



DHU600 omni Series

H.264 Digital Video Surveillance Recorder

QUICK SETUP GUIDE



PACKAGE CONTENTS:

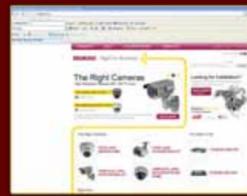
- 1 x DIGITAL VIDEO RECORDER WITH PRE-INSTALLED HDD*
- 1 x POWER ADAPTER
- 1 x REMOTE CONTROL
- 1 x DVI TO VGA ADAPTER
- 1 x MOUNTING KIT
- 1 x USER MANUAL
- 1 x QUICK START GUIDE
- 1 x SOFTWARE CD

ATTENTION:

- * Channel/ Port configuration and HDD (hard disk drive) capacity may vary by model. Check your package for specific content information.
- Monitor and Cameras are not included.
- Ethernet Cable, Broadband Router and Computer are required for local and remote monitoring (not included).
- For detailed setup and software information, please refer to your User's manual.

It's all on the Web www.digimerge.com

Toll free tech support available after completing product registration. For more information on this product, firmware updates, warranty and accessory products, please visit us at: www.digimerge.com



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BASIC SETUP

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Hand Tools | Skills - Easy

STEP 1



Connecting Cameras (not included)

1 Connect BNC cameras to the BNC IN ports on the rear panel.

NOTE: Test the cameras prior to selecting a permanent mounting location by temporarily connecting the Cameras and Cables to your DVR.



Connecting the USB Mouse (not included)

2 Connect a USB mouse (not included) to one of the USB ports on the front panel.

NOTE: If using a PS/2 mouse (not included), a PS/2-to-USB adapter (not included) is required.

The second USB port provides connection for USB Flash Drives (thumbsticks) or USB Hard Drives.



Connecting a Monitor (not included)

3a Connect the included VGA/DVI adaptor to the DVI port at the back of the DVR. Connect the VGA/DVI Cable from the LCD monitor to the VGA/DVI adapter.



OR

3b From the Monitor-Out BNC port connect a BNC terminated cable to a TV or CCTV monitor.



Connecting the Ethernet Cable

4 Connect one end of the Ethernet cable (not included) (for remote monitoring) to one of the router's (not included) LAN ports and the other end to the DVR's Network Port.



Connecting the Power Cable

5 Connect the power cable to the DC 12V port on the rear panel of the system; connect the power adaptor to an outlet, power strip, or surge protector.



NTSC/PAL Switch

6 DHU600 series is compatible with both NTSC/PAL recording settings. By default the system is set to NTSC settings.



BASIC SETUP

BASIC INSTALLATION GUIDE

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STEP 1

CONTINUED

Optional - Mount the DVR to a Rack

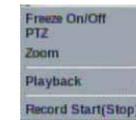
7 Use the included mounting kit to mount the DVR to a rack.



Using the Quick Menu (Mouse option only)

8 Right-click any channel to open the Quick Menu. The sub-menu allows for quick access to key functions, including Panic Recording, Playback, Freeze, and PTZ. To use the sub-menu:

1. Right-click on a desired channel. The Quick Menu opens.



Managing Passwords

9 Using the Virtual Keyboard, enter your **ADMIN password (by default, 1234)** and select **ENTER** to log onto the system. **NOTE: The default system administrator (ADMIN) password is 1234.**



Setting the Date & Time

10 1. Press the **SETUP** button to open the Status Bar.
2. Select **MENU** and press **ENTER**.
3. Select **SYSTEM SETUP** and press **ENTER**. If necessary, login using your **ADMIN password (by default, 1234)**. The Main Menu opens.
4. From the Main Menu, select **SYSTEM** and press **ENTER**. The System menu opens.
5. Select **DATE / TIME** and press **ENTER**.
6. Perform one of the following:

- Under **NETWORK TIME SERVER SETUP**, select **SYNC** and press **ENTER** to synchronize the system to the network time server (the system must be properly connected to your network in order to use this function)

NOTE: It is highly recommended to set the time on the system prior to doing any recording. All recording must be stopped on the system in order to set the time.

OR

- Under **DATE TIME**, manually select the date and time (yyyy/mm/dd; hh/mm/ss) and adjust using the **▲▼** buttons.

NOTE: If you are observing DST time zone in your region, please select the appropriate time zone and turn the DST to ON and set the Auto Time Sync to ON. Press Apply. When prompted enter the P/W by default 1234.

NOTE: If desired, change the Date Format and the Time Format.
7. Select **APPLY** and press **ENTER** to save your changes. You will be prompted to enter the password. 1234 by default.

8. Select **CLOSE** and press **ENTER** to exit.

NAVIGATION AND CONTROLS

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Skills - Easy

STEP 2

Using the Main Menu

1 1. Press the **SETUP** button. The Status Bar opens
2. Select **MENU** and press **ENTER**. The Setup window opens
3. From the Setup window, select **SYSTEM SETUP** and press **ENTER**. If necessary, login using your **ADMIN password (by default, 1234)**.

1. CAMERA
2. DISPLAY
3. SOUND
4. SYSTEM
5. USER
6. NETWORK
7. EVENT/SENSOR
8. DISK MANAGE

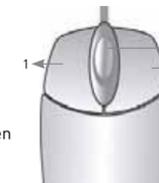


Using a Mouse (not included)

2 **Left-Button:** While in a split-screen display mode, double-click an individual channel to view it in full-screen; double-click again to return to the split-screen display mode. While navigating menus, click to select a menu option.

Right-Button: Right-click anywhere on the screen to open the Quick Menu.

Scroll-Wheel: N/A



Tips and Tricks

3 When navigating the menus using the remote control, perform the following:

- Press the **▲▼◀▶** buttons to move the on-screen cursor
- Press the **ENTER** button to select an option (cursor turns from GREEN to YELLOW)
- Press the **RETURN** button to de-select the option (cursor turns GREEN)

If your system has 16 channels, you may only see CH1-8 in some menus. Select **PAGE UP / PAGE DOWN** to turn menu pages to see all the channels on your system.



Using the Virtual Keyboard

4 1. Select any desired letter, number, or character.
2. Press **ENTER** on the remote control or front panel.

NOTE: If desired, select "A" and press **ENTER** to shift between upper and lowercase letters.



Congratulations! You have completed STEP 1 & 2 successfully. Your DVR is now ready to use. Refer to the owner's manual to learn how to record, playback, use the search features and all other features available with this DVR.

NAVIGATION AND CONTROLS

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Skills - Easy

STEP 2

CONTINUED

Powering On/Off the System

5 **To power on the system:**
1. Press the **POWER** button on the remote control or front panel. After an initial loading sequence, the system displays a live split-screen mode. By default, the system begins recording continuously from any connected cameras.
2. Using the Virtual Keyboard, enter your **ADMIN password (by default, 1234)** and select **ENTER** to log onto the system.

NOTE: The default system administrator (ADMIN) password is 1234. For complete information on changing your password and managing users on the system, please refer to the user manual.

To power off the system:

1. Press the **PWR** button on the remote control to open the Status Bar; press the **PWR** button again to open the Log Off/Power Off window.
2. Select **POWER OFF** and press **ENTER** on the remote control or front panel.
3. Using the Virtual Keyboard, enter your **ADMIN password (by default, 1234)** and select **ENTER** to log off the system.

Using the Jog Ring/Shuttle Wheel

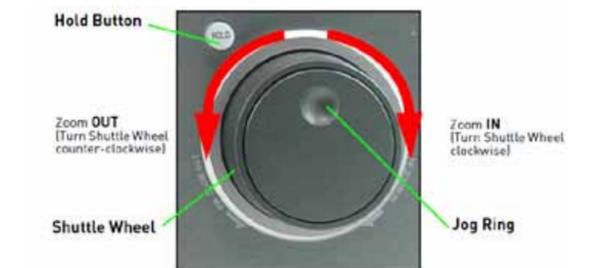
6 During Playback, you can use the Jog Ring/Shuttle Wheel on the front panel to increase/decrease playback speed.

To use the Jog Ring/Shuttle Wheel:

1. Perform any of the following:
 - Turn the Shuttle Wheel steadily clockwise to increase playback speed (1X, 2X, 4X, 8X, 16X, 32X, 64X). Release the Shuttle Wheel to pause playback.
 - Turn the Shuttle Wheel steadily counter-clockwise to increase reverse playback speed (-1X, -2X, -4X, -8X, -16X, -32X, -64X). Release the Shuttle Wheel to pause playback.
 - Press the **HOLD** button to maintain the selected speed (even if the Shuttle Wheel is released).
 - With playback paused, turn the Jog Ring clockwise or counter-clockwise to advance the video frame-by-frame.

NOTE: Playback speed and direction can also be controlled using the five playback buttons located beside the Jog Ring/Shuttle Wheel on the front panel.

2. Press **RETURN** on the remote control or front panel to exit playback.



SET-UP INTERNET REMOTE SECURITY MONITORING - FOR LOCAL AND REMOTE VIEWING

REMOTE VIEWING INSTALLATION GUIDE

STEP 3

Time: 60 Minutes

Hardware

PC/Router

Skills - Advanced



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REMOTE VIEWING INSTALLATION GUIDE

STEP 3

Time: 60 Minutes

Hardware

PC/Router

Skills - Advanced



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REMOTE VIEWING INSTALLATION GUIDE

STEP 3

Time: 60 Minutes

Hardware

PC/Router

Skills - Advanced



CONTINUED

SET-UP INTERNET REMOTE SECURITY MONITORING - FOR LOCAL AND REMOTE VIEWING

REMOTE VIEWING INSTALLATION GUIDE

STEP 3

Time: 60 Minutes

Hardware

PC/Router

Skills - Advanced



CONTINUED

SET-UP INTERNET REMOTE SECURITY MONITORING - FOR LOCAL AND REMOTE VIEWING

REMOTE VIEWING INSTALLATION GUIDE

STEP 3

Time: 60 Minutes

Hardware

PC/Router

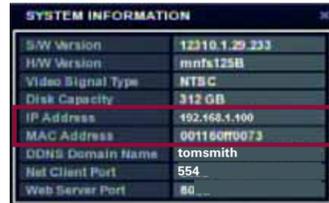
Skills - Advanced



CONTINUED

Retrieve the DVR Information

- To retrieve the System Information:
 - Press the RETURN button once on the front panel of your system.
 - Under the INFO tab you will find your system's IP address and MAC address.



Record the IP and MAC Addresses in the section below:

IP ADDRESS : _____

MAC ADDRESS : _____
(Required for DDNS registration)

Auto Port Forward your Router:

- This unit is capable of Auto Portwarding. Set up DDNS first prior to auto portforwarding.
 - Click on **SETUP** Menu
 - Click on **SYSTEM SETUP**
 - Under **SYSTEM SETUP**, select **NETWORK**
 - On **RTSP SERVER PORT**, click on **AUTOPOINT**. Wait for a **SUCCESS** message
 - On **WEB SERVER PORT**, click on **AUTOPOINT**. Wait for a **SUCCESS** message
 - Press **APPLY** to apply the changes
 - Under **ALIAS** make sure the DDNS link appears. (e.g. http://tomsmith.digimerge.net). The URL that appears on **ALIAS** should be used for Remote Access (WAN).
- Note: Auto portforwarding will only work with the UPNP enabled routers. In the event if your router does not support auto port forwarding, please use the manual Port Forwarding as suggested in Step 3-3.

Port Forward your Router (manually):

- Port forward your router first before proceeding with the set-up. You must forward Port: 554 (TCP/IP port), 80 (Web Port)

All routers are different. To port forward your router, please refer to your router's user manual.

An example of a port forwarding screen is shown for illustration purposes.

Application	Start	End	Protocol	IP Address	Enable
System	554	to 554	Both	192.168.1.12	<input checked="" type="checkbox"/>
System	80	to 80	Both	192.168.1.12	<input checked="" type="checkbox"/>

DDNS (Dynamic Domain Name System) Set-up:

- Open your web browser (Internet Explorer by default) and enter http://ddns.digimerge.net in the address bar.

<http://ddns.digimerge.net>

Create Account:

- Open your web browser (Internet Explorer by default) and enter http://ddns.digimerge.net in the address bar.



Complete New Account Information:

- FOR PRODUCT LICENSE select the **DHU600 Series** option from the drop down menu.
- FOR PRODUCT CODE enter the Monitor's MAC address (recorded in step 3, section 1).
- FOR URL REQUEST enter a unique URL name (e.g. tomsmith). Note: URL name should not be more than 15 characters.

Registration Email:

An automated **REGISTRATION CONFIRMATION EMAIL** will be sent to your email. Print and Save this confirmation. You will need this information to access your System remotely.

Service Provider: sdn.digimerge.net
Domain Name: tomsmith
User ID: tomsmith
User Password: (your password)

Enter DDNS Set-up on your DVR



ATTENTION: You MUST enter your DDNS information **LOCALLY** before attempting remote access.

To enable DDNS on your system:

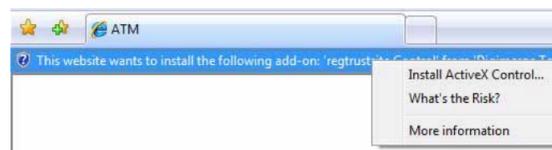
- Press the **SETUP** button twice on the remote control. Select **SYSTEM SETUP** and press **ENTER**. If necessary, log in with your user name and password (by default, **user name: ADMIN; password: 1234**).
 - Select **NETWORK** and press **ENTER**.
 - Select **DDNS** and press **ENTER**.
 - Under **DDNS**, select **ON** and to enable Digimerge **DDNS**.
 - DDNS SERVER NAME** by default is **DIGIMERGE**.
 - Under **USER ID**, enter your **Digimerge DDNS user name**.
 - Under **DOMAIN NAME**, enter only the first portion of your DDNS domain from the confirmation email. For example, if your domain name is tomsmith@digimerge.ddns.net, you only need to enter "tomsmith" in the text field.
 - Under **PASSWORD**, enter your **Digimerge DDNS password**.
- NOTE:** Select **STATUS** and press **ENTER** to verify the DDNS connection. Click **OK**.
- Select **APPLY** and press **ENTER** to save your settings or select **CANCEL** to restore defaults.
 - Select **CLOSE** and press **ENTER** to exit.

Logging into Web Remote Viewer (LOCALLY):

- Open Internet Explorer, and type in the local IP address (192.168.XXX.XX) which you obtained from Step 3-1. A login window appears.
- Enter in your DVR's user ID and password.** The Web Remote Viewer window opens.

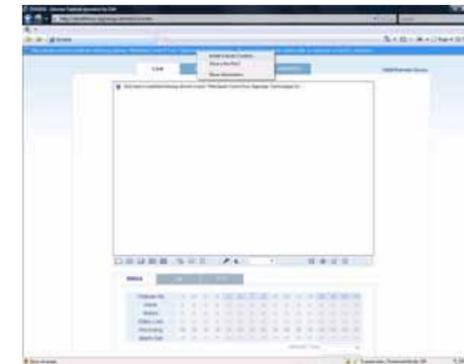


- Click the Active X menu bar near the top of the browser. Click **Install ActiveX Control**.

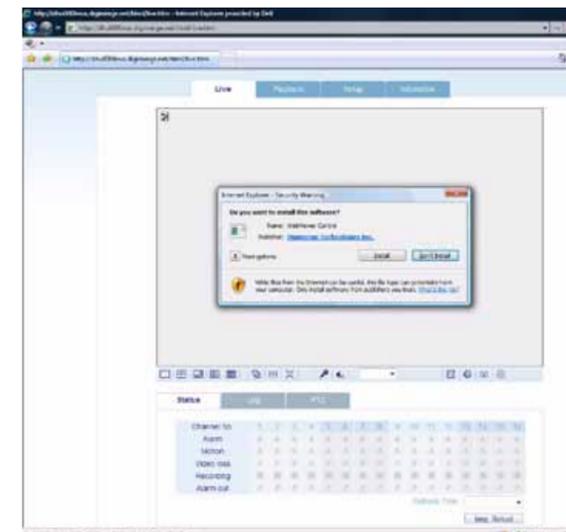


- Click **Install** when the security window opens.

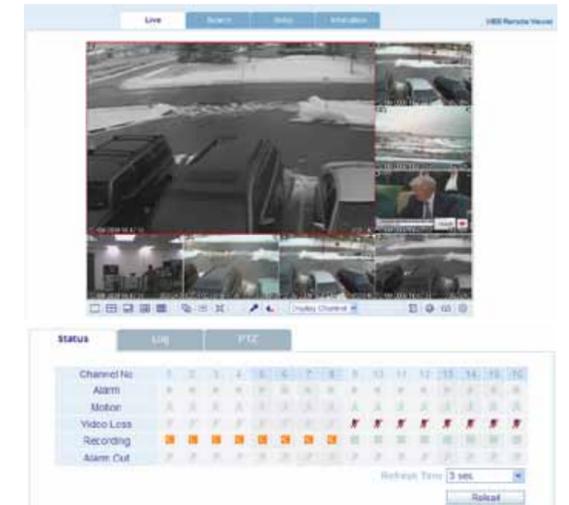
- Click the ActiveX toolbar when the main Web Remote Viewer window opens. Click **Install ActiveX Control**.



- Click **Install** when the security window opens.



- The Web Remote Viewer automatically detects and connects to your DVR after the ActiveX plug-in installs.



LOCAL LIVE SITE

Logging into Web Remote Viewer (REMOTELY):

- Open Internet Explorer, and type in the DDNS address you registered with the DHU600. A login window appears.
- Enter in your DVR's user ID and password.** The Web Remote Viewer window opens. Repeat steps 3-9-3 to 3-9-6 to view the system remotely (WAN).

NOTE: Remote viewing is only compatible with Internet Explorer & Safari (MAC). Other browsers are not supported.

Congratulations! You have completed 4 successfully. You can now view, playback images on your Local Computer via LAN (local area network) and Remotely control the system on your Remote computer over the Internet (Wide Area Network).