function.

Mode 2:

The management area provide dialog logo

function, and the color of the dialog logo will become yellow , click it again to stop the dialog.

# 3.8 Email

The client provides the function that host send email automatically when alarm is occurred.

First, you can download a Mail Server in the internet and install the it. When "ArGoSoft Mail Server" is running, a icon " vill display at the low right corner of status bar. Right click the icon and choose "User" to create a new user.

User Properties 🗙
General Einger Information
User Name: DM642
Real Name:
Password: *****
Confirm Password:
Forward Address:
Keep Copies:
Return Address
OK Cancel <u>H</u> elp

Picture 3-22

Choose "General" in "Option", and configure three parameters as follows.

otions		
Logging	<u>S</u> MTP Auther	ntication
<u>G</u> eneral	Local Domains	Ports
D <u>N</u> S Server:	10.0.0.4	!</td
Load Serve	er at <u>W</u> indows Startup	
🛃 Automatica	allty <u>S</u> tart the Server	
Allow <u>R</u> ela	y	
🔲 <u>H</u> ide Passv	words In Logs	
Lo <u>c</u> al Host:	DM642@163.com	
Do Not Us	e Web Interface	
Allow <u>C</u> reat	ion of Accounts from W	/eb
when Bou	ncing, Include Original I	Message
		11-1-
		Help

Picture 3-23

DNS server: The ip address should be input correctly;

The option "Allow Relay" should be pitched on;

The sending address can be input in "Local Host" as you will.

After the above configuration is completed, click "OK" to confirm and green run button to run the server program.

Second: Run the "Netclient.exe", click the icon ,choose "Remote system config setting->E-mail" as follows.

PTZ config Exc	eption handling config	Alarm inp	conlig   ut config	Decode config COM config	Record config User Info E-mai
	Mail	Yes			
Send to Address he	loworld@163.com		F Alarm	🔽 Operat	ioon 🖵 Exception
Send to Address			T Alarm	C Operat	ioon 🦵 Exception
Send to Address			F Alam	C Operat	ioon 🥅 Exception
Send to Address			F Alarm	C Operat	ioon IT Exception
Period 00	00 _ 00:00	1	00.00	_ 00.00	
	SMTP port POP server address Authentication Username Password From address	25 10.0.022 © 0# DM642 DM642@	2 163.com	POP	⊂ SMTP
	Subject	DM642 E	-mail report		

Picture 3-24

Choose "Yes" in mail option;

Input "send to address" and choose the sent condition;

SMTP server address should be according with local PC, and SMTP port is 25; Username and password should be according with "ArGoSoft Mail Server"; From address should be according with send address in "ArGoSoft Mail Server".

# 3.9 JPEG playback and monitor

JPEG playback module provides the function that play back the recorded Jpeg picture synchronously when the record is playing back.

**Note:**This function is not available for MA series.

Start-> DM642 Monitor System->synchronize:





after the program is started, choose the host in the interface to login, and select the inquiry condition to search, pitch on the wanted record, then click "Play" button. The interface is as follows.

<b>J</b> pc	g monitor	& playback				
C	WR information	Dom	inated DVR:	213		
- <b>9</b>	Park DVR 221 215 213 213 213 213 213 213	2008-04-	3 11: 28: 19			
Seria 0097 0098	File name /ata0/day /ata0/day	The4/4page, Start time 2009-04-23 10:58:06 2008-04-23 11:13:06	Total109 Previous End time 2008-04-23 11:33:06 2008-04-23 11:28:06	Page Nr File length 19738484 21131128	chan	Inquisy condition Channel1 IF Channel2 IF Channel3 IF Channel4 IF Channel5 IF Channel6 IF Channel7 IF Channel8 IF Channel9 IF Channel10 IF Channel11 IF Channel12
0099 0100 0101 0102 0103 0104 0105 0106 0105 0106 0109	/ata0/day /ata0/day /ata0/day /ata0/day /ata0/day /ata0/day /ata0/day /ata0/day /ata0/day /ata0/day	2008-04-23 11:28:06 2008-04-23 11:38:06 2008-04-23 11:58:06 2008-04-23 12:13:06 2008-04-23 12:28:06 2008-04-23 12:58:06 2008-04-23 13:33:06 2008-04-23 13:43:06 2008-04-23 13:43:06	2008-04-23 11:43:06 2008-04-23 11:88:06 2008-04-23 12:13:06 2008-04-23 12:28:06 2008-04-23 12:28:06 2008-04-23 12:28:06 2008-04-23 13:38:06 2008-04-23 13:38:06 2008-04-23 13:89:06 2008-04-23 13:58:06 2008-04-23 13:58:06	17450536 18798028 16877328 12242936 10051492 15009560 20931716 24161660 27954564 19342040 10265876	1 1 1 1 1 1 1 1 1 1 1 1	□       Channel13       □       Channel14       □       Channel15       □       Channel16         File type       □       •       □       ○
						Pecover voice - + JPEG download dr C:\Download Exit

Picture 3-26

In the interface, the left area plays the Jpeg picture, while the right plays the record file.

Playback control: Including pause, stop, slow, fast, prev, next, mute, etc.

JPEG download: Right click on the left area where is playing Jpeg picture, and choose download.

# 3.10 Remote clock synchronization

Clock synchronization provides the function that DVR host time synchronizes with PC automatically.

### Set host time:

Start-> DM642 Monitor System->set host time



Picture 3-27

After the program is started, the icon is will display on system status bar.

Add the DVR you need to synchronize, click the icon and choose "DVR Setup".



Picture 3-28

The "DVR Setup" interface will display. Input the host ip, port, username, password, and click "Add". You can also delete the wrong host.

🐻 DVR Setup				
HostIP		Port	Usern	Pass
10.0.0.112		9998	Admin	skoleskoleskole
Password				
Host IP	0	.0.0	. 0	
Port	Γ			
Username	Γ			Add
Password				Delete
				Close



### Synchronization time setup

Choose "Time Setup", a time setup box will pop out. You can setup the synchronization time interval.



Picture 3-30

Language setup

Choose "language", a "Language Shift" box will pop out. Choose the language you want and click "OK".

### Exit

Click "Exit" to quit the program.

# **Chapter 4 Remote control Function**

Remote data configuration includes: Host system setup, Host Record Setup, Host Channel Record control, external switch control, Host Log, Remote Version.

Press Remote system parameter configuration button *menu*, menu appears, choose the choice requiring to picture 4-1.

Remo	te system config setting
Remo	ote record control
Alarm	n output status
Form	att HDD
Host	System update
Web	Update
Reco	ver default setting
Resta	art DVR remotely
Remo	te system log inquiry
Remo	te version inquiry

Picture 4-1

### 4.1 Remote system setup

Remote system parameter configuration includes: system setup、 camera setup、audio setup、network setup、host password setup、adjust setup、user right setup、serial port setup、Extend setup and PTZ setup. Refer to Picture 4-2

All settings via computer are in accordance with those on the recorder, Please refer to the DVR User's Manual.

PTZ config System config	Exception handling config Channel config Ne	Alarm input contract twork config	nlig COM config Decode config	User Info record config
System config				
	Date <u>T</u> ime	2007-12-12 09	:14:57	
	DVR name	DVR		
	DVR IP address	1		
	Record auto cover or nc	Yes 🗸		
	Log out time	60	 Second (15~999)	
	A de las in	Admin -		
	Auto log in	1		
Preview config	Monitor no	<b>I</b>		
	Province Fig.			
	Transparency	99	(0~99)	
	VGA resolution	1024×768	•	
Channel mapped				
	1	2 3 4		
	5	6 7 8		
	9 1	0 11 12		
	13	4 15 16		
			1 / 12	

Picture 4-2

**System setting include**: System setting(date & time, DVR name, DVR address, Record auto record, Log out time), preview config setting(monitor no., transparence, VGA resolution), channel mapping. Channel mapping: Here the split screen, 1/3/6/9/16 split screen mode.

Transparence: Valued range from 0 to 99. Others please refer to the DVR manual.

Channel setting include: Channel no., contrast, chroma, brightness, saturation, name/time display, video lost alarm, shelter alarm, motion detect alarm, screen, screen area and matrix. Details refer to the DVR manual.

### Matrix setting:

The matrix is used to output the input signal sequentially as follows. The least time interval is 5s.

Video Channe	1 1	<u> </u>	
Interval	5	sec	
Channel avai	lable		
✓ Channel1	Channel2	☐ Channel3	Channel4
Channel5	Channel6	Channel7	Channel8
Channel9	Channel10	Channel11	T Channel12
Channel13	Channel14	Channel15	Channel16

#### Picture 4-3

Network setting include: DVR network IP address setting, subnet, network speed, tcp port, MAC address, PPPoE, PC IP setting/tcp port, DNS server address, gateway, DAS PC IP address, multicast address. More functions refer to the DVR manual.

Build connection by PPPoE: after apply to PPPoE connection, the DVR will build up network under PPPoE mode after start up, then the IP address of DVR will auto revise to dynamic IP address in WAN.

Multicast address: the valued range is from 224.0.0.0 to 239.255.255, details refer to the

DVR manual. Remote IP setting management refer to the "Remote management setting"

**Note**: After the network config setting was completed and saved, please reset the DVR to enable the new setting.

Decode setting include: Record compress config setting(Audio/No audio, resolution,

stream mode, image quality, video code rate, frame rate), network transfer compress setting, etc., details refer to the DVR manual.

**Save config resolution:** the system config resolution data can be saved to local PC.

**Load config resolution:** the saved system config resolution can be load to update decode config data.

**Record setting include**: Pre-record, start up record, time record setting for each channel. Details refer to the DVR manual.

System Setting						×
PTZ config E System config	xception handling	config	Alarm i Netwo	nput config COM rk config Dec	config User	Info E-mail Record config
- Record Plan	Channel Does re Record Pre-reco	INo. cord be st length rd	at No	▼ Minute (1-15)		
Record Period	M	lon T	×	All	Timer	
Period 1	开始 09.00	- 1	结束 10:00		Record type	
Period 2	10:00	- 1	11:00		M/A 💌	
Period 3	11:00	- [1	17:00		M/A 💌	
Period 4	17:00	- 1	24:00		Timer	
			Apply	to all channels	0K.	Cancel

#### Picture 4-4

PTZ setting include: PTZ address, baud rate, data bit, stop bit, parity bit, flow control,

PTZ mode, speed, PTZ movement and Cruise setting.

Cruise route set:

Software proviedes 8 cruise route setting, each route can include 14 Preset Points.

Cruise Setup				×
	Cruise Route Interval time Rate	1 v 2 Sec 2 v		
Curise Dot 1 3 5 7 9	Preset Dot	Curise Dot 2 4 6 8	Preset Dot 3 4 8 6 0	
11 13	5 11 13 0K	12 14 Cancel	9  12  14	

Picture 4-5

Alarm setting include: Error transact mode, alarm input setting, PTZ linkage setting.

Video output setting: contrast setting, VGA resolution setting.

**COM setting include**: baud rate, data bit, stop bit, parity bit, flow control, work mode, PPP setting.

RS-232 setting: include speed rate, data bit, stop bit, parity, flow control, etc. setting, those setting should match to the COM setting.

Work mode: narrowband transfer, control panel, transparent channel.

Narrowband transfer: connect Modem to PSTN, transfer video, audio, control data by PSTN.

Control panel: connect to PC COM, set the settings by PC.

Transparent channel: Connect serial device directly, remote PC can control those serial device by network and protocol required by COM device.

PPP mode: Set this option when apply to "Narrowband transfer". It include initiative and passivity mode. Initiative dial Modem dial through RS-232, passivity dial means accept the remote PC dial.

Encrypt: data encrypt means the data in transfer needs encrypt or not.

Re-dial mode: Set this option when apply to "Narrowband transfer". After dial up succeed,

choose the re-dial mode. It include "appointed by user" and "preset dial back number" modes.

**User info setting:** new user and authority setting, the detail refers to "User management". **Exception handling config:** Exception handling provide three handling modes (motion alarm, buzzer alarm, trigger alarm output) for three abnormal types: illegal visit, HDD full, HDD error.

Email: The detail refers to "Email introduction".

## 4.2 Remote Record Start/Stop Control

From this function, you can control Remote video Record start/stop, select "startup" of the channel for starting Remote channel video manually, no choice of the channel for stopping Remote channel video, press "start" button.

DVR channel record	l control 🛛 💌
Choose the channel	
Channel 1	🗖 Channel 9
🔽 Channel 2	Channel 10
🔽 Channel 3	🗖 Channel 11
🔽 Channel 4	🗖 Channel 12
🔽 Channel 5	🗖 Channel 13
🔽 Channel 6	🗖 Channel 14
Channel 7	Channel 15
Channel 8	🗖 Channel 16
	Overall channels
Start	Back

Picture 4-6

Channel with "  $\checkmark$  " means record, channel without "  $\checkmark$  " means not record, then press "Start" button to enable.

## 4.3 Alarm Output Status

By this function it can realize DVR external alarm output, every switch correspond to alarm output, open the DVR external alarm output by choose one of the switches, as the picture 4-7.

Alarm output status	<b>F</b> a
Alarm output 1	) Open
Alarm output2	C Open
Alarm output3	🖵 Open
Alarm output4	C Open

Picture 4-7

## 4.4 Format HDD

Netclient also provide remote DVR HDD format function, and the details refer to the picture 4-8:

Serial     HDD position     HDD capacity(MB)     Spare HDD capacit     HDD status       1     3-0     238442     209848     Active       2     3     4     5     5       6     7     8     6     6	Fo	rmat status rmat progress			
1 3-0 238442 209848 Active	Serial	HDD position	HDD capacity(MB)	Spare HDD capacit	HDD status
	1 2 3 4 5 6 7 8	3.0	238442	209848	Active



Select the required HDD, and press key "Format". After format, it will come out a prompt window: "HDD format succeed"

# 4.5 Remote system updating

Click the "Host system update" within the "System update" box



图 4-9

Press "choose file", the choice box of system file. Appears Select the correct Remote system updating file. Remote updating box shows the property of chosen file.

After the correct confirmation, press "Host update" to start updates the host DVR system. Finishes the updating, Remote host DVR software will be available after reboot.

### 4.6 WEB Upgrade

By this Function, DVR could update into new version.

Click "Choose File" to flip out option manual, and choose required "WebPage. dat", then click "Host Update" to update into new version.

## 4.7 Default setting and Reset

Choose the "Default Setting" Option, default the DVR, and Press Remote system reset button, DVR reset and back to the default setting.

## 4.8 Upload/Download language file

Upload language file: upload the language file of the dvr which save in local to dvr. Download language file: download the language file from the dvr and save in local.

## 4.9 Set the custom logo

User can upload and update the dvr startup screen file which is .dat format to dvr remotely.

## 4.10 Restart/Shut down dvr remotely

Netclient provides restart and shut down dvr remotely by manual control in the circumstances of without any tip of the dvr.

# 4.11 Remote Log Inquiry

Click "Remote Log Inquiry" option, comes to the inquiry interface as following picture 4-10.

Log inquiry					
Inquiry condition           DVR         215           Start time         2008- 4-21 • 10	).45.45 ÷	Log type End time	0verall	<ul> <li>▼ 10.45.45 ÷</li> </ul>	Begin to search Back
Search Result	Jump to 1	E	nevious page	Next page   F:VLOG	Download
Occur time	Content	-			
-					

### Picture 4-10

User can search the inquiry according to the Log Mode or Log Time, and the Log modes including: all log, working log, alarm log and error log. After input the requirements, then press "Begin to search" key to start search. Details refer to the following picture 4-11.

Log inquiry		
Inquity condition		
DVB 215	Log type Overall +	[Regin to search]
		[beginto sedicit]
Start time   2008- 4-20	Incos:01 ☆ End time  2008-4-21 ◆  16:05:01 ☆	Back
Search Result		
The1/9page, Total285	Jump to 1 Previous page Next page F:\LOG	beolowd
Occur time	Content	
2008-04-21 09:48:54	Power on	
2008-04-21 10:12:02	Admin Remote login	
2008-04-21 10:12:29	Illegal visit	
2008-04-21 10:12:46	lilegal visit	
2008-04-21 10:12:48	Admin Remote logout	
2008-04-21 10:13:01	Admin Remote login	
2008-04-21 10:13:58	Admin Obtain config remotely	
2008-04-21 10:13:58	Admin Obtain config remotely	
2008-04-21 10:21:57	Admin Remote login	
2008-04-21 10:33:03	Admin Remote login	
2008-04-21 10:34:28	Admin Remote logout	
2008-04-21 10:51:26	Admin Remote login	
2008-04-21 10:52:13	Admin Remote logout	
2008-04-21 12:30:05	Admin Remote login	
2008-04-21 12:30:39	Admin Remote logout	
2008-04-21 12:30:58	Admin Remote login	
2008-04-21 12:31:17	Admin Remote logout	
2008-04-21 12:38:12	Channel3 Signal lost	
2008-04-21 12:38:32	Channel3 Signal recovered	
2008-04-21 12:38:48	Channel3 Signal lost	
2008-04-21 12:38:49	Channel3 Signal recovered	
2008-04-21 12:39:07	Admin Remote login	
2008-04-21 12:40:15	Channel2 Signal recovered	
2008-04-21 12:40:56	Admin Obtain config remotely	
2008-04-21 12:40:56	Admin Obtain config remotely	
2008-04-21 12:40:56	Admin Obtain config remotely	
2008-04-21 12:41:29	Admin Setting config remotely	
2008-04-21 12:41:30	Admin Setting config remotely	
2008-04-21 12:41:33	Admin Remote logout	
2008-04-21 12:41:44	Admin Remote login	
2008-04-21 12:42:32	Admin Remote login	
2008-04-21 12:42:34	Admin Obtain config remotely	

Picture 4-11

### **Remote log inquiry**

The client provides the function that the log can be download to PC. Input the search time and click "search" button, select the log you need to download, then right click to choose "download". The downloaded log will be saved in "RemoteLog.ini" file of software install location.

## **4.9 Remote Version Information**

Click the "Remote Version Inquiry" in the "Remote Data Setting", it can show the remote DVR version information as follow:

Remote version information	X
DVR software version	
EMBEDED-DVR OS DM16 Version 1.0 GB Dec 5 2007	
[	

Picture 4-12