

# Uniden®



## GUARDIAN

# SET UP GUIDE

### Wired Video Security DVR System

*This Set Up Guide applies to the following models:*

**B6440D1**

**G6440D1**

**G6840D1**

**G6860D2**

**G6880D2**

Uniden surveillance products are not manufactured and/or sold with the intent to be used for illegal purposes. Uniden expects consumer's use of these products to be in compliance with all local, state and federal law. For further information on video surveillance and audio recording legal requirements, please consult your local, state and federal law.

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## ABOUT YOUR VIDEO SECURITY SYSTEM

Thank you for purchasing Uniden's Guardian Video Security DVR. This state of the art surveillance system provides high quality synchronous audio and video. TCP/IP network technology lets you monitor and operate your system remotely.

This Setup Guide provides basic setup and operation information so you can quickly get your system up and running. It also sets up remote viewing access. Download the Owner's Manual from [www.uniden.com](http://www.uniden.com) for detailed information about system operation.

### INCLUDED IN THE BOX:

- Cameras (4, 6, or 8)
- Receiver (1)
- 12V 2A Power Adapter (2)
- 4-or 8-Way Splitter Cable
- 60' Extention Cable (4, 6, or 8)
- USB Mouse
- Ethernet Cable
- HDMI Cable
- Camera Mounting Kit

If any items are missing or damaged, visit [www.uniden.com](http://www.uniden.com) for assistance

## SETTING UP YOUR SYSTEM - BASIC

***Images in these installation procedures show the front and back panels of the G6840D1. Other models' back panels will be different, but similar.***

Basic setup connects the DVR to all peripheral equipment (cameras, mouse, monitor, etc) and power. Once connected, your system is ready for use through the DVR's menu system.

You can set up your system in 2 stages - installing your system hardware and then setting up basic configuration. Each stage has separate steps.

### STAGE 1 - Install System Hardware


- Connect DVR to Power
- Connect Mouse to DVR
- Connect DVR to Monitor
- Connect Ethernet Cable
- Connect Cameras to DVR and Power
- Install Cameras

### STAGE 2 - Basic System Configuration


- Complete Wizard and Log In
- Set Password

- Set Screen Resolution
- Set Motion Sensitivity

### CONNECT DVR TO POWER

1. Connect the DVR to 12V power using the 12V 2A power adapter (supplied).	
2. Connect the power adapter to the surge protector plugged into 120V indoor power.	


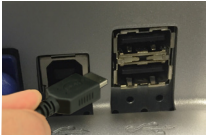
### CONNECT MOUSE TO DVR

Connect the mouse to the DVR at the labeled USB port on the back of the DVR.	
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### CONNECT DVR TO MONITOR

There are three different ways to connect the DVR and monitor, depending on what type of monitor port connection is available.



#### Monitor with HDMI Port

1. Connect DVR and monitor using HDMI Cable (included).		
HDMI cable to DVR		HDMI cable to Monitor (example)
2. Connect monitor to surge protector plugged into 120V indoor power.		
3. The DVR beeps as it powers up. After the UNIDEN welcome screen displays, the Wizard screen displays.		
4. Select <b>Exit</b> for now; we will return to the Wizard later in the setup process.		

## Monitor with VGA Port

<ol style="list-style-type: none"> <li>1. Connect DVR and monitor using VGA Cable (not included).</li> </ol>	 <p>VGA cable to DVR</p>	 <p>VGA cable to Monitor (example)</p>
<ol style="list-style-type: none"> <li>2. Connect monitor to surge protector plugged into 120V indoor power.</li> </ol>		
<ol style="list-style-type: none"> <li>3. The DVR beeps as it powers up. After the UNIDEN welcome screen displays, the Wizard screen displays.</li> </ol>		
<ol style="list-style-type: none"> <li>4. Select <b>Exit</b> for now; we will return to the Wizard later in the setup process.</li> </ol>		

## TV with BNC Port (VIDEO IN)

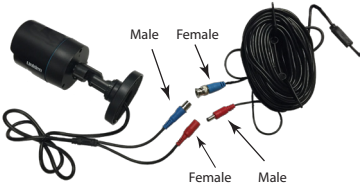
<ol style="list-style-type: none"> <li>1. Connect DVR and TV using BNC-RCA Cable (not included).</li> </ol>	 <p>BNC-RCA cable to DVR</p>	 <p>BNC-RCA cable to Monitor (example)</p>
<ol style="list-style-type: none"> <li>2. Connect TV to surge protector plugged into 120V indoor power.</li> </ol>		
<ol style="list-style-type: none"> <li>3. The DVR beeps as it powers up. After the UNIDEN welcome screen displays, the Wizard screen displays.</li> </ol>		
<ol style="list-style-type: none"> <li>4. Select <b>Exit</b> for now; we will return to the Wizard later in the setup process.</li> </ol>		

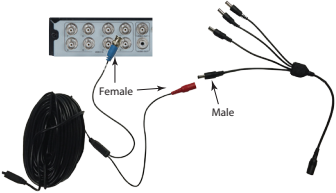
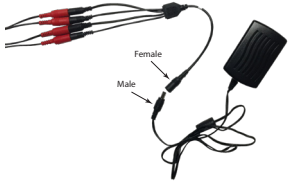
## CONNECT ETHERNET CABLE

Connect one end of the Ethernet cable to the RJ45 jack on the DVR and the other to your ethernet connection device (router, cable box, etc).

## CONNECT CAMERAS TO DVR AND POWER

Each camera connects to one end of the 60 foot extension cable. The other end of the cable connects to the receiver and to power. The ends of the extension cable are marked for Camera or DVR side

<ol style="list-style-type: none"> <li>1. Connect camera cable's blue end (male) to the blue camera-side BNC end (female) of the extension cable.</li> </ol>	
<ol style="list-style-type: none"> <li>2. Connect the camera cable's RED power connector (female) to the DVR extension cable's RED power connector (male).</li> </ol>	

<p>3. Connect the extension cable's other blue BNC end (female) to DVR's Video In connector (male).</p> <p><b><i>The Video In ports on the back of the DVR are numbered. Do not connect cameras to ports that your system does not support. If you have 1 - 4 cameras, use ports labeled 1 - 4, etc.</i></b></p>	
<p>4. Connect the extension cable's red (female) power connector to one of the power splitter cable ends (male).</p>	
<p>5. Repeat these steps to connect the other cameras to the DVR and to the splitter cable.</p>	
<p>6. Connect the power splitter cable to the power adaptor.</p>	
<p>7. Plug power adaptor into the surge protector. Live video from the cameras displays on the screen.</p>	

***Some DVR systems have more than 4 cameras. DVR systems with 6 or 8 cameras have an 8x splitter.***

## INSTALL CAMERAS

***Video surveillance laws vary from state to state. Check local regulations to be sure you are operating in a legal manner.***

### Installation Tips

- When selecting an outside location for your cameras, keep in mind that most cameras are designed to operate between 14°F to 122°F (-10°C to 50°C) with a relative humidity of up to 95%. Avoid installing cameras in direct sunlight, and consider wind chill and other environmental factors, too.
- Mount the camera in an area that is visible, but out of reach. Route the wiring so it does not interfere with power or telephone/cable lines and it should not be where it could be easily cut. Create a plan for camera wire routing and for camera angle.
- Adjust the camera angle so that it covers an area with high traffic as needed. In "high-risk" locations, have more than one camera cover the same area. This provides camera redundancy if a vandal attempts to damage a camera.

- If you position cameras indoors, avoid pointing the camera at a glass window to see outside. This may result in a bright white ring in the night vision image because the light from the night vision LEDs may reflect off the window glass.

Take the following placement suggestions under consideration:

- **Cabling Distance From DVR to Camera.** The video signal sent from the camera to the DVR is reduced over distance. The maximum distance allowed is 330 feet (100 meters). A 60 foot cable is included. If you need a cable longer than 60 feet, then use an RG59 cable (with suitable connectors).
- Do not submerge any camera.
- **Mounting.** Ensure the camera is mounted on a stable surface which is capable of supporting 5 times the weight of the camera.
- Avoid direct exposure to the weather. Cameras which are weatherproof may be mounted outside, such as under an eave or other overhang; however, the image will be affected by rain, etc., landing on the lens. Do not allow direct sunlight to land on the lens.

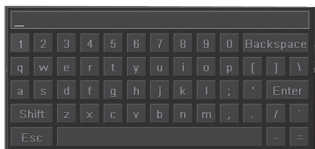


- |   |
|---|
| 1. With the DVR connected to the camera, hold it in the location where you want it mounted. Check the display on the monitor to verify that the view from that location is acceptable.  |
| 2. Mount the camera(s) to the desired surface using the parts in the supplied mounting kit. If mounting on drywall, use the drywall anchors supplied in the kit.  |
| 3. Adjust the camera stand to ensure that the camera has a satisfactory view of the area you would like to monitor. The camera has several adjustment points to provide maximum flexibility when setting the view angle. Use a Philip's head screwdriver (not included), to make any adjustments. |

# BASIC CONFIGURATION

Basic configuration lets you use the DVR's internal menu system to access all DVR features. The easiest way to get started is to go through the Wizard quick setup and then fine tune specific areas (such as screen resolution, etc.).

*Some fields may require keyboard input. Select the field and a pop-up keyboard displays. This keyboard supports alphanumeric and symbol keys. Shift once to input a capital letter; shift again to return to lower case. Click ESC to close the keyboard.*

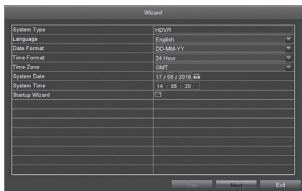


## POWER ON AND ACCESS WIZARD

1. If your DVR is already connected to power, disconnect it. Reconnect the DVR to the power supply; the DVR powers up and the POWER and HDD LEDs on the front light up.
2. After the DVR powers up and the UNIDEN welcome screen displays, the first of three Wizard screens displays. Fill in the date and time information. The most commonly used time zones for this system are:

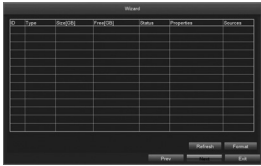
- GMT-05:00 - Eastern Standard (Default)
  - GMT-06:00 - Central Standard
  - GMT-07:00 - Mountain Standard
  - GMT-08:00 - Pacific Standard
  - GMT-09:00 - Yukon Standard
  - GMT-10:00 - Alaska-Hawaii Standard

3. Select **Next**.
4. The second Wizard screen sets up DVR monitoring through the internet. Set the Http Port to 8091 and the server port to 5000. Click **Obtain an IP address automatically** to get network information or fill in the fields manually. Refer to the Owner’s Manual at [www.uniden.com](http://www.uniden.com) for internet access details. Click **Next**.





5. The last Wizard screen displays storage status. Review the information and then click **Finish** to save the Wizard setting. Live video displays.



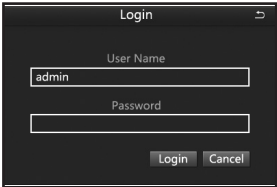
LOGIN

You need to log into the system to continue setting it up.

1. Right-click on any Live View screen; a menu shortcut screen displays.

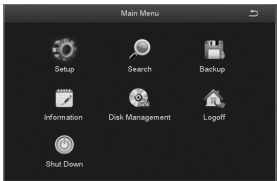


2. Select *Main Menu*; the Login dialogue box displays. The user name, *admin*, is already entered. There is no password required so select **Login** (set a password after you log in).



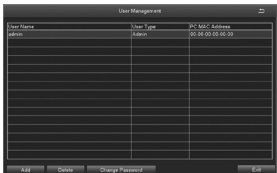
**NOTE: Uniden strongly recommends that you set a password for your system.**

3. The *Main Menu* screen displays.



SET PASSWORD

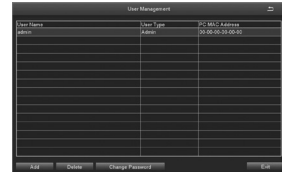
1. From the *Main Menu* screen, select *Setup>Users*. The *User Management* screen displays.



2. Select **Change Password**. (At this point, there are no other users added to the system.) In the *Change Password* screen, enter a new password and confirm it using the popup keyboard, selecting **Enter** each time. Select **OK** to save the new password.



3. The *User Management* screen displays again.

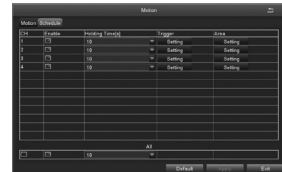


4. Click EXIT to return to the Setup screen.

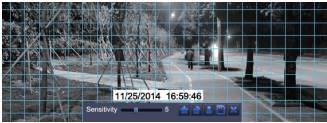




## SET MOTION SENSITIVITY

You can set how sensitive the camera should be for movement to trigger recording. You can also block off (mask) certain areas of the camera's viewing window so normal movement in those areas (trees, wind chimes, etc.) won't trigger recording.

1. From the menu shortcut screen, select *Main Menu/Setup/Alarm/Motion*. The *Motion* screen displays.



2. Set each camera's motion detection specifications.
  - Select Camera. Select the channel you want to record when motion is detected.
  - Select Holding Time. Set how long the camera continues recording after motion is no longer detected.
  - Select Trigger. Other channels record when one of the cameras detects motion. The Trigger field sets how that camera notifies that it is recording (buzzer, email notification, etc).


<p>3. The last field, Area, masks parts of the viewing area from being triggered by normal motion. Select Setting, and a grid displays over the camera's live view. Use the left mouse to select a grid to block from view. Left-click and drag to select multiple boxes. Left-click those boxes again to de-select them. Mask off flags, trees, or other objects that move in the wind to avoid false alerts.</p>	
<p>4. Right-click to display the control bar. Click <b>STAR</b>  to make the whole viewing range a sensitivity area. Click the <b>TRASH CAN</b>  to remove sensitivity areas. Click <b>SD CARD</b>  to save the settings and click  to exit.</p>	
<p>5. From Live view, test motion detection by moving something or having someone walk through the camera's view. If the DVR detects movement within the active grid area, a red person icon displays.</p>	

**NOTE:** Refer to the detailed Owner's Manual for other ways to mask areas from recording.

## BASIC OPERATION

This section covers the most common operations related to recording and viewing video files. See the detailed Owner's Manual on [www.uniden.com](http://www.uniden.com) for more information on all operations and specifications for this system.

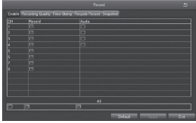
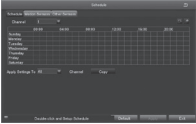
### MANUAL RECORDING

<p>1. From the menu shortcut list, select <b>Start Record</b>. A green square displays in the lower left corner of the live view, indicating that recording has begun.</p>	
<p>2. To stop recording, select <b>Stop Record</b> from the menu shortcut list (<b>Start Record</b> changes to <b>Stop Record</b> when recording starts ). The green square goes away.</p>	

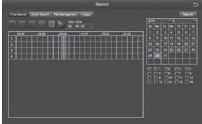



**NOTE:** Refer to the detailed Owner's Manual for other ways to manually start recording.

### SET RECORDING SCHEDULE










To set up a recording schedule, you have to enable recording and audio on the cameras you want to record (Step 1). After that, set up a time schedule for each channel to automatically begin recording (Step 2).

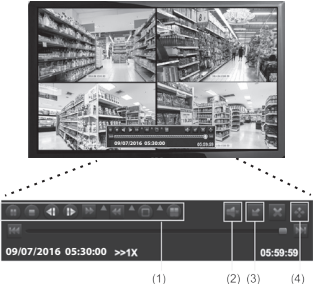
<p>1. Go to <i>Main Menu&gt;Setup&gt;Record, Record</i> tab. Check the <b>Record</b> and <b>Audio</b> boxes for each camera you want to be able to record.</p>	
<p>2. Go to <i>Main Menu&gt;Setup&gt;Schedule, Schedule</i> tab. Select a channel, then select the blocks of time you want the camera to record. Select <b>Apply</b> to save the schedule for that channel.</p>	
<p>3. Repeat these steps for each channel or select <b>Apply Settings To</b> and enter the channel number to use those same settings.</p>	

## VIEW RECORDED FILES

<p>1. Go to <i>Main Menu&gt;Search</i>. The <i>Search</i> screen displays.</p>	
<p>2. Set up your search parameters:</p> <ul style="list-style-type: none"> <li>• Select a date to search from the right-hand calendar.</li> <li>• Select the cameras to search.</li> <li>• Select single channel (  ) or multiple channels (  ) to search</li> <li>• Enter the timeframe to start searching.</li> </ul>	
<p>3. Select  to play back records for that time. The monitor plays back the files recorded for the requested channel from the requested time.</p>	

4. A playback control bar displays across the bottom of the recorded file playback screen.

Icon	Function	Icon	Function
	Play/Pause		Previous frame
	Next frame		Fast forward
	Reverse		Single-screen display
	Multi-screen display		
The following icons display while the record is playing:			
	Play previous file		Play next file



- (1) Playback Control
- (2) Channel Audio Switch  
(not available on all models)
- (3) Function Hidden Key
- (4) Operate Playback




**Refer to the online Detailed Owner's Manual at [www.uniden.com](http://www.uniden.com) for more system operation details.**




## REMOTE ACCESS

### SMARTPHONE

View live and recorded video remotely using an iOS or Android device and Uniden's ProHD App.

***iOS screens are similar to the Android screens and are not shown.***

1. From the Apple App Store, Google Play, or the Amazon App store, download the Uniden ProHD app.	
2. Open the app. The <i>Create Account</i> screen displays.	
3. Complete the fields and then select <i>OK</i> . The <i>Device List</i> screen displays.	

<p>4. Select the + icon at the top right corner to add your DVR system to the app. The <i>Add Device</i> screen displays.</p>	
<p>5. Name your DVR system. Select the QR code icon and scan the QR code label on top of the DVR box or the applicable QR code from <i>Main Menu/Information/System</i> screen on the monitor. This will add the DVR Device ID code to the app. Select <b>OK</b>.</p>	
<p>6. The <i>Device List</i> displays again, with your system now listed. Select your system and live video displays on your device.</p>	

***Go to [www.uniden.com](http://www.uniden.com) to download the complete User's Manual for detailed information.***

## FCC PART 15/IC COMPLIANCE

### FCC PART 15 COMPLIANCE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes: 1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

### IC COMPLIANCE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Cet appareil est conforme aux normes RSS exemptes de licences d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

## ONE YEAR LIMITED WARRANTY

### WARRANTOR: UNIDEN AMERICA CORPORATION (UNIDEN)

**ELEMENTS OF WARRANTY:** Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

**WARRANTY DURATION:** This warranty to the original user shall terminate and be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is

- (A) damaged or not maintained as reasonable or necessary,
- (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden,
- (C) improperly installed,
- (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty,
- (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or
- (F) installed or programmed by anyone other than as detailed by the Operating Guide for this product.

**STATEMENT OF REMEDY:** In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will repair the defect and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion might not apply to you.

**LEGAL REMEDIES:** This warranty gives you specific legal rights, and you might also have other rights which vary from state to state. This warranty is void outside the United States of America.

**PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY:** If, after following the instructions in this Operating Guide you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, or delivered, to warrantor at:

Uniden America Service  
C/O Saddle Creek  
743 Henrietta Creek Rd., Suite 100  
Roanoke, TX 76262