# Uniden® | GUARDIAN™

## Video Surveillance System
## G766 User's Guide

## CUSTOMER CARE

At Uniden®, we care about you!

If you need assistance, please do NOT return this product to your place of purchase. Our customer care specialists are available to serve you.

Quickly find answers to your questions by:

1.  Reading your owner's manual, included with this product.
2.  Visiting our customer support website at www.uniden.com.
3.  Calling our customer care specialists at 1-817-858-2900 or 1-800-658-8068.

# CONTENTS

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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# GETTING STARTED

## USING THIS MANUAL

This manual is set up in six main sections:

- Getting Started. This section describes your hardware and how to physically set it up.

- Uniden Guardian™ Software Operations Overview. This section lists basic operations in an abbreviated format. It references screen details in the third section.

- Uniden Guardian Screen Descriptions. Here you will find detailed descriptions of each screen and how it is used.

- Remote Access. This section tells you how to connect your surveillance system to the internet and access it from your PC or other devices.

- Maintaining Your System

- Solving Problems

## WHAT'S INCLUDED

You should have the following items:



G7 Receiver and Cradle

GC45 Camera (2) Stand (2)
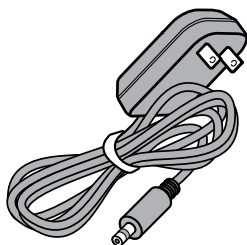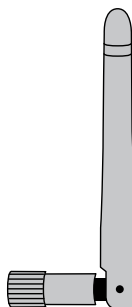


AC Adapter (3)        Antenna (2)

Not Shown:  Mounting screws, Ethernet cable, 2 extension cords, and SD Card.

*If any items are missing or damaged, contact our Customer Care Line immediately.
Never use damaged products!*

# GETTING TO KNOW THE RECEIVER AND CAMERAS

**Receiver (back/side)**

Antenna

Reset

Power On/Off

SD slot

AC Power Connection

Pull-Out Stand

**Cradle**

Receiver Power Dock

Data Cable Connection

AC Power Connection

**Front view**

Power status

Link status

Light sensor

**Back view**

Antenna connector

Power pigtail

Power/Pair button

Microphone
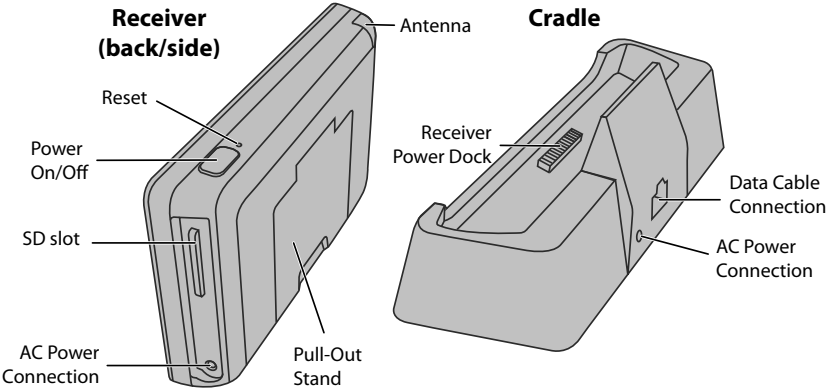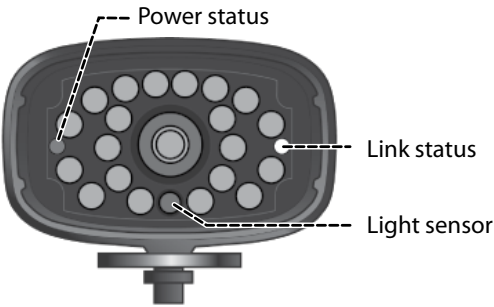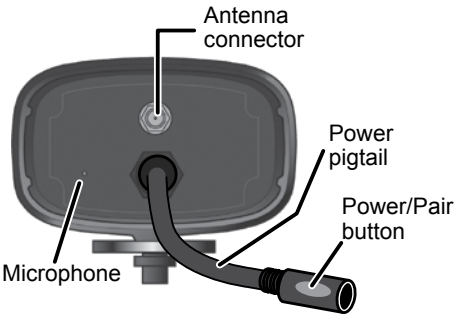
## WHAT THE LIGHTS MEAN

| Light | State | What it means |
|-------|-------|---------------|
| Power status | On (Red) | The camera is on. |
| | Off | The camera is off. |

| Light | State | What it means |
|-------|-------|---------------|
| Link status | Flashing | The camera is in pairing mode. |
| | On (Green) | The camera is connected to the receiver. |
| | Off | The camera is in standby. |

## SETTING UP THE EQUIPMENT

### SET UP THE RECEIVER

1. If you are using the receiver as a stand-alone unit, flip out the stand on the back of the receiver, and extend the antenna. Connect an AC adapter to the power input on the side of the receiver. If you are using the receiver in the cradle, insert the receiver into the cradle and connect an AC adapter to the input on the back of the cradle.
2. Connect the other end of the adapter to a 120 volt AC (standard indoor) power outlet.
3. Press and hold the **POWER** button on the top of the receiver for 3 - 4 seconds to power it up.
4. The receiver displays the Uniden *Welcome* screen for a few seconds and then transitions to the LIVE view.

   ***The screen remains dark until the cameras are powered up.***

### MOUNT THE CAMERA STAND

*GENERAL GUIDELINES*

The Uniden Guardian GC45 cameras included with your receiver are weatherproof and have an IP66 rating. Water can be sprayed on them and they will still work; however, the cameras cannot be submerged underwater.

Although the cameras can be exposed directly to the rain, it is recommended that, if they are used outdoors, they be mounted under some type of cover like a patio overhang or eave. As rainwater drops start to dry on the camera glass, it can create spots that will reflect the light from the infrared LEDs used for night vision, thus causing lower quality video.

Also, as dust, grime, and cobwebs accumulate on the camera glass, they can reflect light from the infrared LED and might lower video quality. Periodically clean the lens glass with a soft cloth.

*PLACEMENT CONSIDERATIONS*

Consider the following when placing cameras:

- The clearest line-of-sight between the camera and monitor is best.

  — Walls, especially brick and concrete, shorten the transmission distance.

  — Placement next to windows allows better transmission.

- Optimized motion detection range is 6 - 18 feet for the GC45 camera. The farther away an object is, the less accurate the motion detection.

- Avoid having a direct light source in the view of the camera, including street lights, ceiling or floor lamps, spotlights in the driveway, etc.

- Rainfall, pool water ripples/reflections, tree/shrub leaves blowing in the wind - and the shadows they create - can generate motion detection false alarms.

You can mount the camera with the stand on the bottom (on a wall or table-top) or on the top (on the ceiling). When you are positioning the camera, you might want to bring the receiver along; it's much easier to get the camera into the right position when you have the display handy.
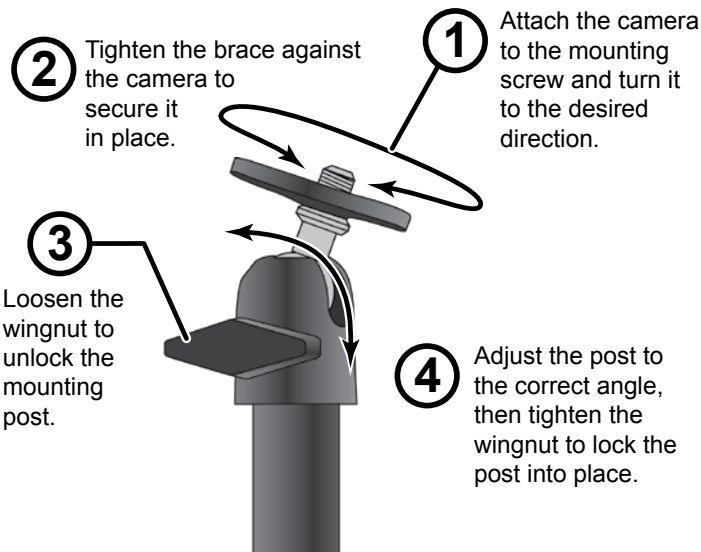
1. Hold the base of the camera stand where you want  to mount it and mark the location of the screw holes.
2. Use the included screws and anchors to attach the base to the wall or ceiling.
3. Before attaching the camera, tug gently on the stand to make sure it is securely in place.

## ATTACH THE CAMERA

1. For each camera, attach the camera bracket to the mounting screw. You can attach the stand to the top or the bottom of the camera as needed. Tighten it a few turns, then turn the camera to face the direction you want.

**(2)** Tighten the brace against the camera to secure it in place.

**(1)** Attach the camera to the mounting screw and turn it to the desired direction.

**(3)** Loosen the wingnut to unlock the mounting post.

**(4)** Adjust the post to the correct angle, then tighten the wingnut to lock the post into place.

2. Tighten the camera brace up against the camera to secure it into place.
3. Unlock the mounting post by turning the wingnut to the left a few turns.
4. Set the mounting post to the correct angle, then tighten the wingnut until the post is locked into place.
5. Attach the antenna to the rear of the camera.
6. Connect one end of an AC adapter to the camera's power pigtail and plug the other end into a 120 volt AC (standard indoor) power outlet. (If necessary, connect the extension cord to the camera's pigtail and connect the AC adapter to the extension cord.)
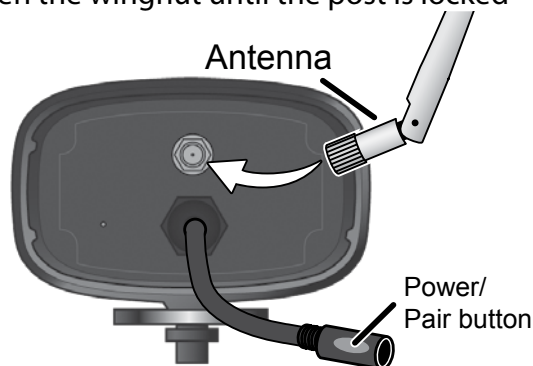
   ***Be sure the power plug and the connector are tightly twisted together to avoid water leaking in.***

Antenna

Power/ Pair button

7. Make sure the Power status light turns on. If it doesn't, try reconnecting the AC adapter, and make sure the power outlet isn't controlled by a wall switch.

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8.  You should now have video on your Live screen.

## SETTING UP YOUR SYSTEM

You can now set your cameras and system to your preferred settings.

### CAMERA SETTINGS

- Brightness  ("Uniden Guardian Settings Screen" on page 18)
- Motion Detection ("Uniden Guardian Settings Screen" on page 18)
- Schedule Recordings ("Schedule Record" on page 23)

### SYSTEM SETTINGS

- Power Saving ("Power Saving" on page 29)
- Screen Auto Lock ("Screen Auto Lock" on page 30)
- Time ("Time" on page 31)
- Security code ("Security Code" on page 25)
- Language (default language is English; "Changing the Language" on page 34)

### RECORDING SETTINGS

- Motion Detection ("Motion Detection" on page 22)
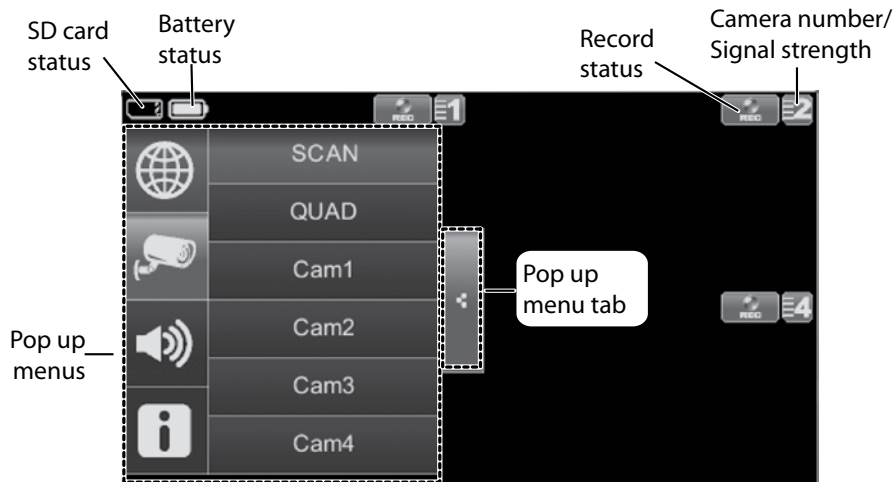- Schedule Recordings ("Schedule Record" on page 23)

# UNIDEN GUARDIAN SOFTWARE OPERATION OVERVIEW

Your receiver's Uniden Guardian software operates through a series of screens that let you choose groups of operations. For example, when you tap on the camera icon in the Pop-up menus, you can set how you want the main viewing screen - called the *Live* screen - to display images from the paired cameras. You can scan between cameras, show all cameras on a single screen (Quad view), or only display a specific camera.

The *Live* screen lets you view the camera transmissions. It also lets you set up your screen display and make adjustments to it. Icons on the screen itself let you monitor power and camera status.

*The Uniden Guardian system always defaults to the Live screen in Quad mode after being idle for 2 minutes while in any other system screen. This default ensures that the system is ready to record video even if you forget to return to the Live screen. The system can only start a recording while in Live screen mode.*

## LIVE SCREEN

## WHAT THE ICONS MEAN

| Icon | What it does |
|---|---|
| **CAMERA MODE** | Select how you want the Live screen to display camera input:<br>• Scan between cameras (5 seconds)<br>• Quad view (all paired cameras display)<br>• Full view (1 camera displays on full screen) |
| **VOLUME** | Adjust the volume level. |
| **UNIDEN GUARDIAN SYSTEM SETTINGS** | Access the Uniden Guardian Software Operation screens or view recorded events. |
| **SD CAPACITY** | Indicates memory capacity remaining. |
| **BATTERY CAPACITY** | Displays battery capacity. This graphic shows battery at nearly full. |
| **CAMERA NUMBER** | Displays the camera number and signal strength through the status lines to the left of the number. |
| **RECORD STATUS** | Tap to start or stop recording for that camera<br>• Steady on - Not recording<br>• Flashing - Recording |

| Icon | What it does |
|---|---|
| **INTERNET** | Connects your system to the Internet. |
| **MOTION** | System indicates motion detection recording in progress. |
| **SCHEDULED** | System indicates scheduled recording in progress. |
| **POP UP MENU TAB** | Opens and closes the pop up menu display. |
| **NO SD CARD INDICATOR** | Displays red when the SD card is not present or is damaged. |

## CHANGING HOW THE LIVE SCREEN DISPLAYS

The Live screen displays in 2 views - Quad View or Full View. Quad View divides the screen's image area into 4 quadrants and displays camera video in each quadrant. If less than 4 cameras are on, only those cameras' video will display on the Live screen.

Full view displays a single camera's video on the entire screen. If you are in Quad View, tap on the camera quadrant you want to expand to Full View. Tap on that image to return to Quad View.



## USING THE PENTAZOOM™ FEATURE

While in any camera's full screen view, selecting the + icon on the right side of the screen enables the PentaZoom feature.  PentaZoom lets you select from 5 sections of the video image. Tap on a section and it will digitally zoom to full screen. Tap  on the video to return to full screen mode or to go back to the PentaZoom screen, tap ⬚.

# USING YOUR SYSTEM

## RECORDING LIVE VIDEO

1. On the *Live* screen, tap ![REC] for the camera to begin recording.
2. Tap it again to stop recording.

   ***You can record from all cameras at the same time.***

## PLAYING BACK RECORDED VIDEO

From the pop-up menus, tap the following icons as they appear on the screens:

The Record List screen displays.



1. Tap on the highlighted day containing the recording you want to view or on a specific camera to only view that camera's recordings.  The *Record List* screen displays those recordings listed in a folder.

   ***If you tap on a day that is not highlighted, a folder displays with no recordings listed.***

2. Tap on the recording you want to view. It displays on the screen.
3. Tap on any area of the screen that does not have control icons to bring up the playback progress bar. Tap that area again to close it.
4. While playback progress is visible, you can fast forward/rewind by dragging the playback bar forwards or backwards.
5. When playback ends, tap ◄ to return to the *Record List*.

   ***You can press the double arrow to move to the next or previous video.***

## ADDING NEW CAMERAS

Your receiver supports a total of four active cameras at a time.  When you add a camera, you have to pair it to the receiver (that is, you have "introduce" the camera and receiver so they can communicate).

*SOME THINGS TO KNOW ABOUT PAIRING CAMERAS*

• If a camera is already assigned to the selected channel, the receiver overwrites that camera link with the new one.

• Only pair one camera at a time! The receiver links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the receiver will detect first.

*PAIR CAMERA*

1. From the *Pairing Camera* screen (see "Pairing" on page 20), tap the camera image you want to pair. A processing icon displays for a 60 second countdown.
2. During the 60 second countdown, quickly press and release the Pairing button on that camera's power cord (see "Pairing" on page 20).
3. The system automatically adjusts the *Camera On* screen accordingly.
4. If you have any trouble, consult the the table on page 17.

*TROUBLESHOOTING CAMERA PAIRING*

Consult the following table for camera pairing troubleshooting suggestions:

| If... | Try... |
|---|---|
| the camera's signal status icon shows no bars | • making sure the camera is plugged in and the red LED is on.<br>• making sure that the camera's antenna is attached and the receiver's antenna is extended.<br>• making sure the camera is paired to the correct channel.<br>• re-pairing the camera and receiver. |
| the camera's signal status icon shows one or two bars or the video quality is poor | See "General Guidelines" on page 7 for tips on improving video quality. |
| the camera won't pair with the receiver | • making sure the camera is plugged in and the red LED is on.<br>• pressing and releasing the pairing button quickly. Do not press and hold the pairing button. |

# UNIDEN GUARDIAN SCREEN DESCRIPTIONS

## OVERVIEW

This section describes the Uniden Guardian screens in detail. It provides a path to the screen being viewed.

## UNIDEN GUARDIAN SETTINGS SCREEN

From the pop-up menu, tap the following icons as they appear on the screens:

This screen should display:



*The Uniden Guardian Settings screen highlights the Camera Setup option as the default.*

| Main Screen | Sub Screens | What it Does |
|---|---|---|
| Camera Setup | Pairing | Pairs new cameras to the receiver. |
| | Camera on | Makes the cameras visible to the monitor. |
| | Brightness | Brightens or darkens the video of that camera. |
| Recorder Setup | Motion Detection | Records when something moves in front of the camera. Continues recording for 2 minutes. Motion detection is on by default. |
| | Schedule Record | Set up a schedule for pre-determined recording times and lengths. |

| Main Screen | Sub Screens | What it Does |
|---|---|---|
| *Network Setup* | *Internet Setup* | Select the type of internet connection to be used. (DHCP is most common.) |
| | *Security Code* | Set a security code for remote access. |
| | *Network Information* | Displays information about your network and the receiver's unique UID number. |
| *Alarm Setup* | *Period* | Set a length of time for the alarm to sound. |
| | *Melody* | Select a melody to play for the alarm. |
| *System Setup* | *Power Saving* | Temporarily turns off the LCD after the system is idle for 2 minutes to conserve power. |
| | *Screen Auto Lock* | Locks the screen from further activity until the screen is unlocked. |
| | *Time* | • Clock Alarm. Set an alarm.<br>• Time Setting.  Set the current time.<br>• Timer.  Time countdown. |
| | *Format Storage* | Formats/erases all the data on the SD card. |
| | *System Upgrade* | Upgrades the receiver firmware. |
| | *Language* | Changes default language setting for the receiver (English, French or Spanish). |
| *Quick Tips* | NA | Provides a list of 10 common questions. |

# CAMERA SETUP SCREEN

## PAIRING

Your cameras are paired to the receiver at the factory to ch[...]
camera to your system, you have to pair it to the receiver ([...]
and receiver so they can communicate).

*SOME THINGS TO KNOW ABOUT PAIRING CAMERAS:*

- If a camera is already assigned to the selected channel, the receiver overwrites that camera link with the new one.

- Only pair one camera at a time! The receiver links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the receiver will detect first.

From the pop-up menus, tap the following icons as they appear on the screens:
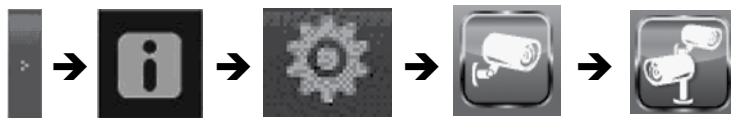
This screen should display:

1. Tap the camera image you want to pair. A processing icon displays for a 60 second countdown.
2. Press and release the Pairing button on that camera's power cord. The 60 second countdown will end when the pairing process is complete.
3. The system will automatically adjust the *Camera On* screen.

   **Use this procedure to move a camera from one channel to a different channel.**

## CAMERA ON

When you add a camera to your system, pair up the camera with the receiver and the system will automatically turn it on. An X indicates a camera that is turned off; a check mark indicates the camera is turned on.

From the pop-up menu, tap the following icons as they appear on the screens:
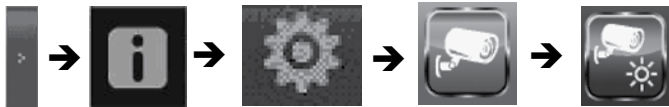
This screen should display:



1. Tap the camera you want to turn on.
2. A check mark replaces the X under the camera.
3. To turn a camera off, tap the camera icon. An X replaces the checkmark and indicates the camera is turned off.

   *Although the camera is turned off, it is still powered. The receiver will not receive video signals from that camera.*

*BRIGHTNESS*

From the pop-up menu, tap the following icons as they appear on the screens:

This screen should display:

Tap the camera whose brightness level you want to change.  The default brightness is 0, and the range is from -2 through 2.

**RECORDER SETUP SCREEN**

Use the *Recorder Setup* screen to select between *Motion Detection* and *Schedule Record*.
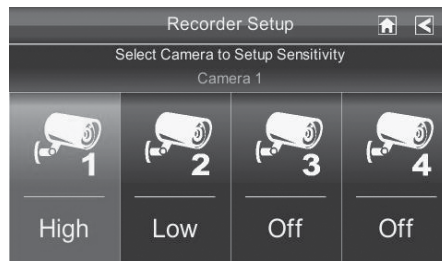
Select Motion Detection.

See "Motion Detection" on page 22 below.

*MOTION DETECTION*

From the pop-up menus, tap the following icons as they appear on the screens:

This screen should display:

1. Each camera's motion detection sensitivity can be set independently. You can set the motion detection level to Off, Low, or High. Tap on the camera to cycle through these choices.

2. Tap ◄ to return to the main *Motion Detection* screen.

   **The Motion Detection default setting is to Low.  The system records for 2 minutes when motion is detected.**

*SCHEDULE RECORD*

You can schedule up to 5 recording sessions. You are limited to the size of the SD card for how long a total recording time you have. These recording sessions must begin and end within a single 24-hour period. They cannot cross into the next day.

From the pop-up menus, tap the following icons as they appear on the screens:

This screen should display:



1. Tap the camera number you want to record (1 - 4). You can select up to all 4 cameras to record.

2. Set the recording start time. Tap the hour and number boxes separately and use the **UP** and **DOWN** arrows to scroll through the times.

3. Tap the **AM/PM** block to toggle between them.

4. Tap on the blank Date box.  The *Recorder Setup* calendar screen displays.

5. Tap on the date you want the recording. The previous screen displays.

6. Set up the recording and then tap **SAVE**. You can select another recording session to schedule, return the previous screen, or return to the *Live* screen.

   ***Scheduled recordings are broken up into 15 minute file sizes. For example, if you record a 50 minute event, you will have three 15-minute recordings plus one 5-minute recording.***

*CLEAR A SCHEDULED RECORDING*

1. Access the *Schedule Record* screen.
2. Tap recording you want to clear (1-5). The screen displays the settings for that schedule.
3. Tap **CLEAR**.  The screen resets to the default values for that recording slot.

## NETWORK SETUP SCREEN

The *Network Setup* screen allows you to select your internet connection type and security code. You can also display system default configuration.

From the pop-up menu, tap the following icons as they appear on the screens:
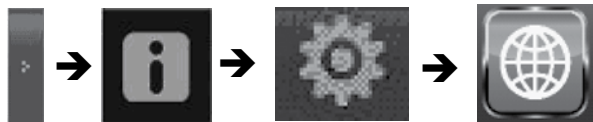


This screen should display:

*INTERNET SETUP*

1. Tap Internet Setup icon to display the *Internet Setup* screen.

2. Tap on your selection and fill in the fields requested. Tap **OK**.

| Selection | Fields |
|-----------|--------|
| Static IP | • IP Address<br>• Subnet Mask<br>• Default Gateway<br>• DNS Server |
| DHCP | None |

3. Tap **OK** at the system reboot prompt. The *Network Setup* screen displays.

   ***DCHP is the most common connection. Your router will automatically assign an IP address to your Uniden Guardian system.  Static IP is for those that have the ability to specify an IP address for the Uniden Guardian system.***

*SECURITY CODE*

Set up your security code to limit who can have access to the system from a remote location.

1. Tap Security Code icon to display the *Security Code* screen.
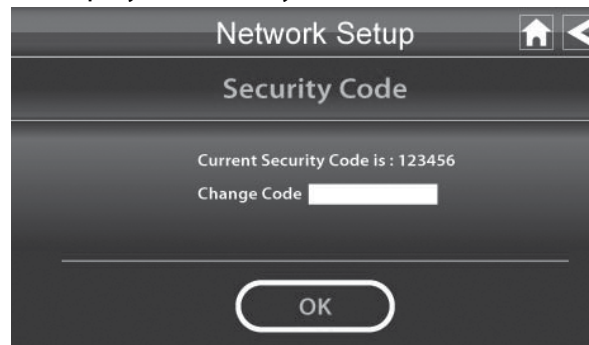
2. If you have not entered a security code, you can enter it here. If you have previously entered a security code, your current security code displays.

   ***The default security code is set to 123456. We recommend that you change this code to something you will remember. You will need the code to access your video from a remote device such as a smart phone or PC.***

3. Tap on the Change Code field. A keyboard screen displays.



4. Enter your security code. You can switch the keyboard from alphabetical characters to numbers/symbols and back by tapping the field to the left of the space bar. Tap Return. The *Security Code* screen displays again.
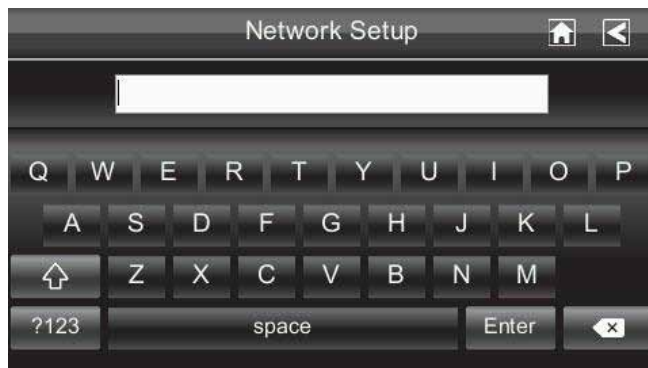
   ***You must enter a security code to monitor your video from a PC or other device.***

5. Tap **OK** on the system reboot prompt. The *Network Setup* screen displays.

6. Turn your Uniden Guardian monitor off then back on for the security code change to take effect.

## *NETWORK INFORMATION SCREEN*

1. Tap the Network Information icon to display the *Network Information* screen.
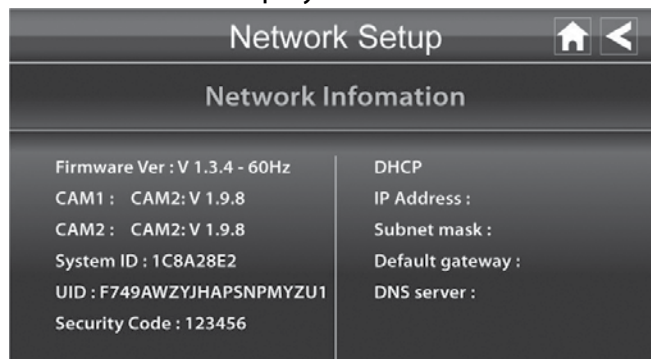


2. Tap the ◄ arrow to return to the previous screen.

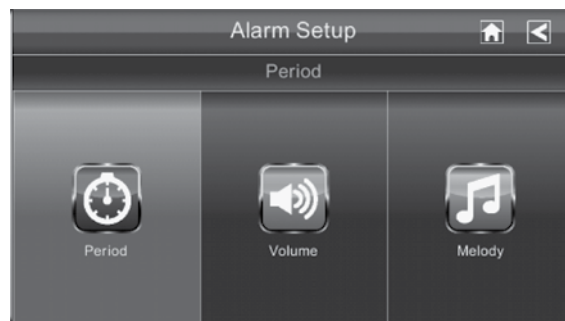The UID is a unique code specific to your monitor and is required (along with the security code) to gain remote access to your cameras over the internet. The information in the DHCP setting is assigned to your monitor from your home router.

## **ALARM SETUP SCREEN**

From the *Alarm Setup* screen, you can:

- Set the length of time the alarm sounds.
- Select a melody for the alarm.

*PERIOD SCREEN*

This selection allows you to select the length of time the alarm will sound for the alarm clock.

1.  Tap Period. The *Change Siren Duration* screen displays.
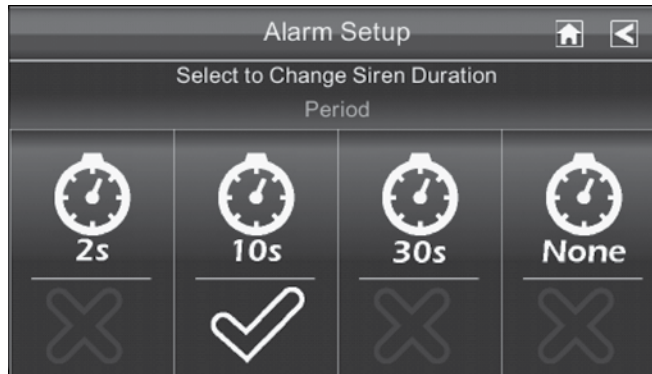


2.  Tap the duration you want the siren to last (2, 10, or 30 seconds) or tap None to turn sirens off.
3.  Tap ◄ to return to the previous screen.

*MELODY*

This selection allows you to select a melody for the siren.

1.  Tap Melody. The *Change Siren Melody* screen displays.
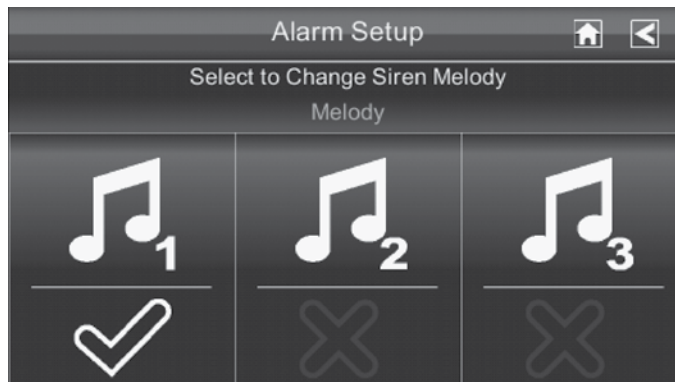
2. A check mark appears on the melody you tap and the receiver briefly plays a sample of the selected melody.
3. Tap the BACK arrow to return to the previous screen.

## SYSTEM SETUP SCREEN
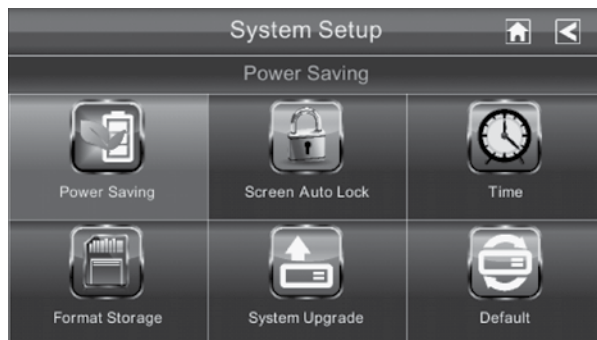


*POWER SAVING*

When you turn on Power Saving mode, the monitor goes into sleep mode (LCD turns off) after it is idle for 2 minutes. Press the **POWER** button once to reactivate the monitor.  (Default = Disable).

***If a motion detection event or scheduled recording begins, the LCD turns back on.***

1. Tap Power Saving icon, then Enable to activate Power Saving mode (Default = Disable).

2. A check mark appears on your selection.
3. Tap ◄ to return to the previous screen.

*SCREEN AUTO LOCK*

When you turn on Auto Lock mode, the monitor will automatically enter screen lock mode after it has been idle for 2 minutes. Auto Lock disables the touchscreen and removes the icons from the display.

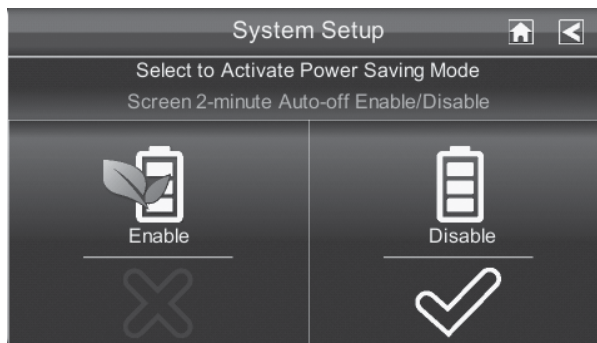When the auto-lock feature has been enabled and your Live screen is locked, just tap the **POWER** button once to unlock the screen and return to normal touch screen operation. At any time from the Live screen, you can manually lock the system by tapping the **POWER** button, whether or not the auto-lock feature has been enabled.

1. Tap Screen Auto Lock. The *Activate Touch Screen Operation Auto-lock* screen displays.
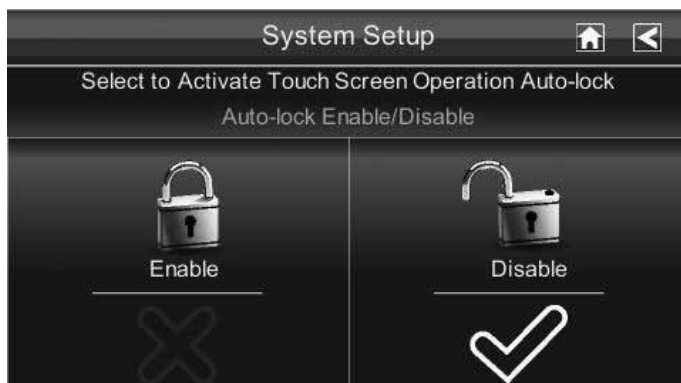


2. Tap your selection; a check mark displays.
3. Tap the **BACK** arrow to return to the previous screen.

*TIME*

The *Time* screen lets you set up clock alarms, set the system time, and set a timer.

From the pop-up menu, tap the following icons as they appear on the screens:

The following screen displays:



*CLOCK ALARM*

This feature operates as an independent alarm clock. It does not affect the operation of live video or recording video.

1. Tap ⏰ to display the *Clock Alarm* screen.
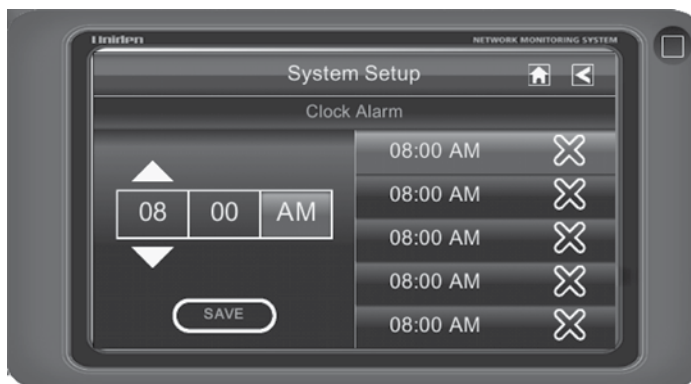


2. Tap on an alarm button (total of 5 to select from).
3. Tap on the hour block. The **UP/DOWN** arrows move to the hour block. Set the hour.

4. Tap on the minute block. The **UP/DOWN** arrows move to the minute block. Set the minute.
5. Tap on **AM/PM** to toggle between the two.
6. Tap **SAVE** when you are finished.

*TIME SETTING*

This screen contains fields to set the Month, Day, Year, Hour, Minute, and AM/PM.

1. Tap 🕐 to display the *Time Setting* screen.

| System Setup |
| --- |
| Time Setting |

| MONTH | DAY | YEAR | HOUR | MINUTE | AM/PM |
| --- | --- | --- | --- | --- | --- |
| 08 | 05 | 2011 | 04 | 14 | PM |

SAVE   CANCEL

2. Tap on each field to set it. The **UP/DOWN** arrows shift to that field. Use **UP/DOWN** to set the field.
3. Tap on the AM/PM block to switch between the two.
4. Tap **SAVE** when you are finished.

   **It is important to set the correct time to ensure that the recorded video files and the scheduled record times are correct.**

*TIMER*

This feature operates as an independent timer. It does not affect the operation of live video or recording video.

1. Tap  to display the *Timer* screen.



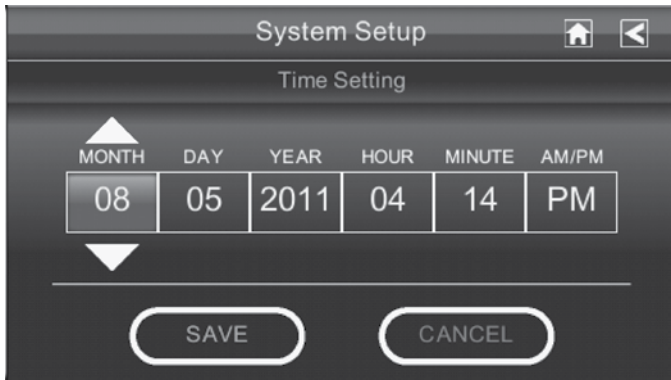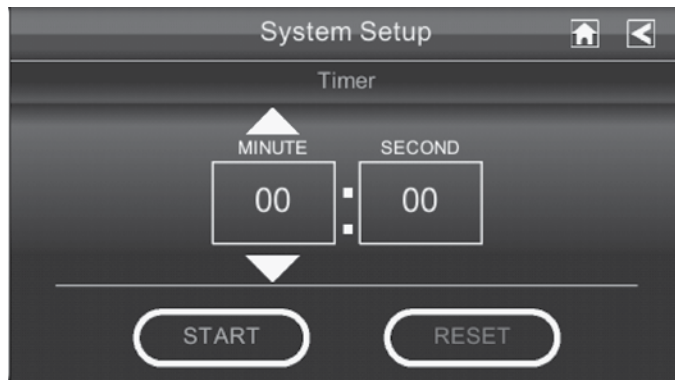2. Tap on each field to set it. The **UP/DOWN** arrows shift to that field. Use **UP/DOWN** to set the field.
3. Tap **START** to begin the timer. When the timer reaches *00:00*, an alarm beeps until you tap **OK**.

*FORMAT STORAGE*

When using an SD card other than the one provided, it is highly recommended that you format the card using these procedures. Formatting any SD card deletes all files on that card.

From the pop-up menu, tap the following icons as they appear on the screens:
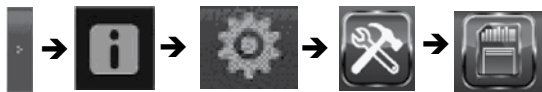
The Format Storage screen displays:
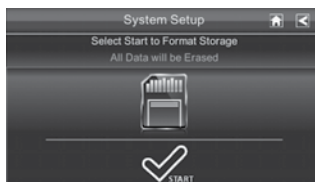




**The Uniden Guardian System supports up to a 32 GB SD Card.**

1. Tap on **START**; a warning statement displays.
2. Tap **OK** to proceed to format storage or tap **CANCEL** to discontinue and return to the previous screen.
3. The system indicates success or failure.

## SYSTEM UPGRADE

To upgrade the Uniden Guardian firmware, you will need to download the file from the Uniden Video portal site (www.unidenvideo.com) or from the Uniden website (www.uniden.com) to your computer. This file must then be transferred to the root directory of the SD card used in your Uniden Guardian system.

From the pop-up menu, tap the following icons as they appear on the screens:
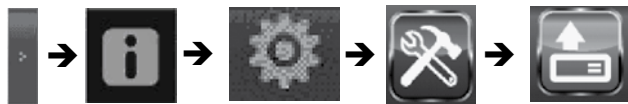
This screen should display:



## LANGUAGE

*CHANGING THE LANGUAGE*

English is the default language. When you change languages, all system settings default to the original factory settings. You will have to reenter any specialized settings.

From the pop up menus, tap the following icons as they appear on the screens:

This screen should display:
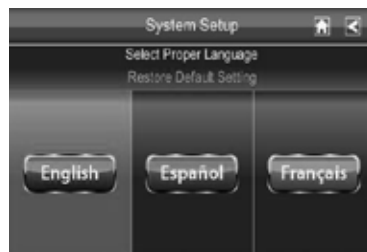


1. Select a language to change to that language. The *Restore Default Settings* screen displays.
2. Tap **OK** to continue with the language reset. The system will reboot in about 5 seconds. If you do not want to reset the language, tap **CANCEL** and return to the previous screen.

   Changing the language will reboot the system and ask you to recalibrate the touch screen. Follow the instructions on the screen.

## QUICK TIPS

The *Quick Tips* screen provides more detail into 10 common areas. Tap on a subject to display the information.
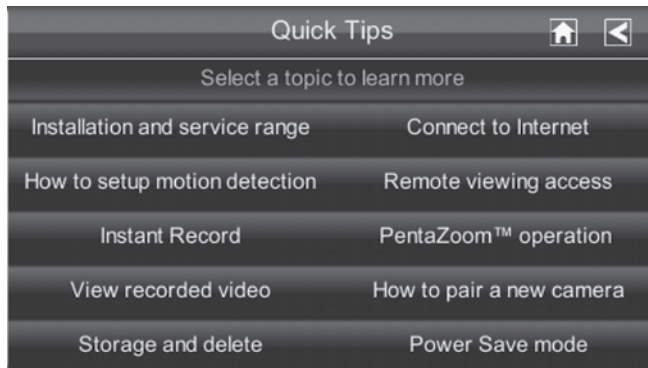
# REMOTE ACCESS

## OVERVIEW

Uniden Guardian lets you view live video from your Windows® PC, an iPhone®, iPad®, or Android™ smartphone or tablet. Free apps are available through the iTunes® App Store or the Android Market.

This system uses P2P remote access technology and does not require configuring your router, port forwarding or a remote DDNS service.

You must set up a free portal account to remotely view your system. Multiple users can access live video at the same time as long as they have the User ID (UID) code and security code.

*The number of remote viewers is determined by the amount of "available upload bandwidth" on your home network. Each remote viewer requires ~350kbps of bandwidth on the network.*

### SYSTEM REQUIREMENTS

- Microsoft® Windows XP, Vista, or Windows 7
- Internet Explorer® 8 or greater.
- iPhone® or
- iPad® or
- Android™ smartphone or tablet

### CONNECTING TO THE INTERNET

The Uniden Guardian cradle charges your monitor as well as provides an internet connection. When you are connected to the internet, live video will not display on the monitor.

*For this procedure, the AC adapter must be connected to the cradle and not to the monitor. Reconnect the AC adapter if necessary.*

1. Connect one end of the Ethernet cable into the back of the cradle.

2. Connect the other end into your primary router (typically, the router from your service provider).
3. Place cradle maximum distance away from your router.
4. Insert the monitor into the cradle. A screen asks if you want to connect to the internet or to only charge the monitor.
5. Tap *Connect*. The *Live* screen goes blank. You can now view live video through your Portal account.

**CONNECTING TO THE INTRANET (HOME NETWORK)**

When the monitor is placed in the cradle and "charge only" is selected, you can still access your live video from a PC or smart phone as long as those devices are also connected to the same network as the monitor. For example your smart phone is connected to your home network via WiFi. In this case, live video will still be displayed on the monitor as well as on the smart phone.

# SETTING UP A PORTAL ACCOUNT

You need a Uniden portal account to gain remote access to your Uniden Guardian system live video.
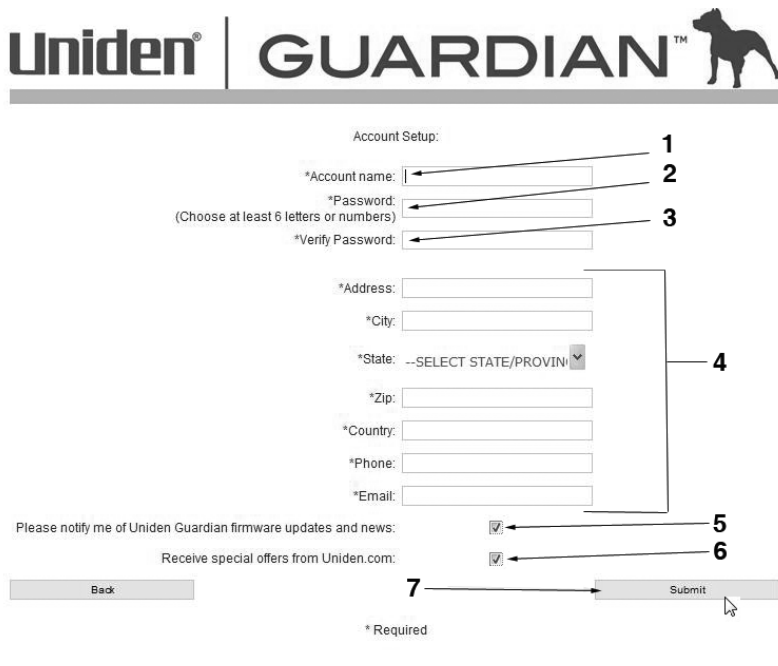
***Be sure you have set up your security code. By default, the security code is 123456. We highly recommend you change this on the monitor. You will need them for setting up a portal account.***

1. Go to http://www.unidenvideo.com.
2. Click *Add New Subscription*. *Legal Agreement* displays.
3. Read and agree to the Legal Agreement.



**Uniden | GUARDIAN**

Remote Features Include:

- View live video from your active cameras with a remote PC
- View live video on your iPhone or Android smart phone
- Realtime video recording to your remote PC
- Realtime snapshot capture to your remote PC, iPhone or Android smartphone

Add New Subscription
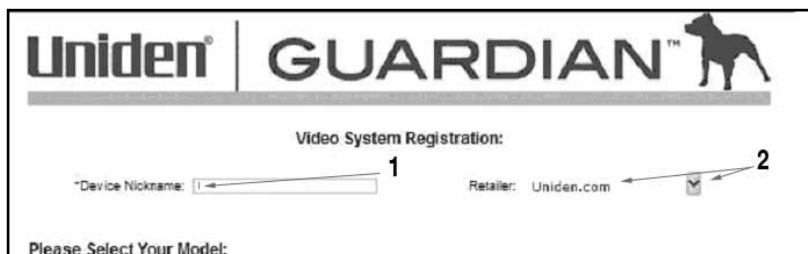
The *Account Setup* screen displays

4. Enter *Account Name* (1).
5. Enter a *Password* (2).
6. Enter it again to *Verify Password* (3).
7. Complete all required fields (4).
8. Click in the check box (5) to receive information on firmware updates and news. We recommend you check this box to receive updates.
9. Click in the check box (6) to receive information on special offers from Uniden.
10. Click *Submit* (7). The *New Account Created* screen displays.
11. Click *Continue*. The Video System Registration screen appears.
12. Provide a *Device Nickname* (1).
13. Select your retailer from the list (2).

## ENTER THE UID CODE

After selecting your Uniden Guardian system, you must enter the User ID (UID) code.  This UID code can be found on the back of your handheld monitor behind the kickstand.  It is the characters underneath the barcode.

You also can find the UID code on the Network Information screen.

1. Click the radio button by your system (3)
2. Enter the *UID* code in all capital letters (4).
3. Click *Continue* (5) .

Once your account setup is complete, select the *View Now* link.

In order to view live video from your PC, you must download and install the OCX plug in.  Click on the link near the bottom of the page and it will ask you to *Run* or *Save* the file.  If you choose to *Save*, remember where the download location on your computer.  After the download is complete, find that file and click on it to install.  After the installation is complete, return to the View Now page on the Portal. On this page, you will see the UID code from your device that you entered during account setup. There is also a space to enter a Security Code.  It must match your monitor security code that you previously set up.

## ENTER SECURITY CODE

By default, the Security Code is set to 123456; we recommend that you change it.

1. Enter your own unique security code.
2. Click **START**.

***The security code you enter on the Uniden Video Portal and the Apps***

*must match the security code you entered on the device.  Anytime you change the security code on the device, you must make the corresponding change on the Portal or Apps.*

### RECORD VIDEO

The Portal lets you record live video and save it to your PC.

1. Click *Record* to start recording.
2. Click *Stop Record* to stop recording.

### TAKE A SNAPSHOT

The Portal lets you take snapshots of video and save to your PC.

Click *Snapshot*.

*You specify the save location for all video and snapshots.  Select Save and then browse to the location where you want to save them.*

## DOWNLOADING APPS

### ANDROID™

You can use a Google® Android™ smart phone or tablet with your Uniden Guardian System to remotely connect to and view live camera video. Follow these steps to download, add, and use the app.

1. From your Android™ smart phone or tablet device search the Android Market for *Uniden Guardian*.
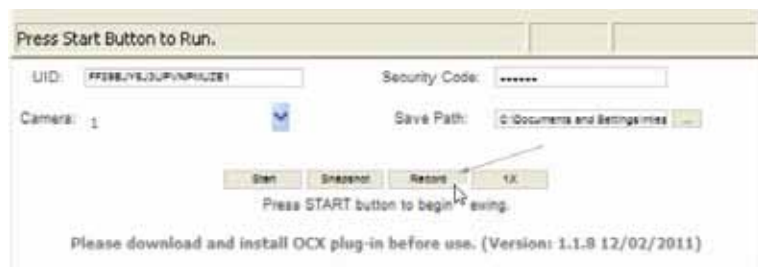
2. Download and install this app to your device.

3. Launch the app; select *Add* to add your system information to the app.

4. Enter a name for your system in the *System Name* field.

5. Enter the same UID code from your Uniden Guardian monitor in the *Device UID* field.

6. Enter the same security code that you set on your Uniden Guardian monitor in the *Security Code* field.

7. Select *Save*.

8. Select the system you wish to view.

## VIEW VIDEO

1. Select a camera.

2. Tap *Start* to view video.

3. View video.

4. Tap *Stop* to stop the video.

You can tap the video window while viewing to enlarge it and go to horizontal view.
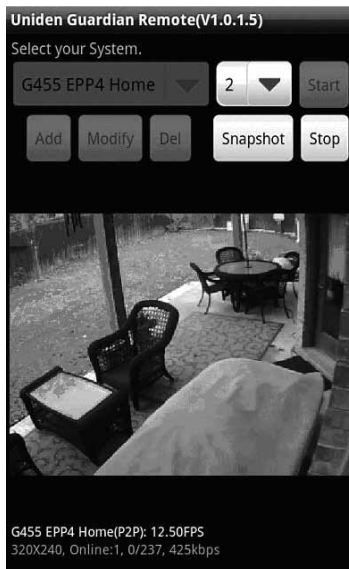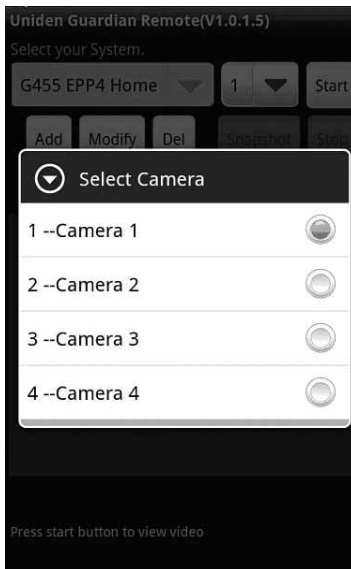
You can select another camera to view from the menu.

Select *Snapshot* to take a still camera picture of your video and store it on your Android™ smart phone or tablet.

## IPHONE®

In a similar fashion to the Android smart phone, you can use the Apple® iPhone® smart phone or iPad® tablet with your Uniden Guardian System to remotely connect to and view camera videos. Follow these steps to download the Uniden Guardian iPhone® App and set it up to work with your Uniden Guardian system.
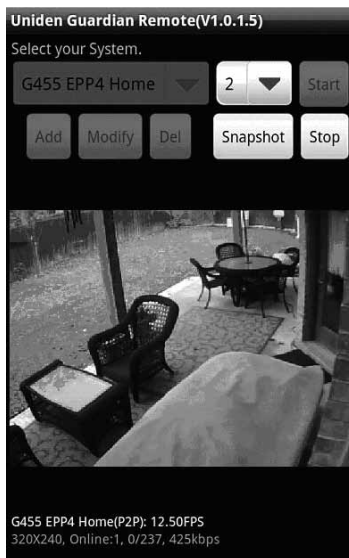
1. From your iPhone® or iPad®, go to the iTunes® App Store and search for *Uniden Guardian*.

2. Download and install this App to your device.

3. Launch the app; select *Settings* then **ADD** to add your system information to the App.

4. Enter a name for your system in the *System Name* field.

5. Enter the same UID code from your Uniden Guardian monitor in the *Device UID* field.

6. Enter the same security code that you set on your Uniden Guardian monitor in the *Security Code* field.

7. Tap *Save*.

***When you tap*** Save***, the video streams automatically with Camera 1 selected by default.***
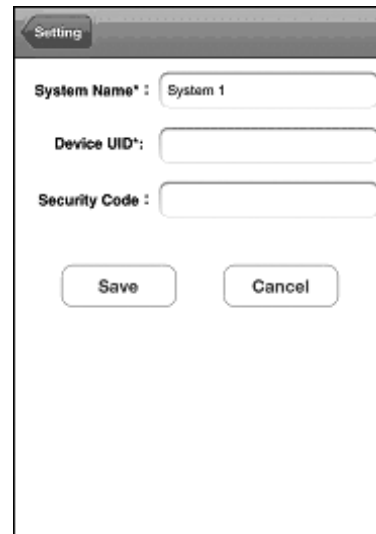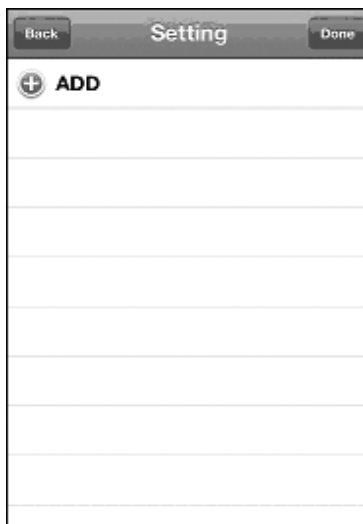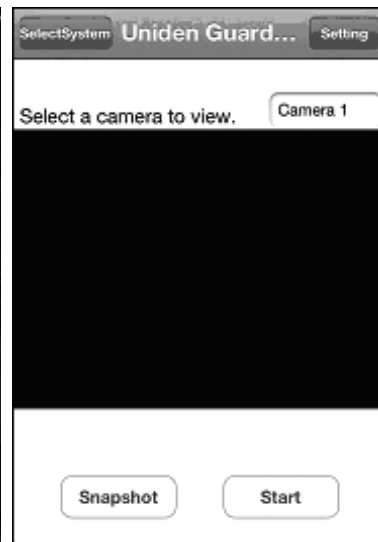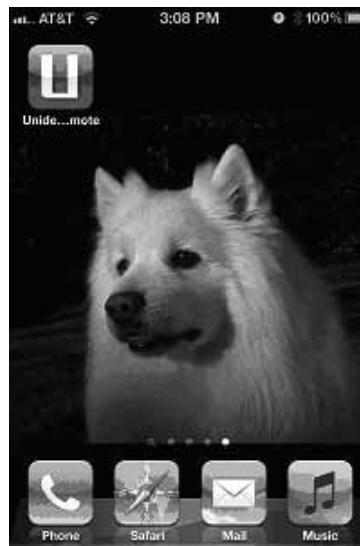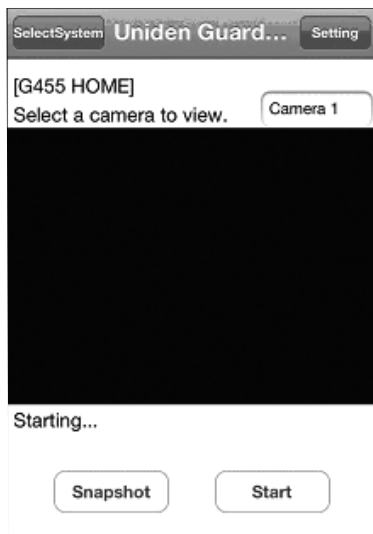
You can tap to enlarge a video while viewing it and go to horizontal view.

Select *Snapshot* to take a still camera picture of your video and store it on your iPhone® or iPad®

You can select another camera to view from the menu.

# MAINTAINING YOUR SYSTEM

## UPGRADING YOUR UNIDEN GUARDIAN FIRMWARE

Check your system firmware version on the *Network Information* screen.

Go to www.unidenvideo.com to check the current firmware level. Compare it to your system firmware level. If you need to update your Uniden Guardian firmware, download the most current firmware version to your system's SD card and then upload that firmware to the receiver.

1. Eject the SD card from the receiver.
2. Insert the SD card into your PC.
3. Go to www.unidenvideo.com.
4. Copy the current firmware to the SD card.
5. Remove the SD card and reinsert it into the receiver.
6. Upgrade the firmware (see "System Upgrade" on page 34).

## TAKING CARE OF YOUR HARDWARE

### RECEIVER

As you use your monitor keep the screen clean by wiping it with a microfiber cloth to remove fingerprints, dust, etc.

### CAMERAS

When dust and grime builds up on the camera lens and glass, it affects night vision capability. The infrared light reflects off of the dust and grime, limiting the camera's "vision." Use a microfiber cloth to regularly clean the cameras or when night vision video is cloudy or unclear.

# SOLVING PROBLEMS

If you have any trouble with your system, try these simple steps. If you are still having a problem with your camera, check the manual that came with your camera. If you still have a question, call our Customer Care Line; see "Customer Care" on page 2.

| If… | Try.. |
|---|---|
| The motion sensor won't respond to movement. | • Increasing the sensitivity of the motion sensor (see page 20).<br>• Checking the settings on the *Record* screen (see page 18). |
| The motion sensor goes off when there's nothing there. | • Decreasing the sensitivity of the motion sensor (see page 20).<br>• Refer to "Placement Considerations" on page 8. |
| I can't play my video clips in another program | • The video files play with a Quicktime® player. Download this free player from www.apple.com.<br>• Video will play in players such as Windows Media® Player if an H.264 CODEC plug-in is installed. |
| I schedule a recording, save the schedule, and the recording does not happen at the scheduled time. | • Ensure that the system time is set to the current time.<br>• Make sure that the SD card is inserted into the receiver and there is still memory available on that card. |
| The camera's signal status icon shows no bars | • making sure the camera is plugged in and the red LED is on.<br>• making sure the camera is paired to the correct channel<br>• re-pairing the camera and receiver<br>• moving the camera closer to the monitor; it might be out of range.<br>• make sure the camera setting is turned on in Camera Setup (see "Camera On" on page 21). |
| The camera's signal status icon shows one or two bars or the video quality is poor | See "General Guidelines" on page 7 for tips on improving video quality. |

| If… | Try.. |
|------|-------|
| The camera won't pair with the receiver | • making sure the camera is plugged in and the red LED is on.<br>• pressing and releasing the pairing button quickly. Do not press and hold the pairing button. |
| When I power up my receiver and cameras for the first time, they seem to be on but there is no picture on the screen | • If the Power Saving feature has been turned on, the monitor's LCD screen will power off. Tap the power button to turn the LCD back on. |
| I have my regular *Live* screen but there are no icons. | • tapping the Power button on top of the receiver. Screen lock may be on and tapping the Power button will unlock the screen. |

# ADDITIONAL INFORMATION

## PRODUCT SPECIFICATIONS

| Radio Frequency Transceiver | |
|---|---|
| RF Frequency | 2.4 GHz |
| Modulation | GFSK |
| Spread spectrum | Frequency Hopping |
| Anti Interference | Clean Channel Dynamic Select |
| Selectable camera channel | 4 |
| Data rate | 2 Mbps |
| Transmitting range | 500 feet (152 meters) in an open area (line of sight) |

| Image Specification | |
|---|---|
| Output Image resolution | 480 X 272, 320 x 240 (QVGA) |
| Image processing | H.264 |
| Exposure | Auto |
| White balance | Auto |

| System Specifications | Camera | Receiver |
|---|---|---|
| Weight | 13 oz (370 g) | 1lb 1 oz (468 g) |
| Dimension | 5.94 x 2.9 x 1.9" (151 x 74 x 49 mm) | 7.2 x 5 x 1.1" (184 x 128 x 28 mm) |
| Operating temperature | +14° F (-10° C) to 122° F (+50° C) | |
| Battery charging temp. | | 0° C (32° F) to +45° C (113° F) |
| Input voltage | 100-240 V AC @ 60 or 50 Hz | |

| System Specifications | Camera | Receiver |
|---|---|---|
| Operating voltage | 5 V DC @ 1 Amp | |
| Power consumption | 650 mA max | |
| Low light solution | 20 IR LEDs, 1 Low light sensor | |
| Low light sensitivity | 1-8 lux | |
| Picture sensor | OV7725 1/4' Color CMOS | |
| Lens | F3.6mm H:55 V:44 | |

## Lithium-Polymer Battery Warning

- This equipment contains a rechargeable lithium-polymer battery.

- Do not charge the battery in temperatures below 32° F (0° C) or higher than 113° F (45° C).

- Do not open or mutilate the battery.

- The rechargeable batteries contained in this equipment may explode if disposed of in a fire.

- Do not short-circuit the battery.

- Do not charge the rechargeable battery pack used in this equipment with any charger other than the one designed to charge this battery pack as specified in the owner's manual. Using another charger may damage the battery pack or cause the battery pack to explode.

### *CAUTION! Rechargeable Batteries Must Be Recycled or Disposed of Properly.*

## Recycling and Disposal Information
- Do not dispose of electronic devices or any of their components (especially batteries and LCD displays) in your municipal trash collection.
- Consult your local waste management authority or a recycling organization like **Earth911.com** to find an electronics recycling facility in your area.

- If you are unable to locate proper recycling facilities in your area, please return this product to Uniden for recycling.

# FCC Compliance Information

### Part 15 Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subjected 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.

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules and ETSI (EN) 300328. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Move the equipment away from the receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

  **CAUTION! Any changes or modifications to this equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment.**

### RF Exposure Information

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.9") from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

# IC Compliance Information

### Radio Equipment Notice

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met. 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. "Privacy of communications may not be ensured when using this device".

# CE Compliance Information

Products with CE Marking comply with EMC Directive (2004/108/EC); Low Voltage Directive (73/23/EEC); R&TTE(1999/5/EC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EMC: EN 301 489
- LVD: EN 60950
- Radio: EN 300 328

# One-year Limited Warranty

**Important: Evidence of original purchase is required for warranty service.**

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 & craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate & 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 owner's manual 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 either, at its option, repair or replace the defective unit & return it to you without charge for parts, service, or any other cost (except shipping & handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE & ENTIRE WARRANTY PERTAINING TO THE PRODUCT & IS IN LIEU OF & 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 may not apply to you.

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

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). Disconnect the battery from the Product & separately secure the battery in its own separate packaging within the shipping carton. The Product should include all parts & accessories originally packaged with the Product. Include evidence of original purchase & a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Service
4700 Amon Carter Blvd. Fort Worth, TX 76155

(800) 808-8058 during regular business hours (CST)
(See www.uniden.com for current hours of operation.)

# Uniden®