



CUBE System
Marine Digital Video Recorder

User Guide

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Welcome

Thank you for purchasing our DVR!

This quick start guide will help you become familiar with our DVR in a very short time.

Here you can find hardware installation, cable connection information and general operations such as system setup, record, search, backup, alarm setup, PTZ operation, also here you can find web operation instruction.

Before installation and operation, please read the following safeguard and warning carefully!

Important Safeguard and Warning

1 . Electrical safety

All installation and operation here should conform to your local electrical safety codes.

We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.

2 . Transportation security

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

3 . Installation

Keep upwards. Handle with care.

Do not apply power to the DVR before completing installation.

Do not place objects on the DVR

4 . Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers.

We are not liable for any problems caused by unauthorized modifications or attempted repair.

5 . Environment

The DVR should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.

Please keep sound ventilation.

6. Accessories

Be sure to use all the accessories recommended by manufacturer.

Please make sure to use the same battery model if possible. The improper battery use may result in fire, electrical shock or personal injury!

Before installation, please open the package and check all the components are included:

Contact your local retailer ASAP if something is missing in your package.

1 Hardware Installation and Connection

Note: All the installation and operations here should conform to your local electric safety rules.

1.1 Check Unpacked DVR

When you receive the DVR from the forwarding agent, please check whether there is any visible damage. The protective materials used for the package of the DVR can protect most accidental clashes during transportation. Then you can open the box to check the accessories.

Please check the items in accordance with the list on the warranty card (Remote control is optional). Finally you can remove the protective film of the DVR.

Note

Remote control is not a standard accessory and it is not included in the accessory bag.

1.2 About Front Panel and Real Panel

For detail information of the function keys in the front panel and the ports in the rear panel, please refer to the *User's Manual* included in the resource CD.

The model in the front panel is very important; please check according to your purchase order.

The label in the rear panel is very important too. Usually we need you to represent the serial number when we provide the service after sales.

1.3 After Remove the Chassis

Please check the data cable, power cable, COM cable and main board cable connection is firm or not.

1.4 HDD Installation

Important

Before the HDD installation, please unplug the power cable.

You can refer to the user's manual for recommended HDD brand.

This series DVR has four SATA HDDs. Please use HDD of 7200rpm or higher. It has no requirement for HDD capacity. Please install from the front-end to the rear-end. After you secure the HDD in the bracket, please connect the cable first and then install to the device.

Please follow the instructions listed below to install SATA HDDs.



① Remove the screws from the device



② Remove the upper cover



③ Remove the HDD bracket



④ Secure the HDD in the bracket



⑤ Connect the SATA cable



⑥ Connect the power cable



⑦Install the HDD bracket



⑧Install more HDD if necessary



⑨Fix the screws

After HDD installation, please check connection of data ribbon and power cord.

1.5 Front Panel

These series DVR has two types of front panels. One is without the LCD and the other is with the LCD.

One series front panel (without the LCD) is shown as in Figure 1-1.

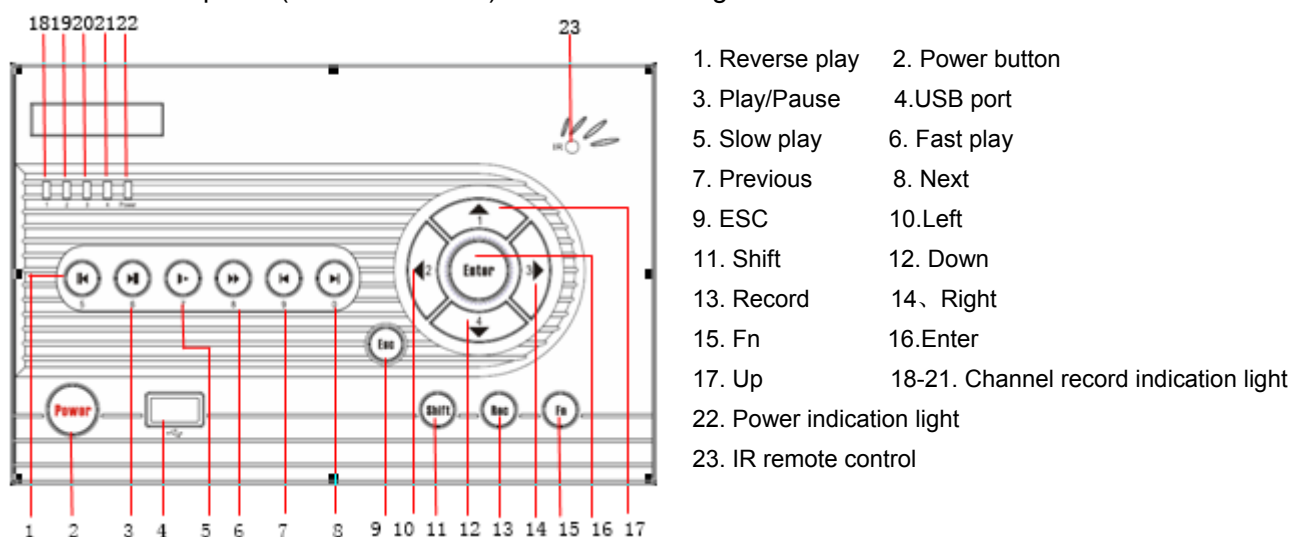


Figure 1-1

SN	Name	Icon	Function	Remark
1	Reverse	II ◀	In normal playback or pause mode, click this button to reverse playback	Input number 5
3	Play/Pause	▶ II	In normal playback click this button to pause playback In pause mode, click this button to resume playback. In real-time monitor mode, click it to go to record search menu.	Input number 6
5	Slow play	▶	Multiple slow play speeds or normal playback.	Input number 7
6	Fast play	▶▶	Various fast speeds and normal playback.	Input number 8
7	Play previous	I ◀	In playback mode, playback the previous video In menu setup, click it to go to the previous item.	Input number 9
13	Play Next	▶ I	In playback mode, playback the next video In menu setup, click it to go to the next item.	Input number 10

2	Power button	Power	Click it to boot up or shut down the device.	
4	USB		Connect to USB mouse or backup device.	
9	Cancel	ESC	Cancel When playback, click it to restore real-time monitor mode	
11	Shift	Shift	Use the front panel to switch the input method. In text mode, click it to switch between numeral, English character (small/capitalized) and etc.	
13	Record	Rec	In real-time monitor mode, click it to go to the record setup.	
15	Assistant	Fn	One-window monitor mode, click this button to display assistant function: PTZ control and image color. In motion detection setup, working with Fn and direction keys to realize setup. Backspace function: in numeral control or text control, press it for 1.5 seconds to delete the previous character before the cursor. Realize other special functions.	
16	Enter	ENTER	Confirm current operation Go to the main menu	
10 12 14 17	Direction keys	▲ ▼	In real-time mode, click the left/right key to switch between one-window and multiple-window. Increase/decrease number Modify the setup PTZ control switch	▲ Input number 6 ▼ Input number 7
		◀ ▶	In one-window real-time monitor mode, click the up/down button to switch the monitor channel. PTZ control switch	◀ Input number 8 ▶ Input number 9

The other front panel (with the LCD) is shown as in Figure 1-2.

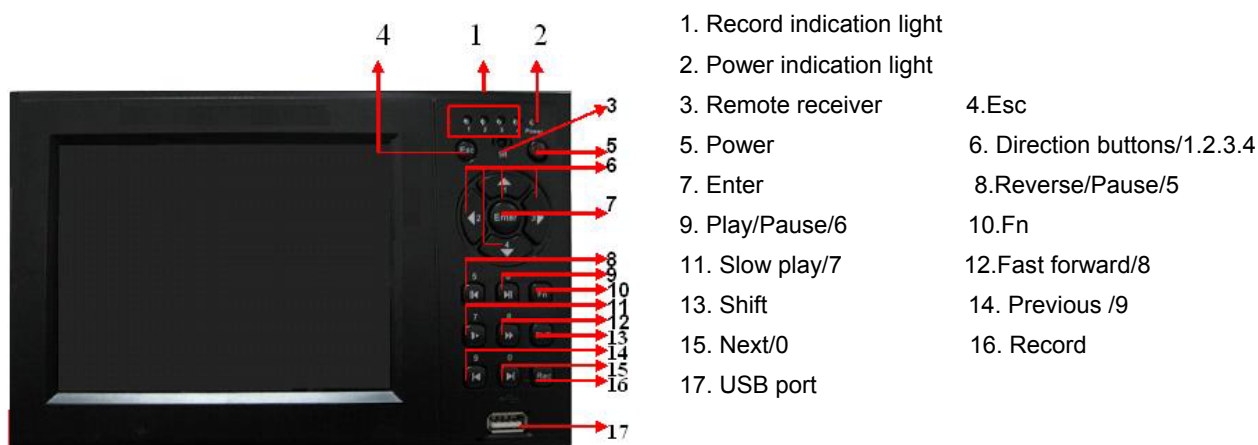


Figure 1-2

Please refer to the following sheet for more information.

S/N	Name	Icon	Function	Remark
14	Play previous	◀	When playback, click this button to display previous file. In menu operation, go to previous menu item,.	In numeral input mode, click this button to input 9.
11	Slow play	▶	Various slow playback and normal playback. Speeds.	In numeral input mode, click this button to input 7.
9	Play/Pause	▶	Play/Pause	In numeral input mode, click this button to input 6.
			In real-time monitor mode, click this button to go to search interface.	
12	Fast forward	▶▶	Various fast play and normal playback Speeds.	In numeral input mode, click this button to input 8.
13	Shift	Shift	Use the front panel to switch the input method.	
			In text mode, click it to switch between numeral, English character(small/capitalized) and etc.	
15	Play next	▶I	In playback mode, play the next file. In menu operation, go to the next menu item.	In numeral input mode, click this button to input 0.
16	Record	REC	Working with direction keys to enable/disable record	
10	Assistant	Fn	In 1-window display mode, click this button to go to assistant menu: PTZ control and	
			Working with direction keys to realize motion detection zone setup.	
			Clear function: Press Fn about 1.5 seconds to clear all contents in current text box.	
			In preview mode (There is no other menu available), press this button for 3 seconds to switch between TV/VGA. For HD1 series DVR, there are three modes: TV/VGA/VGA LCD (60Hz LCD output)	
			Working with other keys to realize special functions in some menu items.	
4	Cancel	ESC	Cancel	.
			In playback mode, click this button to go back to real-time monitor mode.	
7	Confirm	Enter	Confirm	

			Go to the main menu	
6	Direction keys	▲ ▼	In real-time monitor mode, click left/right direction keys to switch between one-window and multiple-windows.	In numeral input mode, Click ▲ to input 61
			Increase/decrease numeral	In numeral input mode, Click ▼ to input 4.
			Modify setup	
			Switch PTZ control	
		◀ ▶	In 1-window real-time monitor mode, click up/down keys to switch monitor channel .	In numeral input mode, Click ▶ to input 2.
			Switch PTZ control	In numeral input mode, Click ▶ to input 3.

1.6 Rear Panel

Please refer to Figure 1-3 for rear panel information.

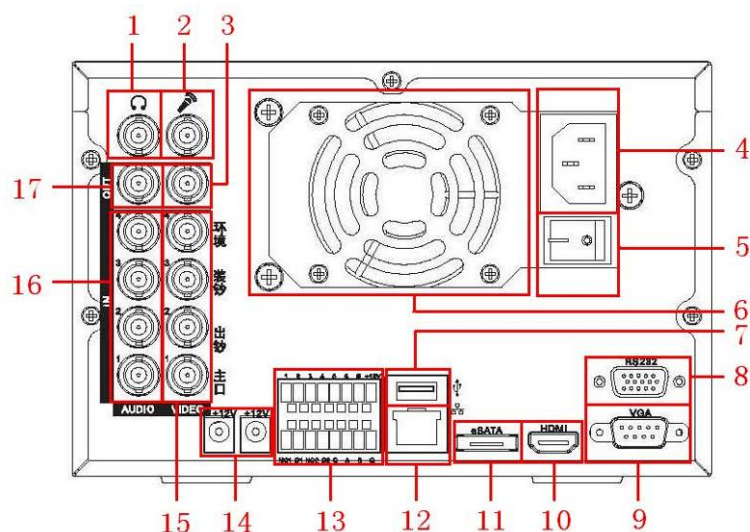


Figure 1-3

1	Bidirectional talk output	2	Bidirection talk input	3	Video output
4	Socket	5	Power button	6	Fan
7	USB port	8	RS232 port	9	VGA port
10	HDMI port	11	eSATA port	12	Network port (RJ45)
13	ALARM-RS485	14	+12V output	15	Video Input
16	Audio input	17	Audio output		

When connect the Ethernet port, please use straight cable to connect the PC and use the crossover cable to connect to the switcher or router.

1.7 Connection Sample

Please refer to Figure 1-4 for connection sample.

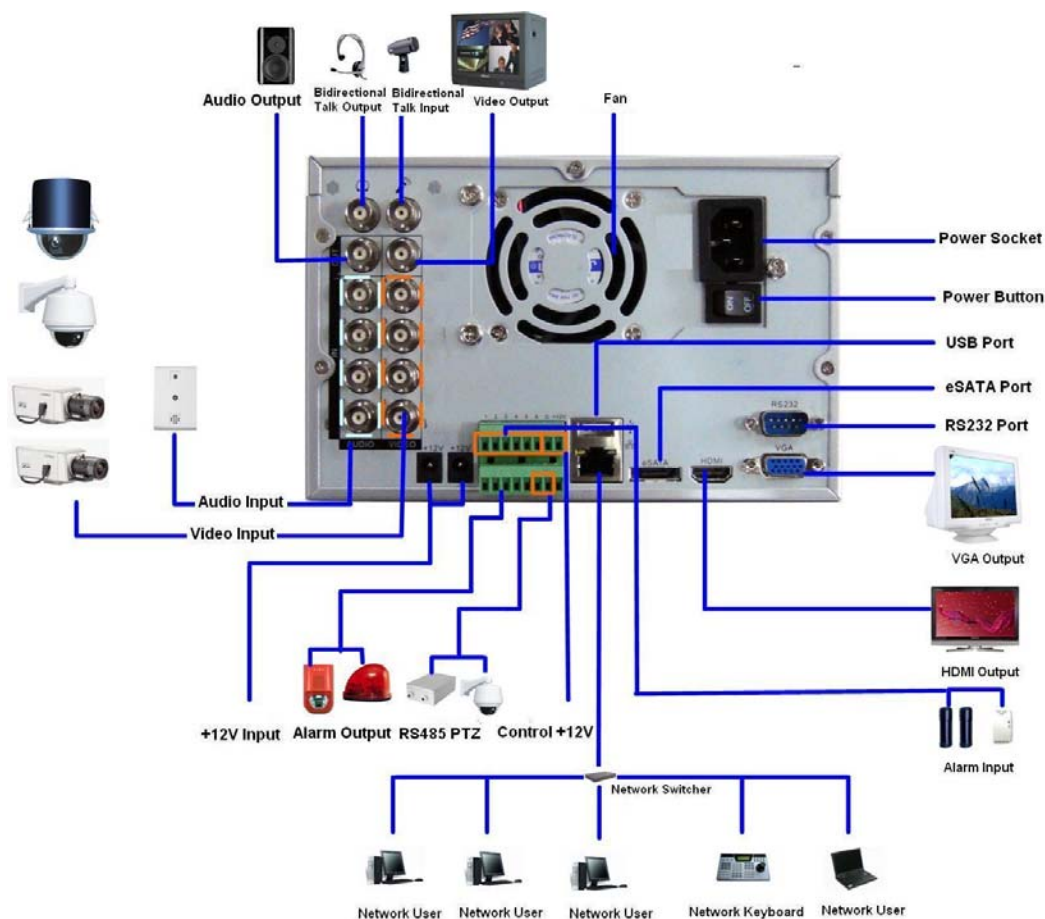


Figure 1-4

1.8 Alarm Input and Output Connection

There are two alarm input types for you to select: normal open (NO) and normal close (NC).

1.8.1 Alarm Input and Output Details

You can refer to the following content and Figure 1-5 for alarm input and output information.

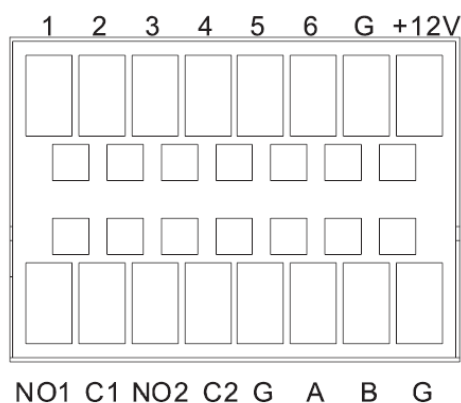


Figure 1-5

- The value 1 to 6 represents ALARM1 to ALARM4 respectively. The alarm gets activated in low voltage.
- NO1 C1, NO2 C2 are two groups of NO (normal open) on-off outputs.

- +12V is external alarm input. System needs external device to provide +12V power and you can connect it to the alarm device power below 1A.
- A/B is A cable and B cable to control 485 device. You can connect them to devices such as decoder. Please parallel connect a 120Ω resistance if there are too much PTZ decoders.
- “”: Ground cable.

1.8.2 Alarm Input Port

Please refer to the following sheet for more information.

- Normal open or Normal close type.
- Please parallel connect COM end and GND end of the alarm detector (Provide external power to the alarm detector).
- Please parallel connect the Ground of the DVR and the ground of the alarm detector.
- Please connect the NC port of the alarm sensor to the DVR alarm input(ALARM)
- Use the same ground with that of DVR if you use external power to the alarm device.
- Use the controllable +12V power to reset the smoke sensor remotely.

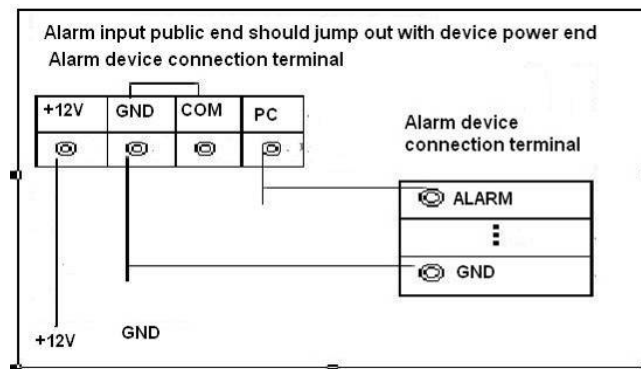


Figure 1-6

1.8.3 Alarm Output Port

- 2 ways relay alarm output (NO contact). Provide external power to external alarm device.
- To avoid overloading, please read relay parameters sheet in the *User's Manual* carefully.
- For controllable +12V, it can be used to provide power to devices such as reset smoke sensor.
- RS485 A/B cable is for the A/B cable of the PTZ decoder.

2 Overview of Navigation and Controls

Before operation, please make sure:

- You have properly installed HDD and all the cable connections.
- The provided input power and the device power are matched.
- The external power shall be: AC90~264V 50+2% Hz
- Always use the stable current, if necessary UPS is a best alternative measure.

2.1 Login, Logout & Main Menu

2.1.1 Login

After system booted up, default video display is in multiple-window mode.

Click Enter or left click mouse, you can see the login interface. See Figure 2-1.

System consists of four accounts:

- **Username:** admin. **Password:** admin. (administrator, local and network)
- **Username:** 888888. **Password:** 888888. (administrator, local only)
- **Username:** 666666. **Passwords:** 666666 (Lower authority user who can only monitor, playback, backup and etc.)
- Username: default. Password: default (hidden user)

You can use USB mouse, front panel, remote control (not included in the accessory bag) or

keyboard to input. About input method: Click **123** to switch between numeral, English character (small/capitalized) and denotation.

Note:

For security reason, please modify password after you first login.

Within 30 minutes, three times login failure will result in system alarm and five times login failure will result in account lock!

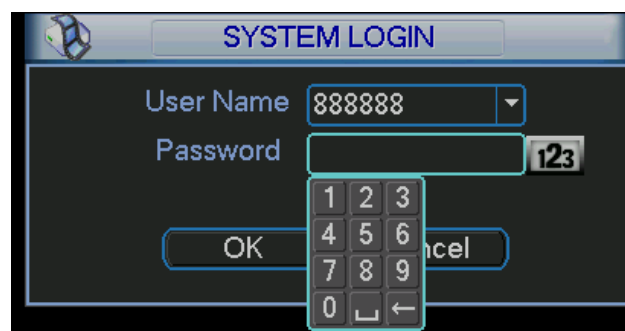


Figure 2-1

2.1.2 Main Menu

After you logged in, the system main menu is shown as below. See Figure 2-2.

There are total six icons: search, information, setting, backup, advanced and shutdown.

You can move the cursor to highlight the icon, and then double click mouse to enter the sub-menu.

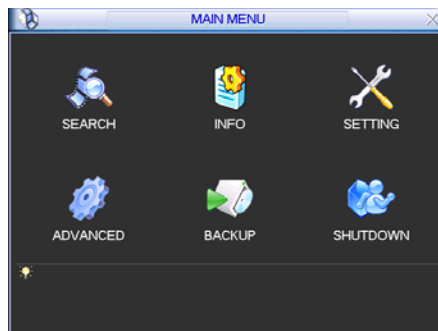


Figure 2-2

2.1.3 Logout

There are two ways for you to log out.

The first one is from menu option:

In the main menu, click shutdown button, you can see an interface is shown as below. See Figure 2-3.

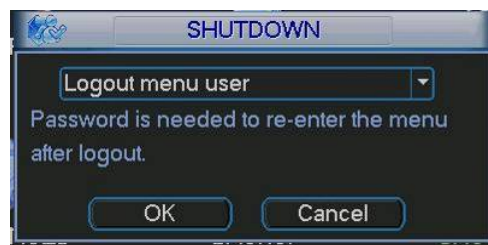


Figure 2-3

There are several options for you. See Figure 2-4.

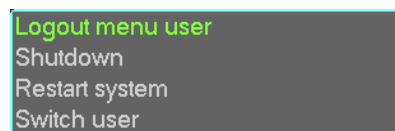


Figure 2-4

The other ways is to press power button on the front panel for at least 3 seconds, system will stop all operations. Then you can click the power button in the front panel to turn off the DVR. Please note, before you replace the HDD, do remember shutting down the device and unplug the power cable.

2.1.4 Auto Resume after Power Failure

The system can automatically backup video and resume previous working status after power failure.

2.1.5 Replace Button Battery

Please make sure to use the same battery model if possible.

We recommend replace battery regularly (such as one-year) to guarantee system time accuracy.

Before replacement, please save the system setup, otherwise, you may lose the data completely!

2.2 Live Viewing

After you logged in, the system is in live viewing mode by default. You can see system date, time and channel name. If you want to change system date and time, you can refer to general settings (Main Menu->Setting->General). If you want to modify the channel name, please refer to the display settings (Main Menu->Setting->Display)

1		Recording status	3		Video loss
2		Motion detection	4		Camera lock

2.3 Schedule

Note:

You need to have proper rights to implement the following operations. Please make sure the HDDs have been properly installed.

After the system booted up, it is in default 24-hour regular mode. You can set record type and time in schedule interface.

In the main menu, from Setting to Schedule, you can go to schedule menu. See Figure 2-5. There are total six periods.

- Channel: Please select the channel number first. You can select “all” if you want to set for the whole channels.
- Week day: There are eight options: ranges from Saturday to Sunday and all.
- Pre-record: System can pre-record the video before the event occurs into the file. The value ranges from 1 to 30 seconds depending on the bit stream.
- Redundancy: System supports redundancy backup function. You can highlight Redundancy button to activate this function. Please note, before enable this function, please set at least one HDD as redundant. (Main menu->Advanced->HDD Management).
- Record types: There are three types: regular, motion detection (MD) and Alarm.

Please highlight icon  to select the corresponding function. After completing all the setups please click save button, system goes back to the previous menu.

At the bottom of the menu, there are color bars for your reference. Green color stands for regular recording, yellow color stands for motion detection and red color stands for alarm recording.

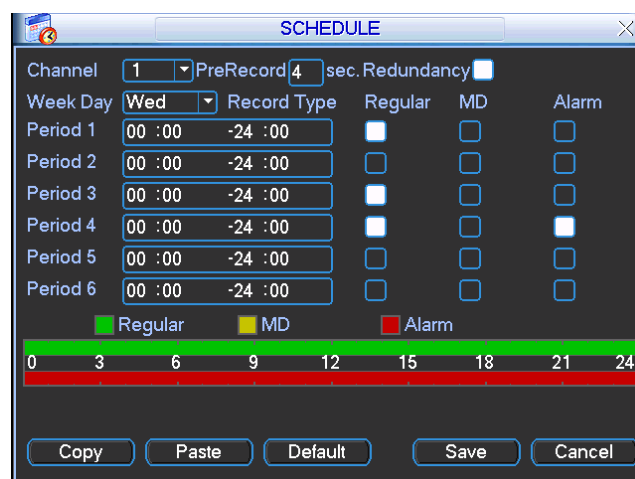


Figure 2-5

2.4 Manual Record

Note:

Please make sure you have the record operation right and you have properly installed the formatted HDD.

You can right click mouse or in the main menu, from Advanced->Manual Record to go to record interface.

There are three statuses: schedule/manual/stop. Highlight icon “○” to select corresponding channel. See Figure 2-6.

- Manual: The highest priority. After manual setup, all selected channels will begin ordinary recording.
- Schedule: Channel records as you have set in recording setup (Main Menu->Setting->Schedule)
- Stop: All channels stop recording.



Figure 2-6

2.5 Encode

Encode interface is shown as in Figure 2-7.

- Channel: Select the channel you want.
- Compression: System supports H.264.
- Resolution: System supports various resolutions, you can select from the dropdown list. The option includes D1/HD1/BCIF/CIF/QCIF.
- Frame rate: It ranges from 1f/s to 25f/s in NTSC mode and 1f/s to 30f/s in PAL mode.
- Bit rate type: system supports two types: CBR and VBR. In VBR mode, you can set video quality.
- Quality: There are six levels ranging from 1 to 6. The sixth level has the highest image quality.
- Video/audio: you can enable or disable the video/audio. Please note the video is enabled for main stream by default. For extra stream, please enable video first and then enable audio.

Please highlight icon  to select the corresponding function.

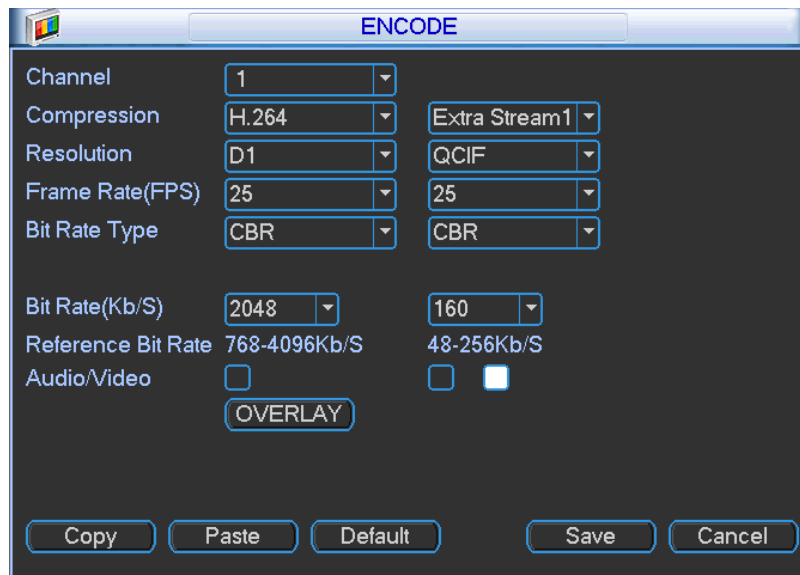


Figure 2-7

2.6 Search and Playback

Click search button in the main menu, search interface is shown as below. See Figure 2-8.

Usually there are three file types:

- R: Regular recording file.-
- A: External alarm recording file.
- M: Motion detection recording file
- C: Card number recording file.
- H: Manual record.

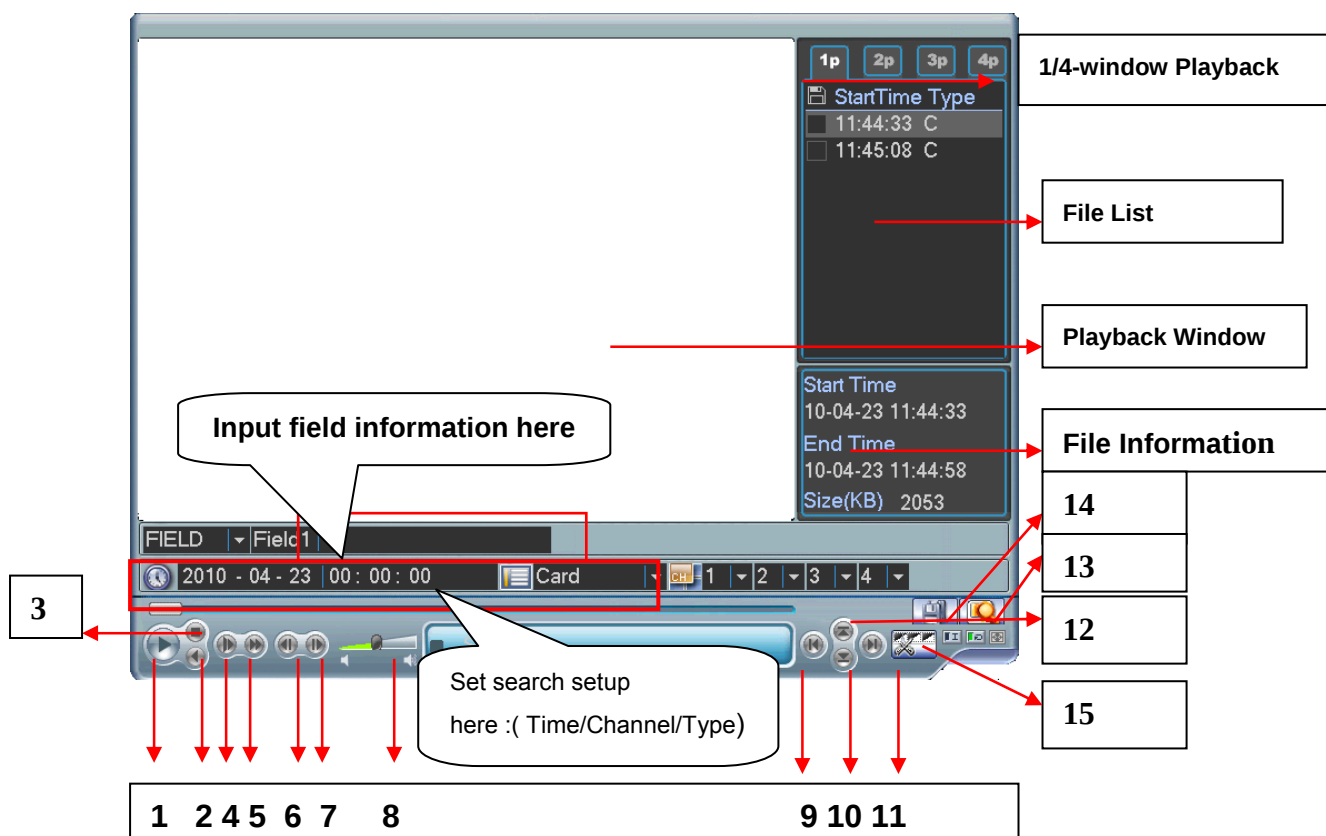


Figure 2-8

Please refer to the following sheet for more information.

Serial Number	Function
1	Play
2	Backward
3	Stop
4	Slow play
5	Fast play
6	Previous frame
7	Next frame
8	Volume
9	Previous file
10	Next channel
11	Next file
12	Previous channel
13	Search
14	Backup
15	Clip

2.6.1 Playback Operation

There are various search modes: video type, channel number or time. The system can max display 128 files in one screen. You can use up/down button to turn page.

Select the file name and double click mouse (or click enter button), you can view file content.

System supports 1/2/3/4-channel playback mode.

2.6.2 Accurate playback

Input time (h/m/s) in the time column and then click playback button, system can operate accurate playback.

2.6.3 Synchronized playback function when playback

During playback process, click numeral key, system can switch to the corresponding channel video of the same time.

2.6.4 Digital zoom

When the system is in full-screen playback mode, drag your mouse in the screen to select a section and then left click mouse to realize digital zoom. You can right click mouse to exit.

2.6.5 File backup and clip

System supports backup operation during search. You can draw a √ before file name (multiple choices). Then click backup button (Button 14 in Figure 2-8).

If you want to clip a period of file, please playback the original file first. Click the  (Button 15 in Figure 2-8) at the start point (that is your new file beginning point). Drag the file to the

end point (that is your new file end point) and then click the  again. Click the backup button (Button 14 in Figure 2-8) to save your current new file.

2.6.6 Calendar

Click calendar icon  in Figure 2-8, system pops up a calendar for your reference.

The highlighted date means there are record files in that day. You can click blue date to view file list.

In the following interface you can see there are video files in June 13th 2007 and 14th 2007. Double click the date to view file list.

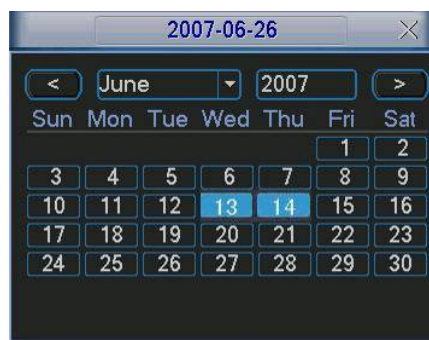


Figure 2-9

2.6.7 Slow playback and fast playback

Please refer to the following sheet for slow play and fast playback function.

Button	Illustration	Remarks
Fast play button ►►	In playback mode, click this button to switch between various fast play modes such as fast play 1, fast play 2 and more.	Frame rate may vary due to different versions.
Slow play button ►	In playback mode, click this button to switch between various slow play modes such as slow play 1 or slow play 2.	
Play/Pause ►	In slow playback mode, click this button to switch between play/pause modes.	
Previous/next	In playback mode, you can click ◀ and ▶ to view previous or next video in current channel.	

Note:

All the operations here (such as playback speed, channel, time and progress) have relationship with hardware version. Some series DVRs do not support some functions or playback speeds.

2.7 Network Setup

Here is for you to input network information. See Figure 2-10.

- IP address: Here you can input IP address.
- DHCP: It is auto search IP function. When enable DHCP function, you can not modify IP/Subnet mask /Gateway. These values are from DHCP function. If you have not enabled DHCP function, IP/Subnet mask/Gateway display as 0. You need to disable DHCP function to view current IP information. Besides, when PPPoE is operating, you can not modify IP/Subnet mask /Gateway.
- TCP port: Default value is 37777.
- UDP port: Default value is 37778.
- HTTP port: Default value is 80.
- Max connection: The value ranges from 0 to 10. System supports maximal 10 users. 0 means there is no connection limit.
- Transfer mode: Here you can select the priority between fluency/video qualities.

- Network download: System can process the downloaded data first if you enable this function.
- Advanced setting: Please refer to the *user's manual* included in the resource CD for detail information.

After completing all the setups please click save button, system goes back to the previous menu.

Figure 2-10

2.8 Pan/Tilt/Zoom

Please note:

- Slight difference may be found in the user's interface, due to various protocols.
- Please make sure the speed domes A/B cables are properly connected to the A/B ports of DVR.
- You have properly set PTZ information.
- Please switch camera monitor channel to current window.

2.8.1 PTZ Setup

The pan/tilt/zoom setup includes the following items. Please select channel first. See Figure 2-11.

- Protocol: Select corresponding PTZ protocol such as PELCOD.
- Address: Input corresponding PTZ address.
- Baud rate: Select baud rate.
- Data bit: Select data bit. Default value is 8.
- Stop bit: Select stop bit. Default value is 1.
- Parity: There are three choices: none/odd/even. Default value is none.

Figure 2-11

After completing all the setups please click save button, system goes back to the previous menu.

2.8.2 PTZ Operation

In one window display mode, right click mouse (click “Fn” Button in the front panel or click “Fn” key in the remote control). The interface is shown as in Figure 2-12.

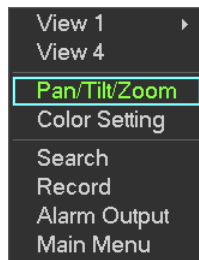


Figure 2-12

Click Pan/Tilt/Zoom, the interface is shown as below. See Figure 2-13.

Here you can set the following items:

- Step: value ranges from 1 to 8.
- Zoom
- Focus
- Iris

Click icon  and  to adjust zoom, focus and iris.



Figure 2-13

In Figure 2-13, please click direction arrows (See Figure 2-14) to adjust PTZ position. There are total 8 direction arrows. Please note if you use remote control, you can use just four directions (Up/down/left/right).

The speed value ranges from 1 to 8.



Figure 2-14

2.8.3 3D Intelligent Positioning Key

In the middle of the eight direction arrows, there is a 3D intelligent positioning key. See Figure 2-15. Please note, this function needs protocol supported and can only be operated by mouse. Click this key, system goes back to the single screen mode. Drag the mouse in the screen to adjust section size. It can realize PTZ automatically.



Figure 2-15

Here is a sheet for you reference.

Name	Function key	function	Shortcut key	Function key	function	Shortcut Key
Zoom		Near			Far	
Focus		Near			Far	
Iris		close			Open	

You can click set button in Figure 2-13 (or click REC button in the front panel) to set preset, tour, and pattern.

You can click page switch button in Figure 2-13 (or click Fn button in the front panel) to call main function.

2.9 Card Overlay

The card overlay function is for financial areas. It includes Sniffer, information analysis and title overlay function. The Sniffer mode includes COM and network.

2.9.1 COM Type

The COM interface is shown as below. See Figure 2-16.

- Protocol: Please select from the dropdown list.
- Setting: Click COM setting button, the interface is shown as in RS232 interface.
- Overlay channel: Please select the channel you want to overlay the card number.
- Overlay mode: There are two options: preview and encode. Preview means overlay the card number in the local monitor video. Encode means overlay the card number in the record file.
- Overlay Position: Here you can select the proper overlay position from the dropdown list.

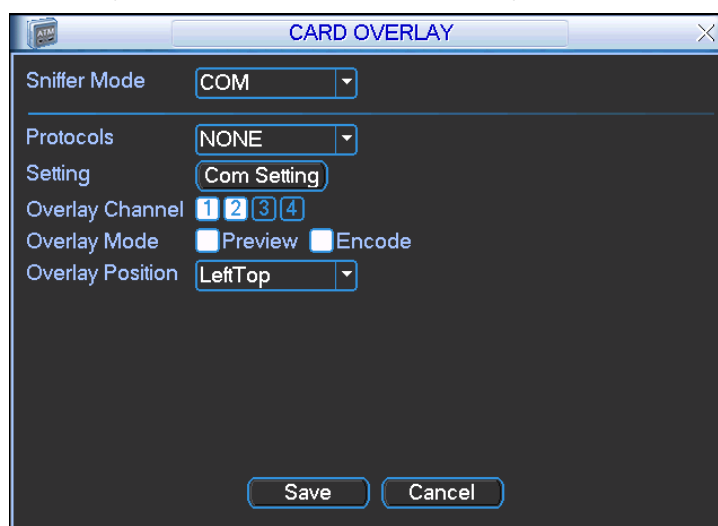


Figure 2-16

2.9.2 Network Type

The network type interface is shown as below. See Figure 2-17.

Here we take the ATM/POS protocol to continue.

There are two types: with or without the protocol according to client's requirements.

With the protocol

For ATM/POS with the protocol, you just need to set the source IP, destination IP (sometimes you need to input corresponding port number).

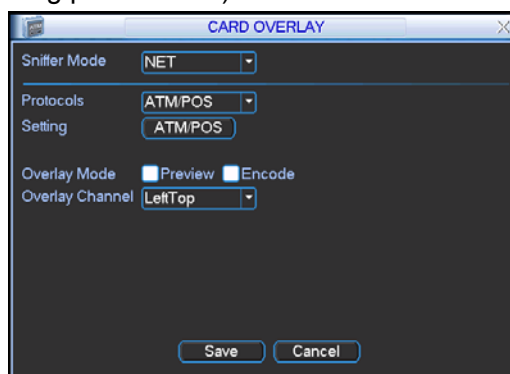


Figure 2-17

Without the protocol

For the ATM/POS without the protocol, the interface is shown as in Figure 2-18.

Source IP refers to host IP address that sends out information (usually it is the ATM host.)

Destination IP refers to other systems that receive information.

Usually you do not need to set source port and target port.

There are total four groups IP. The record channel applies to one group (optional) only.

Six frame ID groups verification can guarantee information validity and legal.

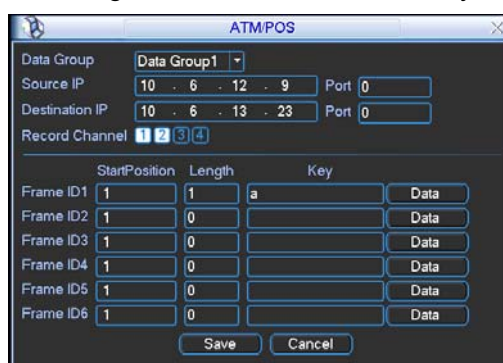


Figure 2-18

Click Data button you can see an interface is shown as in Figure 2-19.

Here you can set offset value, length, title according to your communication protocol and data package. .

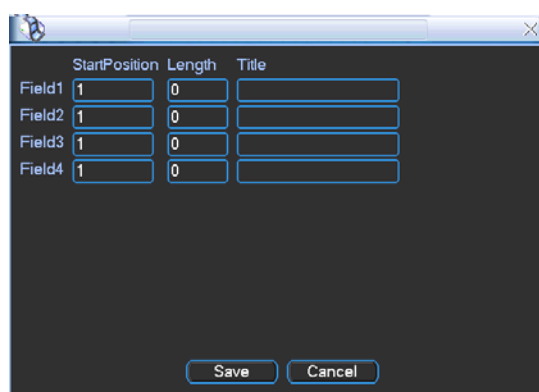


Figure 2-19

3 Web Operation

Slightly difference may be found in the interface due to different series.

3.1 Network Connection

Before web operation, please check the following items:

- Network connection is right
- DVR and PC network setup is right. Please refer to network setup(main menu->setting->network)
- Use order ping `***.***.***.***(* DVR IP address)` to check connection is OK or not. Usually the return TTL value should be less than 255.
- System can automatically download latest web control and the new version can overwrite the previous one.
- If you want to un-install the web controls, please run `uninstall webrec2.0.bat` to auto delete the control or you can go to `C:\Program Files\webrec` to delete Single folder.
- System is compatible with WIN VISTA web control right now. But you need to disable user account control function. Double click user account and then disable user account control. After completing setup, please reboot the PC.

3.2 Login

Open IE and input DVR address in the address column. For example, if your DVR IP is 10.10.3.16, then please input `http:// 10.10.3.16` in IE address column.

System pops up warning information to ask you whether install webrec.cab control or not. Please click yes button.

If you can't download the ActiveX file, please modify your IE security setup.

After installation, the interface is shown as below. See Figure 3-1.

Please input your user name and password.

Default factory name is admin and password is admin.

Note: For security reasons, please modify your password after you first login.

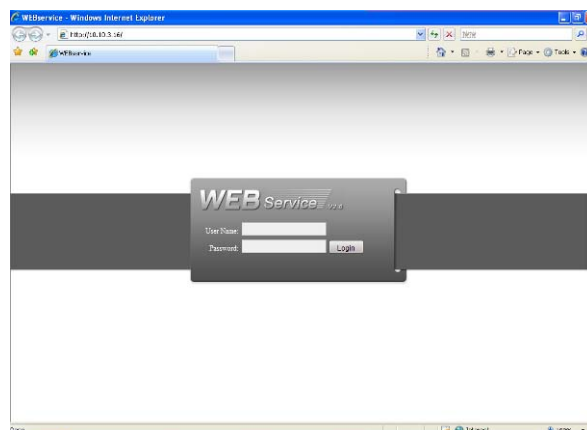


Figure 3-1

3.3 Main Window

After you logged in, you can see the main window. See Figure 3-2.

Click the channel name on the left side; you can view the real-time video.
For detailed operation information, please refer to the *User's Manual* included in the resources CD.

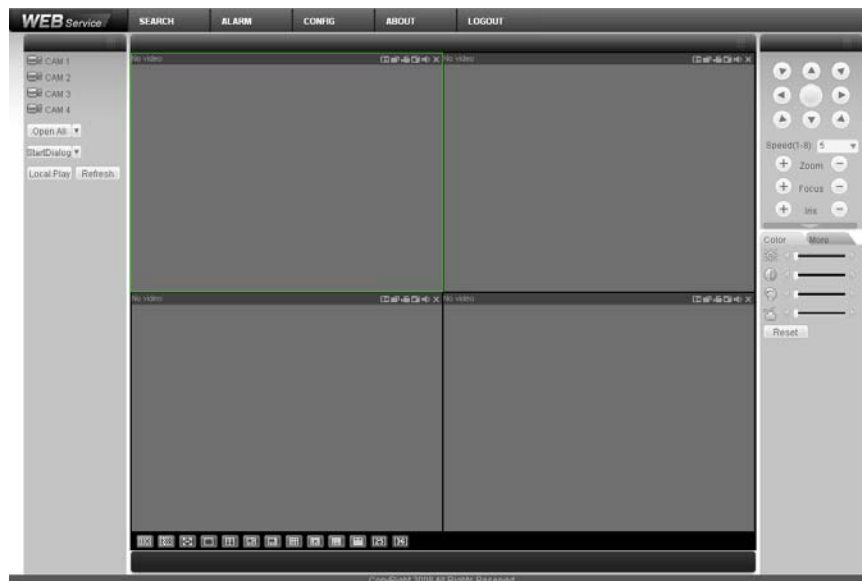
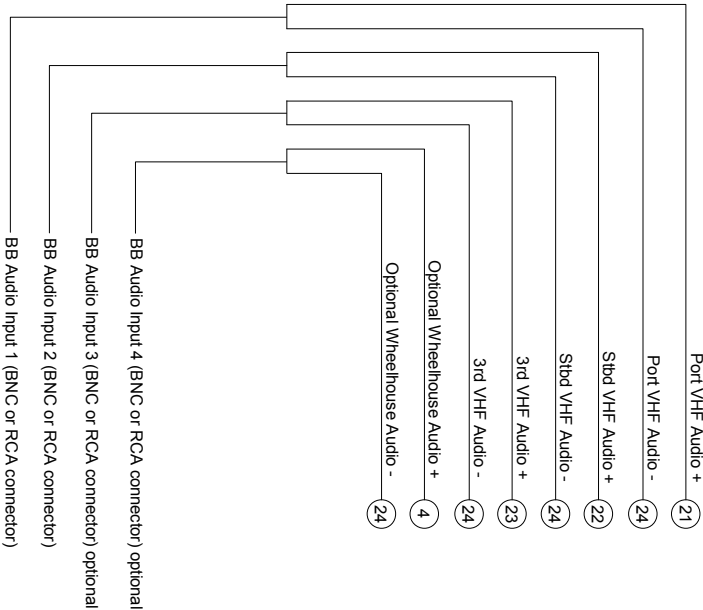
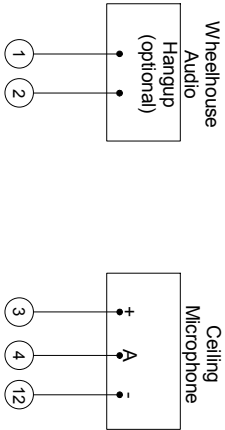


Figure 3-2

Note

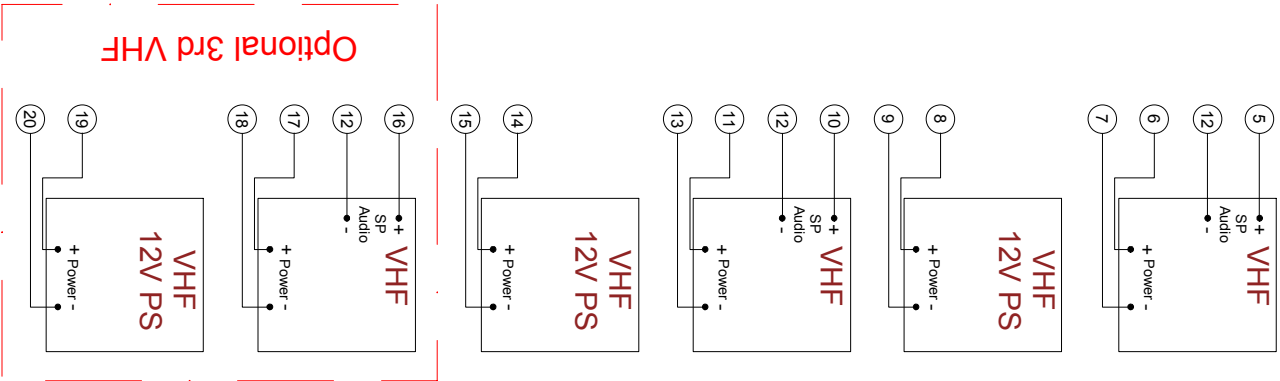
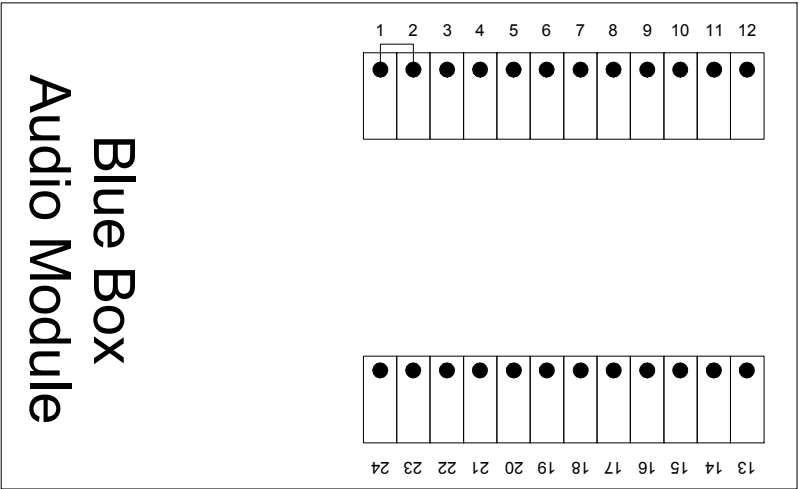
- For detailed operation introduction, please refer to our resource CD included in your package for electronic version of the *User's Manual*.
- Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.
- If there is any uncertainty or controversy, please refer to the final explanation of ours.
- Please visit our website for more information.



NOTES:

1. Numbered circles represent connector on audio module
2. VHF and VHF PS wire to be 12AWG
3. All other signal wires to be 18-22AWG
4. If hangup option used remove jumper from pins 1 & 2
5. Ensure all audio inputs are enabled on Blue Box

A	1	ISSUE FOR BUILD	PD	PD	SD
NO	DATE	DESCRIPTION OF REVISED ISSUE	BY	ENG	APPR
Innovative Marine Safety, Inc.	SCALE= NTS	PROJECT	Blue Box		
Blue Box 4 or 8 channel Audio Wiring Diagram					
ENGINEER APPROVED:					
CUS	PROJECT	TYPE	DRAWING NUMBER	REV	
Z	- 101	- W	- 109	- A	



Blue Box Audio Test Procedure (CUBE Units Only)

1. Turn monitor on
2. Connect external speaker to Audio Output on rear of unit
3. Using mouse right click select View 1 then the first channel name in the list (if asked to login, please provide credentials).
4. This will make channel 1 in full screen mode and activate audio output to monitor.
5. Squelch should be heard by squelching the Port VHF. If no squelch is heard, squelch Starboard VHF. If squelch is heard, the audio input is on the wrong input channel (please contact installer).
6. Once the correct VHF is determined you can un-squelch and transmit. You should hear your voice or a high pitch squeal thru the monitor speakers as the microphone is activated and back feeding thru the system. This test should be done in both low and high power.
7. Once this is verified right click the mouse, select View 1 and the second channel name in the list.
8. Squelch should be heard by squelching the Starboard VHF. If no squelch is heard, squelch Port VHF. If squelch is heard, the audio input is on the wrong input channel (please contact installer).
9. Once the correct VHF is determined you can un-squelch and transmit. You should hear your voice or a high pitch squeal thru the monitor speakers as the microphone is activated and back feeding thru the system. This test should be done in both low and high power.
10. If hang up option is installed you should hear your voice or high pitch squeal whenever the microphone is lifted off the hang-up switch or cradle (on View 1 third channel).
11. Once all audio is confirmed please right select and choose View 4.

Blue Box USB Backup Instructions

1. Insert USB Mouse into rear USB slot.
2. Insert USB memory stick into front USB slot.
3. Wait 10 seconds for the system to install the USB memory stick.
4. Right click mouse and drop down menu will appear.
5. Select (left Click) "Main Menu".
6. Select username drop down to "888888"
7. Select Password area and a drop down number pad will appear.
8. Select "888888" then select "OK" two (2) times. This will take you to the Main Menu.
9. Select "Backup" from Main Menu. Backup menu will appear.
10. You should see the USB stick appears in the main window list.
11. Select "Backup". Backup menu will appear.
12. Move cursor over the Start Time area and select the correct Day. A drop down keypad will appear to select the correct Start Day. You will do this for the Start Time, Monty, Year, Hour, Minute and Second. You may have to use 24Hr time or AM/PM depending on your Blue Box.
13. Once correct Start Time and End Time are selected, select desired channel where data resides (1-4, 1-8 or 1-16 depending on system configuration).
14. Select the "Add" button to add the files to the job.
15. Repeat step 13 to add other channels to the same job.
16. Make sure the files you want to backup have a check mark under the CH heading.
17. Select "Backup" at the bottom of the screen to start the backup process.
18. Once completed, a "Backup Finished" window will appear. Remove the USB drive and right click 3 times to return Blue Box to viewing screen.

NOTES:

Blue Box player is copied onto USB stick during every backup. System is ready to play in any Windows 2000/XP/Vista/7 machine.

In order to run another backup, you must start over with step 1.

Blue Box Cube Weekly Check Out



☐ FOUR GREEN LEDS

☐ ONE RED LED

☐ RADAR IMAGE (RADAR MUST BE TURNED ON)

☐ CAMERA IMAGE (MUST BE DONE DURING DAYLIGHT)

DATE: _____ INSPECTED BY: _____