

ALIBI™ ALI-DVR3000H Series 960H Digital Video Recorder Quick Setup Guide

This quick setup guide provides instructions to initially setup and use your new digital video recorder. For additional information on the extensive capabilities of your DVR, refer to the *ALI-DVR3000H Series 960H Digital Video Recorder User Manual* provided on CD with your system.

DVR Front Panel



ALI-DVR3000H series DVR front panel

Item	Usage
Power LED	Indicator turns green when DVR is powered up.
Status	STATUS indicator lights in red when HDD is reading/writing.
TX / RX	LED indicator blinks green when network connection is functioning properly.
IR Receiver	Sensor for the remote control.
USB Interface	This port can be used for a USB mouse or USB flash memory devices.

DVR Backpanels



ALI-DVR3004H backpanel



ALI-DVR3008H backpanel



ALI-DVR3016H backpanel

Item	Description
1	VIDEO IN BNC connectors for camera video channels in. Number of channels is dependent on the model of the DVR.
2	Monitor Out (CVBS) BNC connector for CVBS video monitor.
3	AUDIO IN RCA connector for audio in cable.
4	ON / OFF switch Switch for powering the DVR on and off
5	USB This port can be used for a USB mouse or USB memory device such as a flash drive or DVD burner. An additional USB port is located on the front panel.
6	HDMI Connector HDMI monitor cable.
7	VGA Connector VGA monitor cable.
8	AUDIO OUT RCA connector for audio out cable.
9	LAN RJ-45 connector for Ethernet drop cable.
10	RS-485 terminations Connector for RS-485 devices. Connect the D+ and D- terminals to T+ and T- of PTZ receiver respectively.
11	12 Vdc Plug for 12 Vdc power adapter.
12	GND terminal Ground terminal post.

Remote Control

The enter key on the remote control or the front panel has the same function as a mouse left click. The IR Range of the remote control is 10 meters. The buttons on the remote control correspond with the buttons on the front panel.



Item	Name	Function
1	POWER	Power on/off the device.
2	DEV	Enables/Disables Remote Control.
3	Alphanumeric Buttons	Switching to the corresponding channel in Live view or PTZ Control mode. Inputting numbers and characters in Edit mode. Switching between different channels in All-day Playback mode.
4	EDIT Button	Editing text fields. When editing text fields, it will also function as a Backspace button to delete the character in front of the cursor. On checkbox fields, pressing the EDIT button will tick the checkbox. In Playback mode, it can be used to generate video clips for backup.
5	A Button	Switching between input methods (upper and lowercase alphabet, symbols and numeric input).
6	REC Button	Entering the Manual Record settings menu. In PTZ control settings, press the REC button and then you can call a PTZ preset by pressing Numeric button.
7	PLAY Button	Playback, for direct access to playback interface.
8	INFO Button	Reserved.
9	VOIP button	Selecting all items on the list; In live view or playback mode, it can be used to switch between main and spot video output
10	MENU button	Press the button will help you return to the Main menu (after successful login). Press and hold the button for 5 seconds to turn off audible key beep.
11	PREV button	Switch between single screen and multi-screen mode.
12	DIRECTION/ENTER buttons	Navigating between different fields and items in menus. In Playback mode, the UP and DOWN button are used to speed up and slow down recorded video. The LEFT and RIGHT buttons select the next and previous day of recordings. In LIVE view mode, these buttons can be used to cycle through channels.
13	PTZ button	Enter the PTZ Control mode.
14	ESC button	Return to the previous menu. Press for Arming/disarming the device in Live View mode.
15	RESERVED	Reserved for future usage.
16	F1 button	Selecting all items on the list when used in a list field. In PTZ Control mode, it will turn on/off PTZ light.
17	PTZ Control buttons	Buttons to adjust the iris, focus and zoom of a PTZ camera.
18	F2 button	Cycle through tab pages.

Mouse Control

A standard 3-button (left/right/scroll-wheel) USB mouse can also be used with this DVR. To use a USB mouse:

1. Plug USB mouse into the either the front panel or backpanel USB connector of the DVR.
2. The mouse will be automatically detected. If the mouse is not detected, the mouse may not be compatible with the DVR. Please refer to the recommended device list from your provider.

The operation of the mouse:

Action	Effect
Right click	Live view: Show menu. Menu: Exit current menu to upper level menu.
Left click	Single click: Live view: Select channel and show the quick set menu. Menu: Select and enter.
	Double click: Live view: Switch between single-screen and multi-screen.
Scroll wheel	Click and drag: PTZ control: pan, tilt and zoom. Tamper-proof, privacy mask and motion detection: Select target area. Digital zoom-in: Drag and select target area. Live view: Drag channel/time bar
	Scroll up: Live view: Previous screen. Menu: Previous item.
	Scroll down: Live view: Next screen. Menu: Next item.

Soft keyboard

An on-screen QWERTY keyboard appears when you click in a field that accepts a text entry, such as a password or name. The keyboard is shown in the following picture. Some control keys toggle their function when they are clicked.



Soft keyboard

Step 1. Install the DVR and monitor

For the following steps, refer to the back panel photo above for the location of connectors.

1. Place the DVR in a location that is secure, well ventilated and clean. The DVR should be positioned such that the back panel connectors are accessible and the ventilation holes on the sides are not blocked.
2. Install and setup your monitor in accordance with the instructions provided with the monitor. Do not power it on at this time.
3. Cable the HDMI or VGA connector to your monitor's VGA or HDMI input. The HDMI interface provides the best performance.
4. Plug the mouse into the USB connector on the front or back of the DVR.
5. If you plan to access your DVR remotely, or configure your DVR to transmit alerts, email, etc. to external servers, plug a drop cable from your local area network (LAN) into the RJ-45 LAN connector on the back of the DVR. (By default, the DVR automatically acquires network settings using DHCP.)
6. Connect the power cord to the power connector on the back panel of the DVR, and then into a UPS (preferred) or surge protector.

Step 2. Install cameras

Install your security cameras as needed to support your security requirements. Always refer to the documentation provided with the camera for installation instructions.

Step 3. Connecting it together – initial system setup

1. Plug the coaxial cables from the cameras into the BNC camera input connectors on the back of the DVR.
2. Power on the DVR using the power on / off (I / O) switch on the back panel.
3. Power on the monitor.

NOTE

Some monitors have multiple inputs such including VGA, HDMI, BNC, etc. If you are using this kind of monitor, configure your monitor to display the input connected to your DVR (HDMI or VGA).

4. Power on your cameras.

1.1.1 Using the Wizard for basic configuration setup

1. Power on your DVR. When the DVR is powered on, an Alibi logo splash screen appears within 2 minutes.



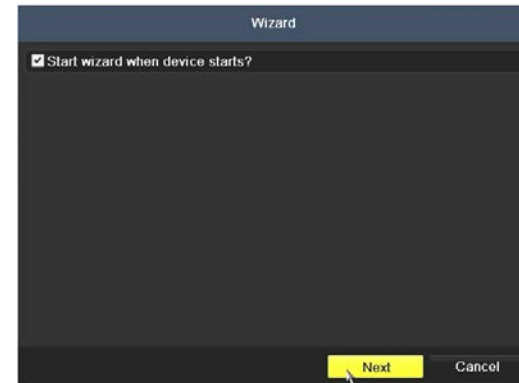
2. After the initial Alibi loading window (see above), a monitor resolution selection screen appears. The DVR will offer the optimal resolution for your monitor, but you can select another resolution if you prefer. At this screen, select the preferred resolution, then click **Next**, or allow the setup Wizard to open.



3. The Setup Wizard can assist you in making important configuration settings in DVR. Click **Next** button on the Wizard window to open the **Login** window.

NOTE

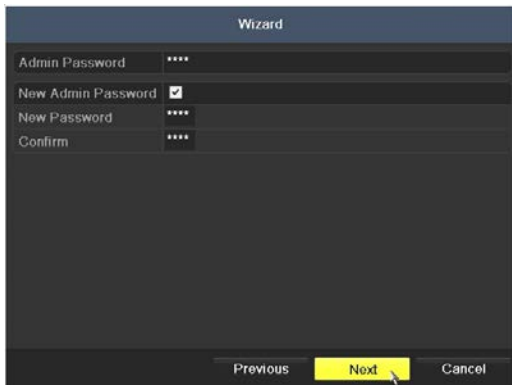
The configuration settings presented in the setup Wizard can also be made and changed using the Menu system. See the *ALI-DVR3000H Series 960H Digital Video Recorder User Manual* provided on CD with your system for more information.



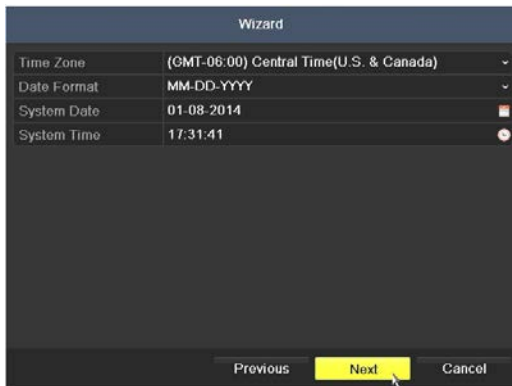
4. Enter the admin password in the appropriate field. To do that, click inside the **Admin Password** field to open the virtual keyboard. Click the appropriate icons to enter the password, then click the **Enter** icon. The default **admin** password is **1111**.



Observint strongly recommends that you change the default admin user password to improve the security of your surveillance system. To change the admin password, check the **New Admin Password** box, then enter the new password in the **New Password** and **Confirm** fields. Record your new password and save it in a secure place for reference later.



5. Click the **Next** button to open the date and time settings window.



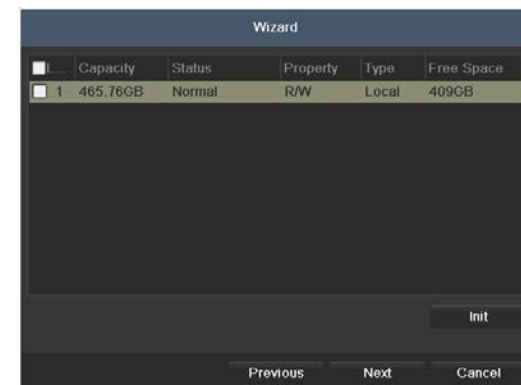
6. In the date and time setup window, click the field you want to change, then use the drop-down list or setup aid to select the appropriate values. Click **Next** to confirm your settings or **Cancel** to discard them and open the network setup Wizard window.
7. In the **Network** setup Wizard window, click the field value you want to change, then use the pop-up aid to enter a new value. By default, the DVR uses DHCP (Dynamic Host Configuration Processor) to acquire compatible (dynamic, changeable) network settings from a network DHCP server.



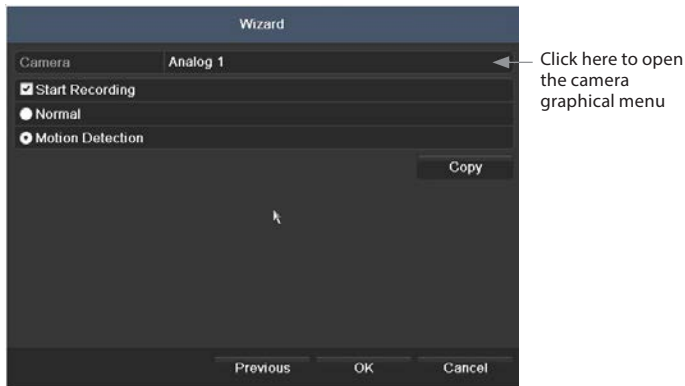
Generally, it is preferable to setup the DVR with a fixed network settings, if possible, to assure the DVR has an unchanging IP address for remote logins. To enable fixed network settings, uncheck the **Enable DHCP** box, then edit the appropriate fields to change the settings. Consult with your network administrator to determine the best network settings for your DVR. When finished, click **Next**.



8. Click **Next** after you configured the network parameters. The HDD management Wizard window will open. If a new DVR is shipped with a pre-configured HDD, nothing needs to be done in this window. If you installed an HDD or replaced the HDD, select (check the box for) the HDD, then click **Init** to setup the disk for the DVR. **NOTE: Init** will erase all data from the disk. When the initialization is complete, click **Next** to continue.



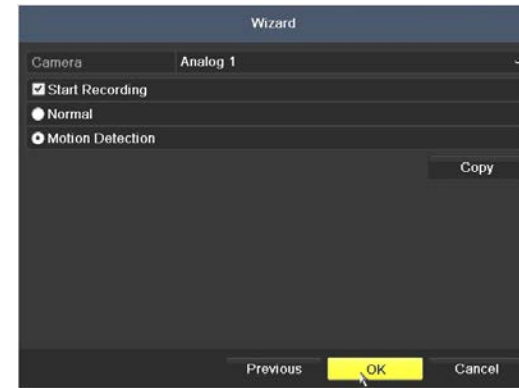
9. In the camera setup wizard, you can initially select the recording mode for each camera attached to the camera input BNC connectors. To use this menu:



- In the **Camera** menu shown above, open graphical menu select the camera to configure. "1" (Analog 1) identifies the camera plugged into the camera input BNC connector 1, "2" (Analog 2) identifies the camera on BNC connector 2, etc.
- To configure the camera for recording, click the **Start Recording** box to check it, then click the bullet for either **Normal** (continuous) mode recording or **Motion Detection** mode recording.
- Do one of the following:
 - * To copy these recording settings to other cameras connected to the DVR, click **Copy**, then select the other cameras to you want to apply the settings to.



- * To configure another camera differently, open the **Camera** graphical menu and select the next camera to configure. Then repeat the steps above to configure the recording mode for that camera. You can also **Copy** these settings to other cameras.
- After configuring the recording mode for each camera, click **OK** to confirm your settings and close the Wizard.



- Click **OK** when the recording mode for each camera is selected. The Wizard will close and the DVR will present the **Live View** display. For more information about the Live View display, refer to the user manual.

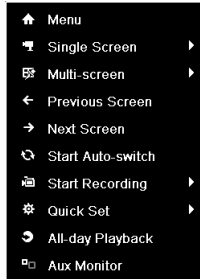


4-channel Live View display

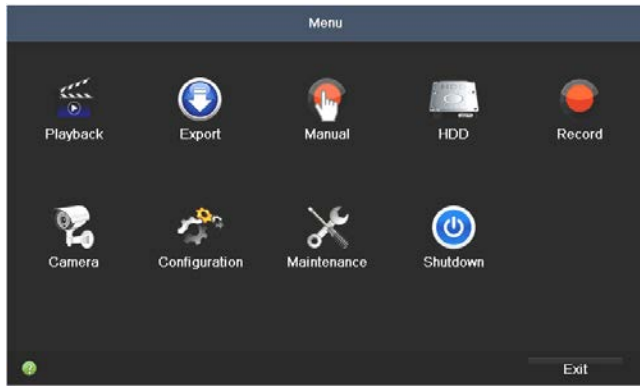
Step 4. Using the Menu system

After the initial setup of your DVR using the Wizard, the Menu interface enables you to refine your configuration settings and expand the functionality of the system. To use most menus, the user must log into the DVR system, either locally or remotely, with administrative privileges.

To open the Menu system from the Live View screen, right click anywhere in the screen, then select **Menu**



If ID Authentication is not disabled (see the General Settings), a login window will open. In the Login window, select a User Name with administrative privileges, enter its password, then click **OK**. **NOTE:** A window of Menu icons will open. The default user “admin” has the default password of “1111”.



For additional information about using your system, refer to the *ALI-DVR3000H Series 960H Digital Video Recorder User Manual* provided on CD with your system.

Specifications

Section	Item	ALI-DVR3004H	ALI-DVR3008H	ALI-DVR3016H
Video/Audio Input	Video Compression	H.264		
	Video Input	4 channels	8 channels	16 channels
	Video Input Interface	BNC (1.0 Vp-p, 75 Ω)		
	Audio Compression	G.711u		
	Audio Input	1 channel, RCA (2.0 Vp-p, 1 kΩ)		
	Two-way audio input	1 channel, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)		
	Video/Audio Output	CVBS Output	1 channel, BNC (1.0 Vp-p, 75 Ω), resolution: 704 × 480	
HDMI / VGA Output		1 channel, resolution: 1920 × 1080 × 60Hz, SXGA: 1280 × 1024 × 60Hz, 1280 × 720 × 60Hz, 1024 × 768 × 60Hz		
Video Loop Out		4 channels, BNC (1.0 Vp-p, 75 Ω)		
Frame Rate		960H / 4CIF / 2CIF @ /15 fps; CIF / QCIF @ 30 fps		960H @ 8 fps; 4CIF / 2CIF @ 10 fps; CIF / QCIF @ 30 fps
Synchronous Playback		4 channels	8 channels	16 channels
Video Bit Rate		32 kbps ~ 3072 kbps, or user defined (max. 3072 kbps)		
Stream Type		Video / Video & audio		
Audio Output		1 channel RCA (linear, 1 kΩ)		
Audio Bit Rate		64 kbps		
Dual Stream		Supported; sub-stream: CIF / QCIF @ 30 fps		
Encoding resolution	WD1 / 4CIF / 2CIF / CIF / QCIF			
Hard Disk	Capacity	Up to 4TB		
	SATA	1 SATA interface		
External Interface	Network Interface	1, RJ-45 10M/100M adaptive Ethernet		
	USB Interface	2, USB 2.0		
	Serial Interface	1, RS-485 interface, half-duple	1, RS-485 interface, half-duplex	
General	Power supply	12 Vdc		
	Consumption	< 10 W	< 10 W	< 15 W
	Working temperature	14°F ~ 131 °F (-10 °C ~ +55 °C)		
	Working humidity	10 % ~ 90 %		
	Chassis	Standalone 1U chassis		
	Dimension (w × d × h)	12.4" × 9.1" × 1.8" (315 mm × 230 mm × 45 mm)		
	Weight	≤ 4.4 lb (≤ 2 kg) w/o hard disk and DVD-R/W		