

Uniden®

BW34xx Series 4.3" LCD Portable Wireless Baby Monitoring System

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Australia: www.uniden.com.au*

OWNER'S MANUAL

IMPORTANT SAFETY INSTRUCTIONS

This manual contains important information about this product's operation. If you are installing this product for others, you must leave this manual or a copy with the end user. When using your equipment, always follow basic safety precautions to reduce the risk of fire, electric shock and injury to persons, including the following:

- This equipment is **NOT** waterproof. DO NOT expose it to rain or moisture.
- DO NOT immerse any part of the product in water. Do not use this product near water, e.g., near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- To avoid any risk of electric shock from lightning, avoid handling any electronic devices (except battery powered ones) during an electrical storm.
- Use only the power cord and/or batteries indicated in this manual. Never dispose of any batteries in a fire: they may explode. Check with local codes for possible special disposal instructions.
- Never tug or pull on any power cord: be sure to leave some slack in the cord when placing your equipment, and always use the plug to unplug cord from the wall outlet.
- Never leave power cords where they can become crushed, cut, or frayed; when running power cords, avoid letting them rub against any sharp edges or lie across any high traffic areas where people might trip over them.
- Do not use the device if the adaptor cords or plugs have been damaged, the unit has been exposed to liquids, or the unit has been dropped or is damaged.

Warnings to Parents and Other Users

Failure to follow these warnings and the assembly instructions could result in serious injury or death. This product is not designed or intended for use as a medical monitor, nor should this product be used as a substitution for medical or parental supervision. Always be sure that both the transmitter and monitor are working properly and are within range of each other.

- **STRANGULATION HAZARD.** Keep the adaptor cords out of the reach of children.
- **WARNING: KEEP OUT OF THE REACH OF CHILDREN.** Allow for proper ventilation when units are in use. Do not cover the camera or monitor with any object such as a blanket. Do not place it in a drawer or in any location which would muffle the sound or interfere with the normal flow of air.

SAVE THESE INSTRUCTIONS!

For best results:

To avoid damage to your equipment, follow these simple precautions:

- Do not drop, puncture or disassemble any part of the equipment. There are no user-serviceable parts inside.
- Do not expose the equipment to high temperatures, and avoid leaving the equipment in direct sunlight for more than a few minutes. Heat can damage the case or electrical parts.
- Do not place heavy items on top of the equipment or expose the equipment to heavy pressure.
- Remove the power adaptor during long periods between usages.
- Clean only with a dry cloth.

Failure to follow the instructions in this operating manual will void the warranty. Uniden assumes no liability for damages to property or injury to persons caused by improper handling or failure to comply with these safety instructions.

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GETTING STARTED

What's in the Box?



4.3" Monitor with Cradle



Camera

Not pictured:

2x AC Adaptors

1x Ethernet Cable

1x SD Card

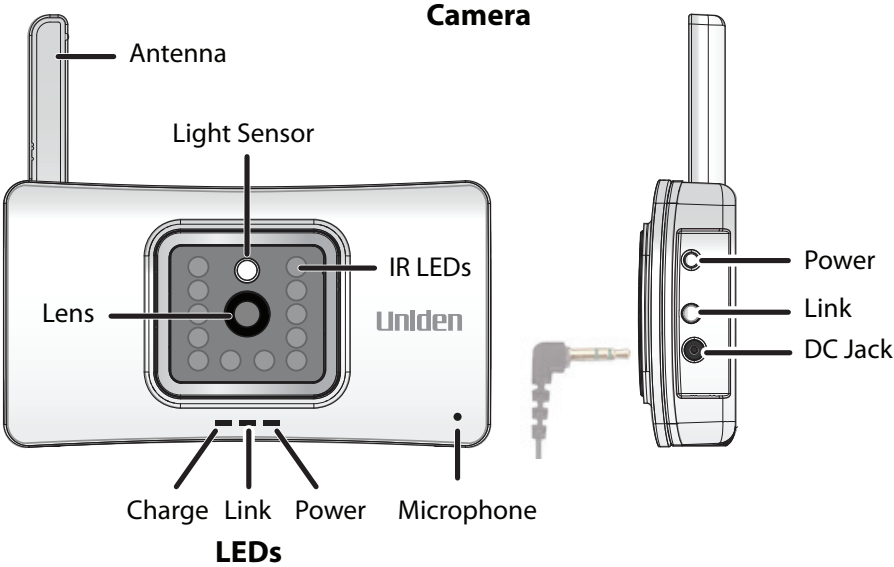
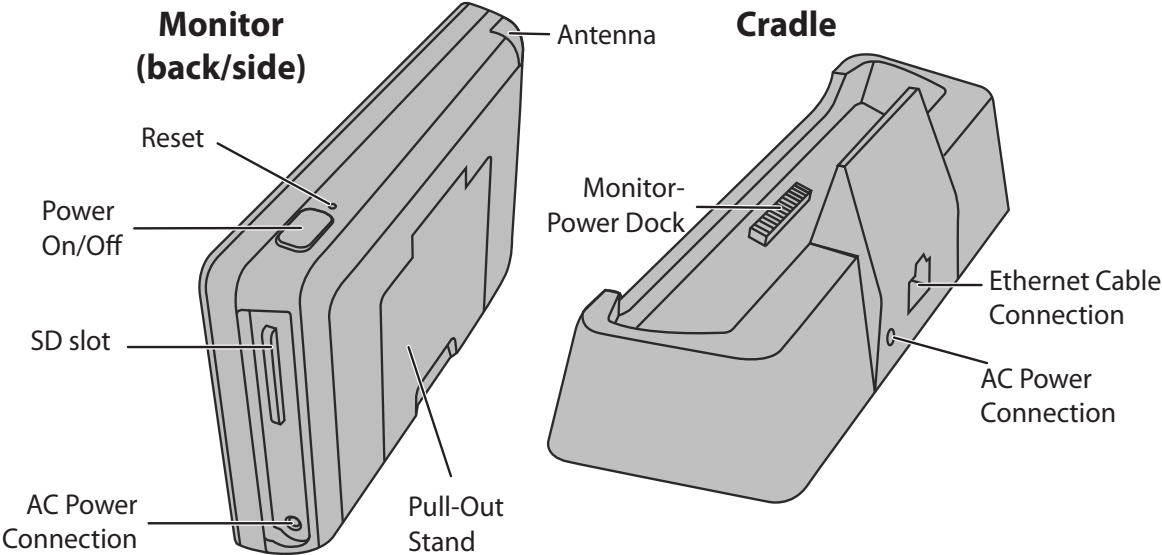
Owner's Manual

***Need Help? Get answers at our website:
www.uniden.com.au for Australian model***

If any item is missing or damaged, contact your place of purchase immediately.

Never use damaged products!

GETTING TO KNOW THE MONITOR AND THE CAMERA



What the Lights Mean?

Light	State	What it means?
Power Status	On	The camera is on.
	Off	The camera is off.
Link Status	Flashing	The camera is in pairing mode.
	On	The camera is connected to the monitor.
	Off	The camera is in standby.
Charge Status	On (Green)	The battery is charging.
	Off	The battery has charged.

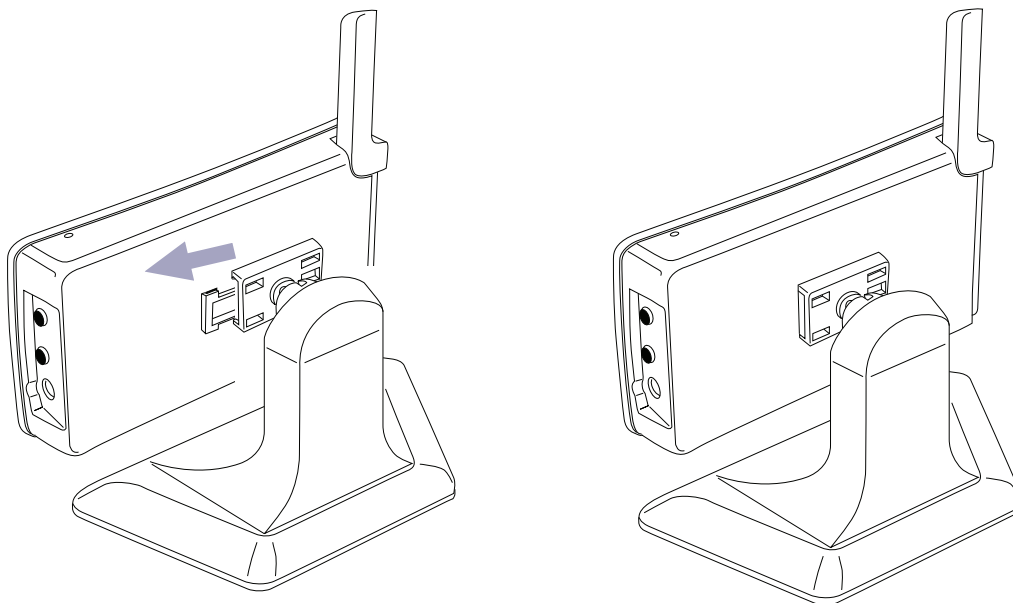
SETTING UP THE EQUIPMENT

Set Up the Monitor

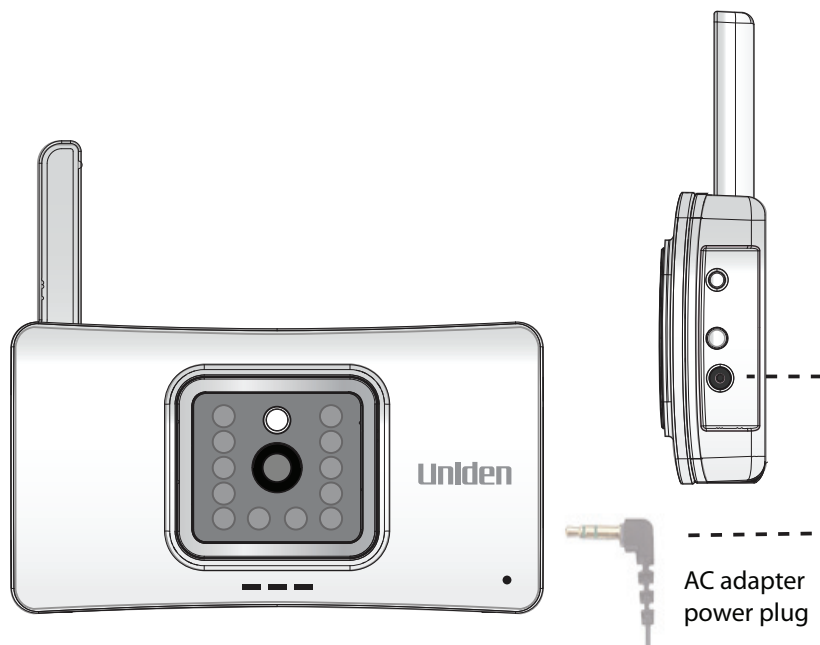
1. If you are using the monitor as a stand-alone unit, flip out the stand on the back of the monitor, and extend the antenna. Connect an AC adaptor to the power input on the side of the monitor. If you are using the monitor in the cradle, insert the monitor into the cradle and connect an AC adaptor to the power input on the back of the cradle.
2. Connect the other end of the adaptor to a 240 volt AC (standard indoor) power outlet.
3. Press and hold the **POWER** button on the top of the monitor for 3 - 4 seconds to power it up.
4. The monitor 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.

Attach The Indoor Camera



Slide the camera on to the stand swivel mount until it clicks in place.



1. Connect one end of an AC adaptor to the camera and plug the other end into a 240 volt AC (standard indoor) power outlet.
2. Press and hold **POWER** button and make sure the Power LED turns on. If it doesn't, try reconnecting the AC adaptor, and make sure the power outlet isn't controlled by a wall switch.

SETTING UP YOUR SYSTEM

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

Camera Settings

- Pairing (Page 20)
- Camera On (Page 21)
- Brightness (Page 21)

Recording Settings

- Motion Detection (Page 22)
- Email Alert (Page 23)
- Schedule Recordings (Page 26)

Network Settings

- Internet Setup (Page 28)
- Security Code (Page 29)
- Network Information (Page 30)

Alarm Settings

- Period (Page 31)
- Melody (Page 31)

System Settings

- Power Saving (Page 32)
- Screen Auto Lock (Page 33)
- Time (Page 34)
- Format Storage (Page 36)
- System Upgrade (Page 37)
- Language (Page 37)

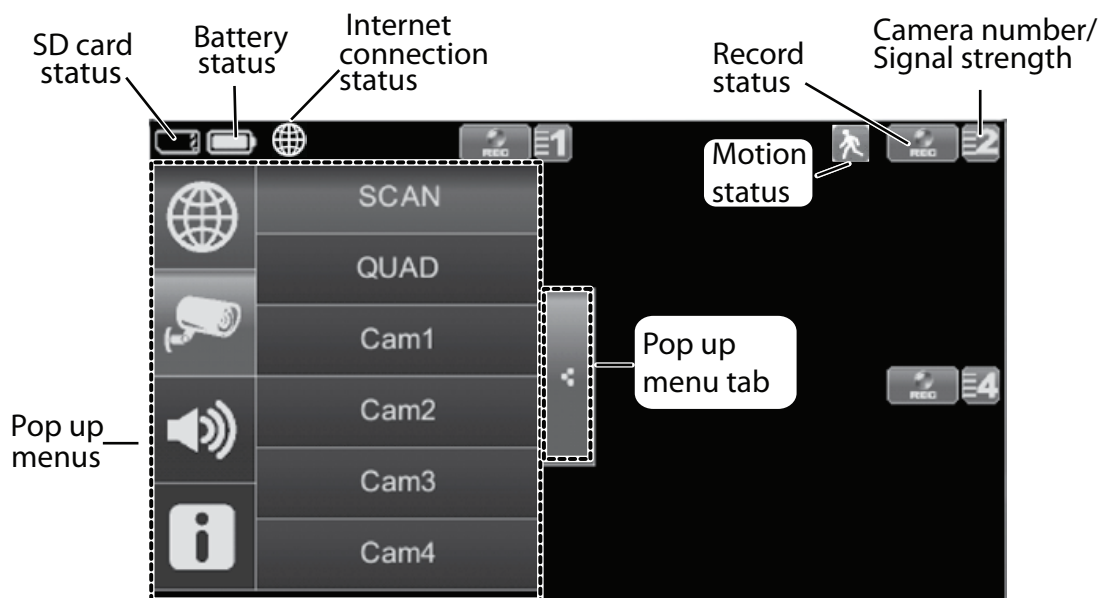
BW34XX SOFTWARE OPERATION OVERVIEW

Your BW34xx Series 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 BW34xx Series 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 does it mean
CAMERA MODE 	Select how you want the LIVE screen to display camera input: <ul style="list-style-type: none"> • Scan between cameras (5 seconds) • Quad view (all paired cameras display) • Full view (1 camera displays on full screen)
VOLUME 	Adjust the volume level.
BW34XX SERIES SYSTEM SETTINGS 	Access the BW34XX Series 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.
INTERNET/INTRANET STATUS  	Appears in LIVE view. Indicates connection to the internet is in progress.
	Appears in LIVE view and Pop-Up Menu. Indicates internet connection is established.

Icon	What it does
 	<p>Appears in LIVE view. Indicates remote viewing in progress.</p> <p>Appears in LIVE view. Indicates the intranet connection is established.</p>
CAMERA NUMBER 	<p>Displays the camera number and signal strength through the status lines to the left of the number.</p>
RECORD STATUS 	<p>Tap to start or stop recording for that camera</p> <ul style="list-style-type: none"> • Steady on - Not recording • Flashing - Recording
MOTION 	<p>System indicates motion detection recording in progress.</p>
SCHEDULED 	<p>System indicates scheduled recording in progress.</p>
POP UP MENU TAB 	<p>Opens and closes the pop up menu display.</p>
NO SD CARD INDICATOR 	<p>Displays red when the SD card is not present or is damaged.</p>

Changing How the LIVE Screen Displays

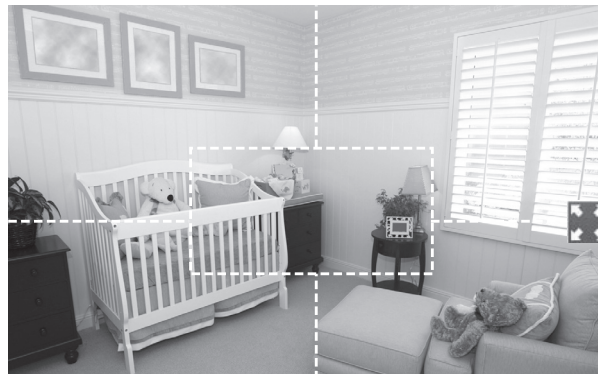
The LIVE screen displays in 2 views - Quad View or Full View. Quad View divides the screen's image area into 4 quadrants and displays camera video in each quadrant. If less than 4 cameras are on, only those cameras' video will display on the LIVE screen.

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 the 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

Recordings are saved to the SD card (approximate recording time per GB is 225 minutes). The SD card must be installed for recording to begin.

1. On the LIVE screen, tap  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.

Record List						
2010 NOV						
SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

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.

On the playback progress bar, tap the double arrow to skip forward or backwards about 10 seconds. Tap the arrow and bar to skip to the next or previous video.

5. When playback ends, tap  to return to the Record List.

You can delete a recording by tapping X, next to the camera icon.

Deleting Recorded Files



You can delete a single recorded file or a folder containing all recorded files for a specific day.

1. On the Record List screen (see previous Record List screen), tap the day with recorded files you want to delete. The list of recorded files displays.
2. Tap the X on the right-hand side of the entry. If you are deleting a folder, a confirmation screen displays. If you are deleting a single recorded file, that file deletes without a confirmation required.

Adding New Cameras

Your monitor supports a total of four active cameras at a time. When you add a camera, you have to pair it to the monitor (that is, you have “introduce” the camera and monitor so they can communicate, see page 20).

SOME THINGS TO KNOW ABOUT PAIRING CAMERAS

- If a camera is already assigned to the selected channel, the monitor overwrites that camera link with the new one.
- Only pair one camera at a time! The monitor links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the monitor will detect first.

TROUBLESHOOTING CAMERA PAIRING

Consult the following table for camera pairing troubleshooting suggestions:

If...	Try...
<ul style="list-style-type: none">the camera's signal status icon shows no bars	<ul style="list-style-type: none">making sure the camera is plugged in and the Power LED is on.making sure that the camera's antenna is extended.making sure that the monitor's antenna is extended.making sure the camera is paired to the correct channelre-pairing the camera and monitor
<ul style="list-style-type: none">the camera won't pair with the monitor	<ul style="list-style-type: none">making sure the camera is plugged in and the Power LED is on.pressing and releasing the Link button quickly. Do not press and hold the Link button.

BW34XX SERIES SCREEN DESCRIPTIONS

OVERVIEW

This section describes the BW34xx Series screens in detail. It provides a path to the screen being viewed.

BW34xx Series SETTINGS SCREEN

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



This screen should display:



The BW34xx Series 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 monitor.
	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.
	Email Alert	Sends email notification to user's PC and/or mobile when Motion Detection senses motion in front of the camera.
	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 monitor's unique DID 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.
		Time Setting - set the current time.
		Time Zone - select the time zone.
	Format Storage	Formats/erases all the data on the SD card. Permits new records to overwrite old records when the SD card is full.
	System Upgrade	Upgrades the monitor firmware.
	Language	Changes default language setting for the Monitor (English, French or Spanish).
Quick Tips	NA	Provides a list of 10 common questions.

Camera Setup Screen

Pairing

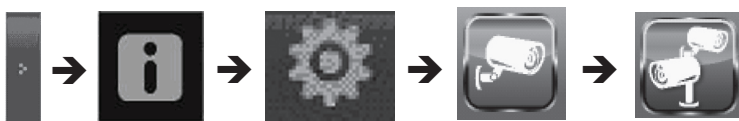
Your camera is paired to the monitor at the factory. When you add a new camera to your system, you have to pair it to the monitor (that is, you have “introduce” the camera and monitor so they can communicate).

Remember:

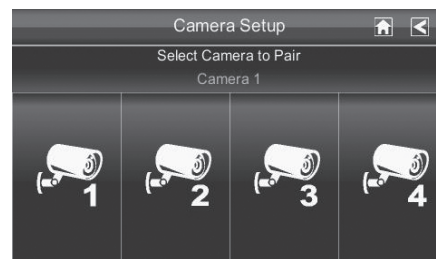
- If a camera is already assigned to the selected channel, the monitor overwrites that camera link with the new one.
- Only pair one camera at a time! The monitor links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the monitor will detect first.



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 Link button on that camera. The 60 second countdown will end when the pairing process is complete.

Tap  button, X icon comes up, tap that to stop processing.

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 monitor 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:



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 monitor will not receive video signals from that camera.

This screen should display:



Brightness

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



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

This screen should display:



Recorder Setup Screen

Use the Recorder Setup screen to select between Motion Detection, Email Alert or Schedule Record.

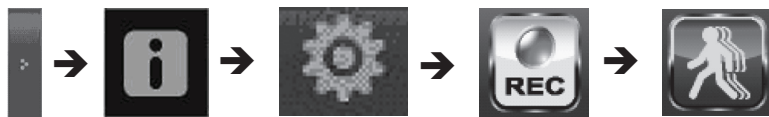
Select Motion Detection.

See “Motion Detection” below.

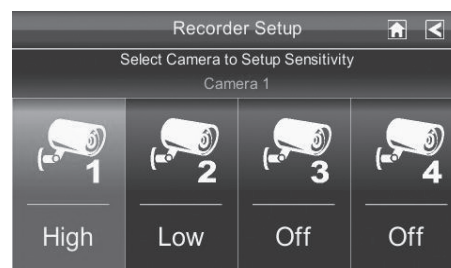



Motion Detection

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 Low. The system records for 2 minutes when motion is detected.

Email Alert

The BW34xx Series system can notify you when it detects motion from any camera by sending you an e-mail alert. The email alert contains information such as, the time that motion was detected and by which camera. In order to enable the BW34xx Series system, you must enter both incoming and outgoing email addresses.

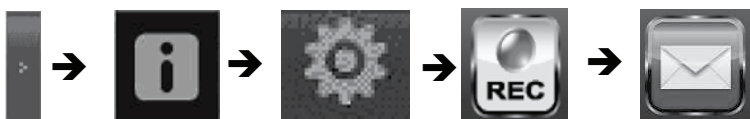
Uniden recommends you set up and use Gmail as the outgoing mail server.

The outgoing email server (SMTP server) is responsible for sending out the email notification to tell users when the BW34xx Series system detects motion from any camera (Motion Detection must be activated).

The incoming mail server (Email To) receives the email notification sent from the SMTP server. The user must be able to receive email on Windows PC or on mobile devices (such as iPhone, iPad, or Android smartphone or tablet) from the BW34xx Series system.

When you receive an email alert, you can view LIVE video from your Windows PC, an iPhone, iPad, Android smartphone or Android tablet through apps. Free apps are available through the App store or the Android Market.

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



This screen should display:



1. Tap Enable To activate Email Alert or Disable To deactivate it.
2. Tap on the SMTP Server field. A keyboard screen displays.



Enter your outgoing e-mail SMTP server (e.g. for gmail server, enter: smtp@gmail.com). You can switch the keyboard from alphabetical characters to numbers/symbols and back again by tapping the field to the left of the space bar. Tap Enter. The Email Alert screen displays again.

3. Tap on the *SMTP Port* field and enter the port number (e.g. for gmail server, enter: 465). Tap Enter.
4. Tap on the *Username* field and enter the email account you want to send alert messages from (e.g. for gmail server, enter the gmail account in full). Tap Enter.
5. Tap on the *Password* field and enter your email password (the password will always remain hidden). Tap Enter.

The password entered here must be the password for the outgoing email account.

6. Tap on the *Email To* field and enter the email account you want to receive email alert messages. Tap Enter.

The incoming email account can be the same as, or different from, the outgoing email account. If a different email account is used then the outgoing email account serves as a relay for the alert messages. Only one incoming email account will be accepted by the BW34xx Series system.

7. Tap OK to save the settings, then tap  to return to the previous screen.

If you are using Gmail as the outgoing SMTP server, check SSL and use the data in the following table:

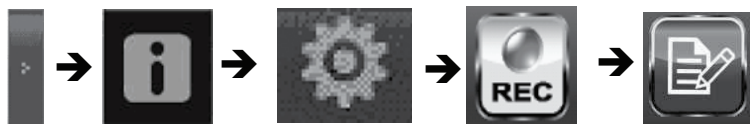
For Gmail		
SMTP Server	smtp.gmail.com	Enter this.
SMTP Port	465	Enter this.
User Name	XXXXX@gmail.com	Enter your gmail address in full, including '@gmail.com'.
Password	XXXXXXXXXXXXX	Enter the password for this gmail account.
Email To	XXXXX@gmail.com	Enter the email address where you want the alerts sent.

Schedule Record

You can schedule up to 5 recording sessions. The length of the total recording time is limited to the size of the SD card.

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.

2012 JAN						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

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.

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

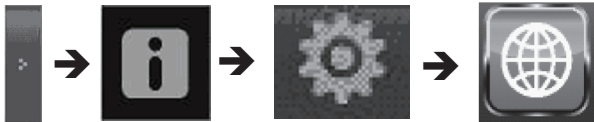
CLEAR A SCHEDULED RECORDING

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.

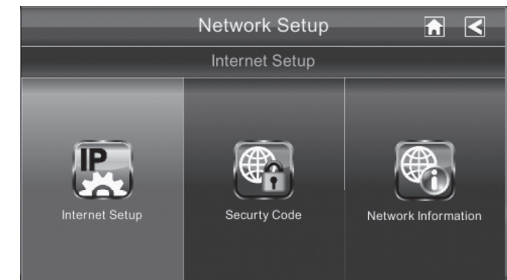
Network Setup Screen

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:



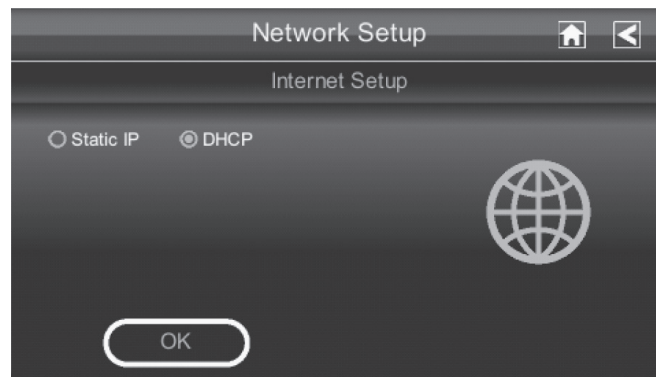
This screen should display:



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	<ul style="list-style-type: none">• IP Address• Subnet Mask• Default Gateway• DNS Server
DHCP	None



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

DHCP is the most common connection. Your router will automatically assign an IP address to your BW34xx Series system. Static IP is for those that have the ability to specify an IP address for the BW34xx Series 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/Enter. The Security Code screen displays again.

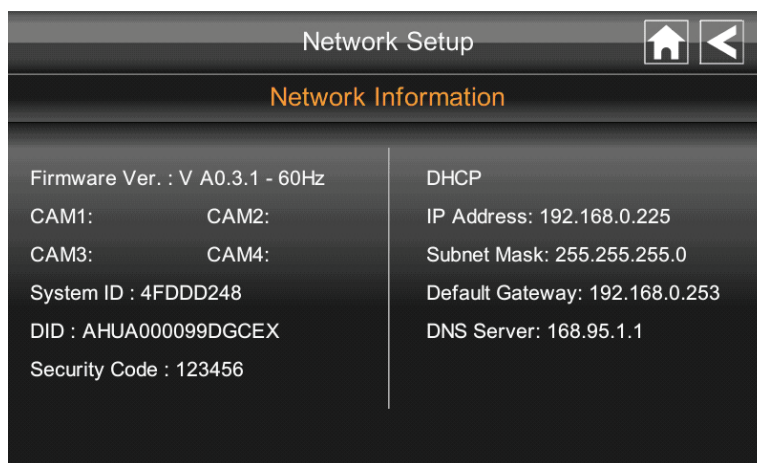
You must enter a security code to monitor your video from a PC or other device.

5. Tap OK on the system reboot prompt. The Network Setup screen displays.
6. Turn your BW34xx Series monitor off then back on for the security code change to take effect.



Network Information

1. Tap the Network Information icon to display the Network Information screen.
2. Tap  to return to the previous screen.

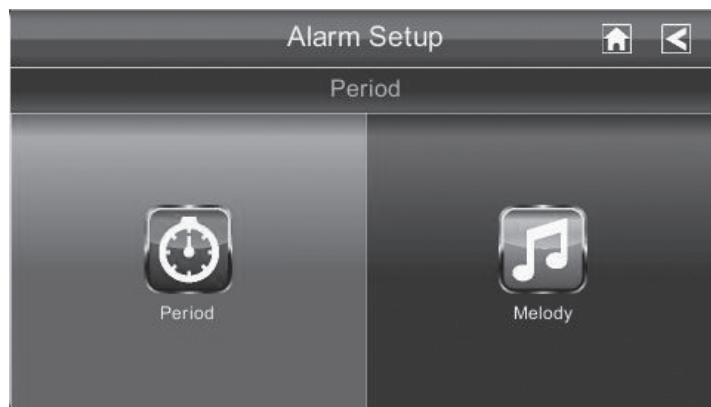


The DID is a unique code specific to your monitor and is required (along with the security code) to gain remote access to your cameras over the internet. The information in the DHCP setting is assigned to your monitor from your home router.

Alarm Setup Screen


From the Alarm Setup screen, you can:

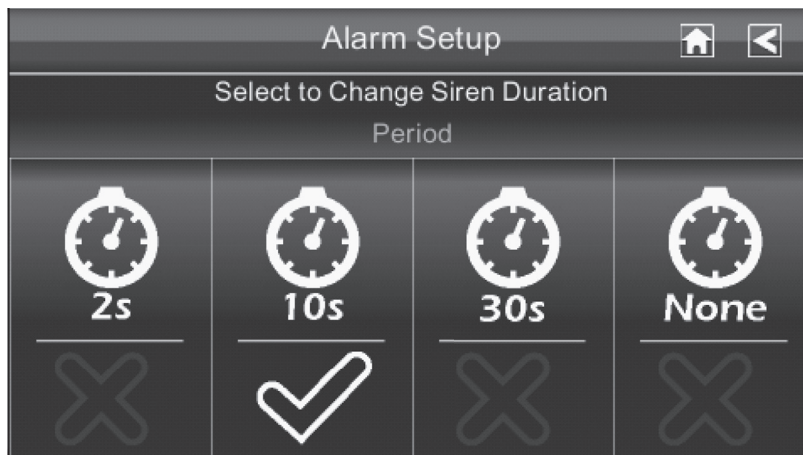
- Set the length of time the alarm sounds
- Select a melody for the alarm.



Period


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

1. Tap Period. The Set 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 monitor briefly plays a sample of the selected melody.
3. Tap  to return to the previous screen.

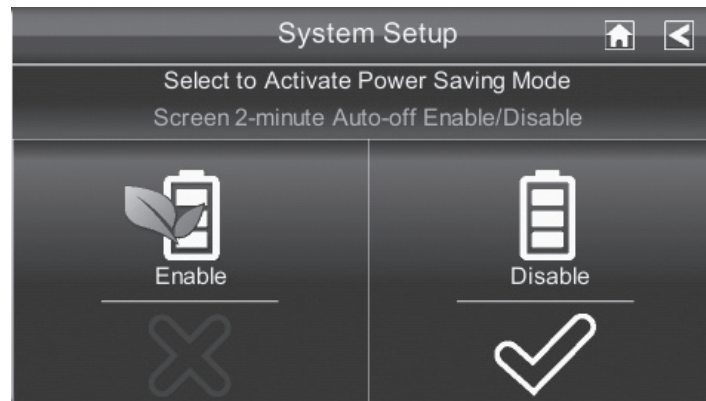


System Setup Screen




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.

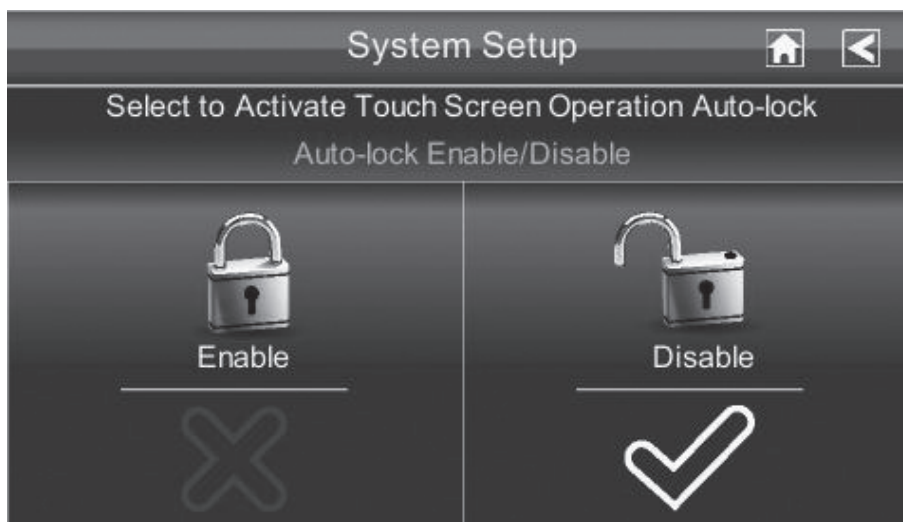
1. Tap Power Saving Enable to activate Power Saving mode (Default = Disable).
2. A check mark appears on your selection.
3. Tap  to return to the previous screen.


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 screen displays.



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

Time

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

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




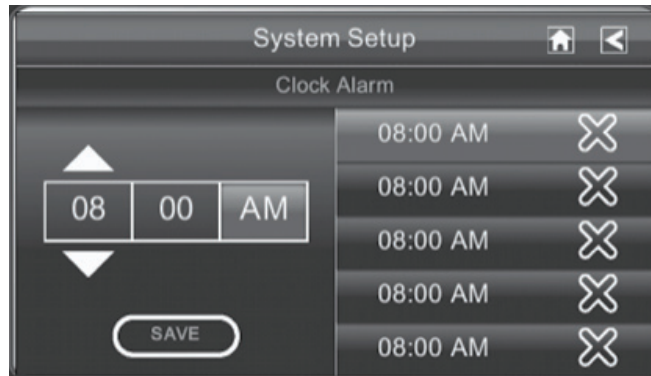
The following screen displays:



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).

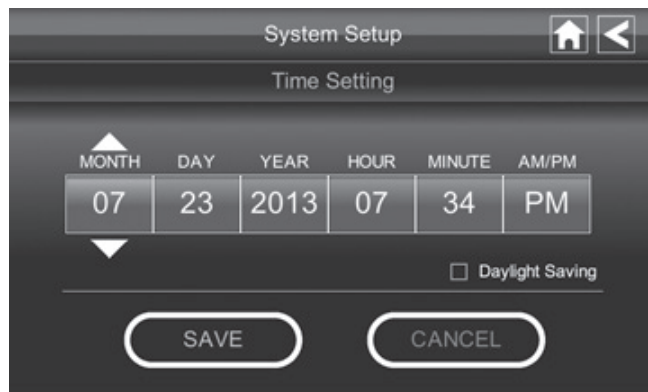


3. Tap on the hour block. The UP/DOWN arrows move to the hour block. Set the hour.
4. Tap on the minute block. The UP/DOWN arrows move to the minute block. Set the minute.
5. Tap on AM/PM to toggle between the two.
6. Tap SAVE when you are finished.

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.
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 Daylight Saving to set Daylight Savings Time.
5. Tap SAVE when you are finished.




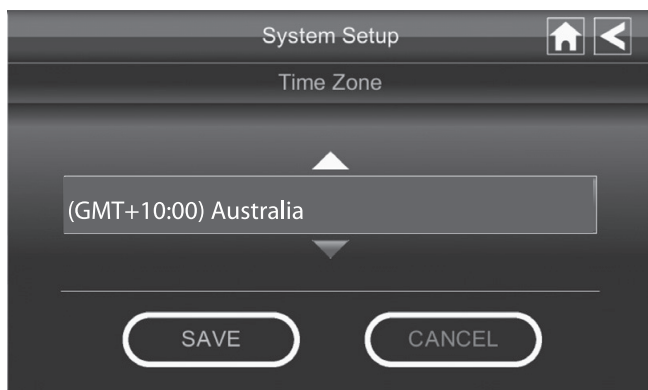
It is important to set the correct time to ensure that the recorded video files and the scheduled record times are correct.

Time Zone

Time Zone allows you to set the time zone your monitor is in. This is especially useful if you are using the app in another time zone and you want to remotely access your recorded files. You can set a filter for how far back you want to view files (the past hour, past 6 hours, etc - see page 46). Your system will know that your request refers to the time zone the monitor is in.

[Default = (GMT+10:00) Australia]

1. Tap  to display the Time Zone screen.
2. Scroll through the time zone lists to find your time zone. Tap on that time zone when you find it.
3. Tap SAVE when you are finished. The Time Zone screen displays.



Format Storage

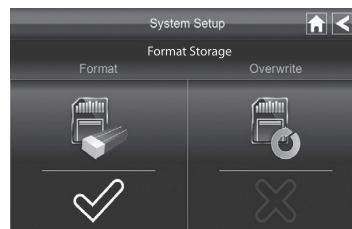
Format Storage lets you reformat your SD card (erasing all records) or allow new video records to copy over older records when the SD card is full. Overwrite erases the oldest record to free space for the new file. More than one record may be erased depending on the size of the new file.

The BW34xx Series System supports up to a 32 GB SD Card.

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



This screen should display:



1. Tap Format Storage on the System Setup screen. The Format Storage screen displays.
2. You can tap either *Format* or *Overwrite* from this screen.

Format

Formatting the SD card erases all data. If there are files you need to keep, transfer those files from the SD card to your computer.

1. Tap the Format portion of the Format Storage screen. A confirmation screen displays, asking if you wish to continue.
2. Tap OK.

Reformat your SD card every 4 - 6 weeks for optimum performance.

Overwrite

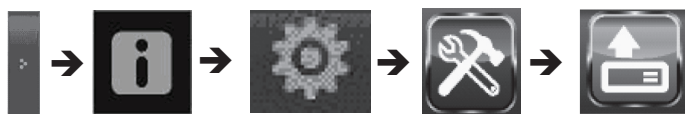
Overwrite lets the system delete the oldest records in order to record new records when the SD card is full. It might be necessary to delete more than one record to save the new record, depending on size.

1. Tap the Overwrite portion of the Format Storage screen.
2. A checkmark displays to indicate that the oldest files will be overwritten. If you turn off this feature, an X displays and the system displays an out of space message when you try to record files and the SD card is full.

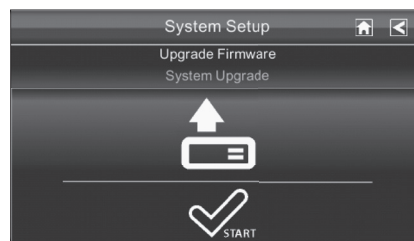
System Upgrade

To upgrade the BW34xx Series firmware, you will need to download the file from the Uniden website (see front cover of this manual) to your computer. This file must then be transferred to the root directory of the SD card used in your BW34xx Series system.

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



This screen should display:



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:

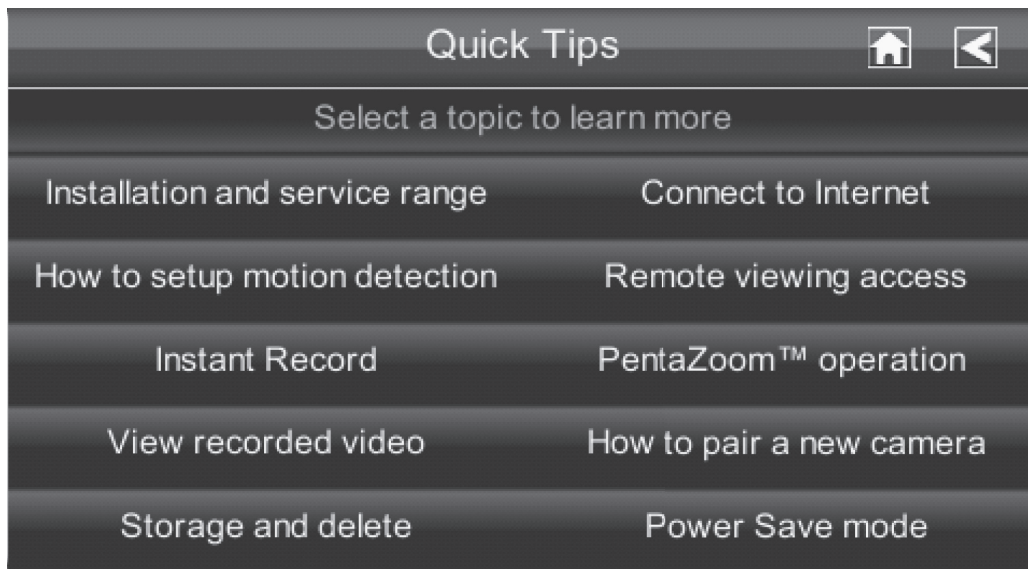


1. Select a language to change to that language. The Restore Default Settings screen displays.
2. Tap OK to continue with the language reset. The system will reboot in about 5 seconds. If you do not want to reset the language, tap CANCEL and return to the previous screen.

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

BW34xx Series lets you view LIVE video from your iPhone®, iPad®, or Android® smartphone or tablet. Free apps are available through the 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.

Multiple users can access LIVE video at the same time as long as they have the User ID (DID) 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 7
- Internet Explorer® 8 or greater.
- iPhone® 3GS or above, or
- iPad® or
- Android® 2.3 smartphone or above, with 1 GHz processor or greater and 256 MB of memory, or greater, or tablet.

Connecting to the Internet

The BW34xx Series cradle charges your monitor as well as provides an internet connection. When you are connected to the internet, LIVE video will display on the monitor.

For this procedure, the AC adaptor must be connected to the cradle and not to the monitor. Reconnect the AC adaptor 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. Before placing the monitor into the cradle, make sure all video recordings are stopped, otherwise, the system may lock up. 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 Internet Connection Status Indicator appears on the upper left of the LIVE screen indicating that the system is connected to the internet.
While the system is connected to the internet:
 - The LIVE screen display rate may reduce to 2-3 frames per second.
 - The touch screen's control operation will be limited. To return to full control of the touch screen, disconnect from the internet. Tap on the Pop Up menu and select *Charge Only*.
6. When you connect remotely to the monitor, the Internet Connection Status Indicator shows that remote view in progress.

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 or tablet as long as those devices are also connected to the same network as the monitor. For example, your smart phone or tablet 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 or tablet.

Remotely View Your Uniden BW34xx Series System

To remote view via your PC, please log on to www.unidenvideo.com.

The screen shown below will be displayed. Click on the link 'Start Viewing'.

Select Language ▼

Uniden®

Remotely View Your Uniden Video System

Start Viewing

System Requirements:

To use the UnidenVideo.com web portal, please use Internet Explorer (32 bit) on a Windows operating system.

For Windows 8, Go to the Desktop and use the Desktop version of Internet Explorer.

Windows 8 App (Mobile 8) version of Internet Explorer is NOT supported.

*Note: We have changed this site to provide a better customer experience overall, login/registration is no longer required as shown in the user manual.

On the next screen, please enter your DID and security code.

The DID code can be found on the back of your handheld monitor behind the kickstand. It is the 20 characters underneath the barcode. You also can find the DID code on the Network Information screen.

Choose the camera and then press START to view LIVE video.

DID Code:

Security Code:

Camera:

1

▼

Data Storage Location:

...

Start

Snapshot

Record

1X

Live video will appear when you press the start button.

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.

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 Data Storage Location for all video and snapshots. Select Data Storage Location and then browse to the location where you want to save them.

ZOOM



The Portal lets you zoom in or out of the LIVE video.

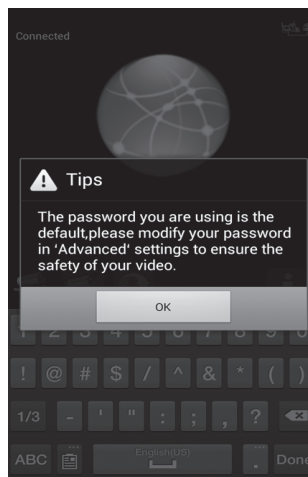
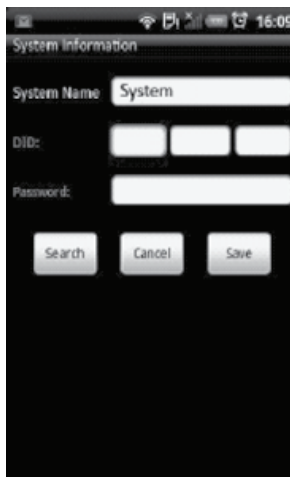
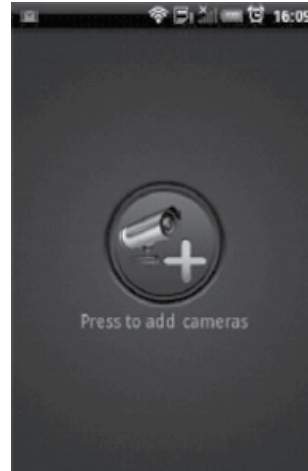
Click 1X and 2X.

DOWNLOADING APPS

Android

You can use a Google® Android® smart phone or tablet with your BW34xx Series 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.
2. Launch the app; tap **PRESS TO ADD CAMERAS** to add your system information to the app.
Enter a name for your system in the System Name field.
Enter the same DID code from your BW34xx Series monitor in the DID field.
Enter the security code.
Tap SAVE. A message displays, verifying that you want to save the system you just entered. Tap OK.
3. A message displays, recommending that you change the security code from the default. Tap OK.
4. The Uniden Guardian 2 system Main screen displays. A globe displays for each system you connect to the Uniden Guardian 2 app.
5. Tap on the globe to view LIVE video from that system.
6. Tap  on the main screen. Tap  to edit system information and enable e-mail alerts.



If only one system is connected, the app will display the globe screen momentarily and then display the last image from that system.



APP Operation

When you open the APP on your Android phone, the image displayed on the main screen is the last camera image, captured automatically, from your previously established session.



Main Screen



Tap to add an additional BW34xx Series system.



Tap to enter System Setup page.







Tap to refresh the system.




Tap to enter the APP Information page. There is also an option to enable/disable the PIN lock




SYSTEM SETUP ICONS

These icons display when you tap the  icon from the Main screen.

-  Edit System. Tap this icon to change settings and enable email alerts and event notifications.
-  Delete System. Tap this icon to delete the BW34xx Series system.
-  View Recorded Files. Tap this icon to display a list of recorded file (see page 46).

INFORMATION OPTIONS

These options display when you tap the  icon.

-  Set up PIN Lock. Activating this function prevents others from activating the app and viewing your camera images. Enter a unique 4-digit code and check the “Enable lock when starting” box if desired. Enter this code when you activate the app.
-  Notify. Tap this icon to enable notification.
-  About. Tap this icon to display the APP version number and the API version number.


TO ENABLE EVENT NOTIFICATION

You can set your smartphone or device to notify you when there is a new recorded file.

1. Tap Settings on your device.
2. Tap Notifications. A list of apps displays.
3. Tap Uniden Guardian 2.
4. The Uniden Guardian 2 setting screen displays. Turn the notification ON or OFF as desired.

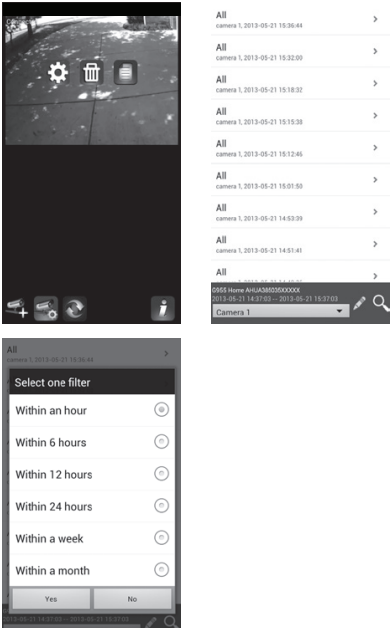
TO VIEW RECORDED FILES FROM YOUR MOBILE DEVICE

Before you can view recorded files from your mobile device, you must connect your system to the internet (see page 39).






1. Launch the Uniden Guardian 2 app and select your system. The main screen displays.
2. Tap the  icon. The Edit System, Delete System, and View Recorded Files icons display.

3. Tap VIEW RECORDED FILES. A list of recorded files (Event List) displays. You also have the following options available:
- Across the bottom of screen is a camera selection field with a drop-down menu; you can select which camera's Event List you want to view.
 - Tap the pencil icon to select recorded files to delete. Tap the box on the right side of the entry to select it for deletion.
 - You can set a filter to display all files recorded within the past hour, past 6 hours, etc. Tap SEARCH (magnifying glass icon) to display the filter selections. Select a filter and then tap YES. The Event List displays again, filtered accordingly.

When you set a filter, be sure the Time Zone feature is set accurately in the monitor to reflect the current time zone for the system, not the time zone where you are.







4. Tap on a file to play it. Two icons display on the screen below the image:

<div>Uniden Guardian 2(Playback Video)</div> <div>Playing, 2013-06-09 16:39:11 320X240 P2P, N=1, 15.00FPS</div> <div></div> <div></div>	 	<p>Pause icon. Tap to pause playback. Tap again to resume playback.</p> <p>Return icon. Tap to return to the previous screen.</p>
--	---	---

TO TAKE SNAPSHOTS AND RECORD FROM LIVE VIEW:

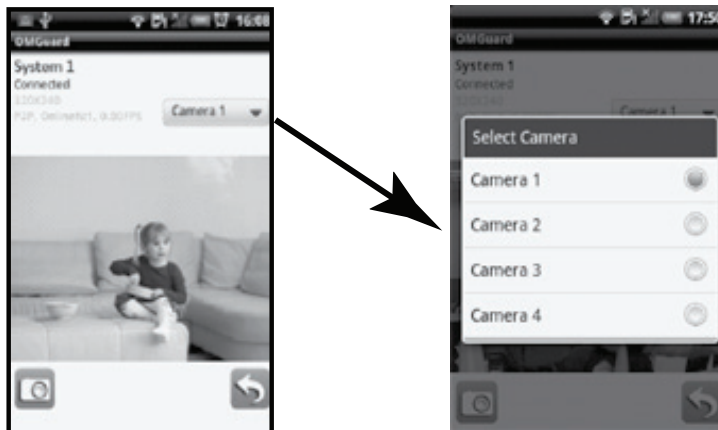
From the LIVE view, three icons display on this screen - Snapshot, Record, and Return.

<div><div>Uniden Guardian 2</div><div>Connected 320X240 P2P, N=2, 7.00FPS</div><div>Camera... ▾</div></div> <div></div>		Snapshot icon. Tap to take a picture. Pictures are saved to your phone.
		Record icon. Tap to begin recording. A red circle displays in the upper right-hand corner of the screen. The app records for 2 minutes, and stores the recorded file on the monitor's SD card.
		Return icon. Tap to return to the Main screen.

If you have multiple systems, scroll down and tap on the system image you want to view.

To View Video:

1. Select a system.
2. Select a camera from the drop-down menu.
3. View video.
You can turn your device sideways and go to a horizontal view.
4. Tap Return to stop the video and enter the system page.



iPhone

In a similar fashion to the Android smart phone, you can use the Apple® iPhone® smart phone or iPad® tablet with your BW34xx Series System to remotely connect to and view camera videos. Follow these steps to download the Uniden Guardian 2 iPhone® App and set it up to work with your BW34xx Series system.

1. From your iPhone® or iPad®, go to the Apple App Store and search for *Uniden Guardian 2*. Download and install this App to your device.

2. Launch the app; tap PRESS TO ADD CAMERAS to add your system information to the app.

Enter a name for your system in the System Name field. Enter the same DID code from your BW34xx Series monitor in the DID field.

If your phone is connected via WiFi to the same network as the BW34xx Series system, tap SEARCH. The app will look on your network and find your system's DID code.

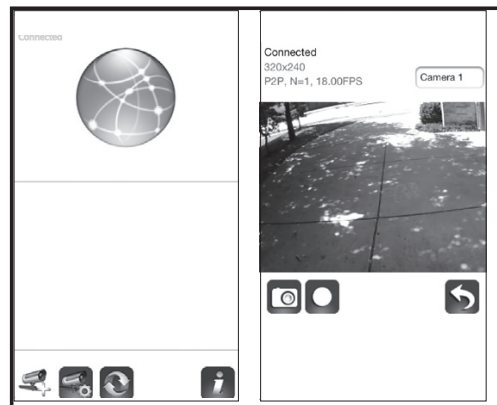
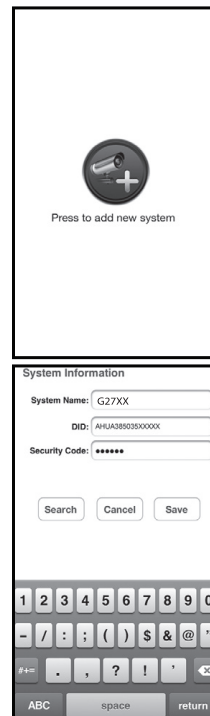
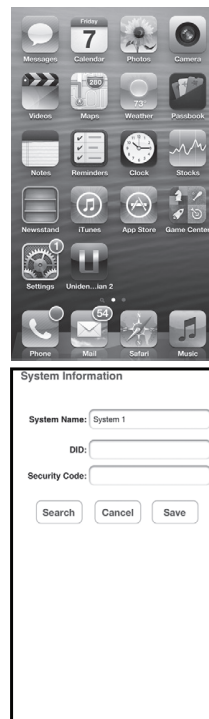
Enter the security code.

Tap SAVE.

3. The Uniden Guardian 2 system Main screen displays. A globe displays for each system you connect to the Uniden Guardian 2 app.

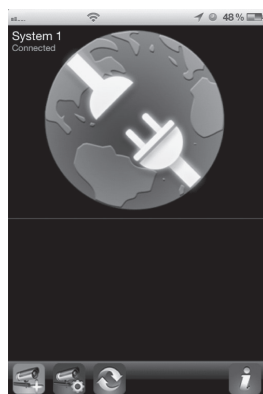
If only one system is connected, the app will display the globe screen momentarily and then display the last image of that system.

4. If you have more than one system on the app, tap your desired system's globe to view LIVE video from that system.



APP Operation

When you open the APP on your iPhone or iPad, several icons display on the bottom task bar.



Main Screen



Tap to add an additional BW34xx Series system.



Tap to enter System Setup page.






Tap to refresh the system.




Tap to enter the APP Information page. There is also an option to enable/disable the PIN lock.



SYSTEM SETUP ICONS

These icons display when you tap the  icon from the Main screen.

-  Edit System. Tap this icon to change settings and enable email alerts and event notifications.
-  Delete System. Tap this icon to delete the BW34xx Series system.
-  View Recorded Files. Tap this icon to display a list of recorded file (see page 50).

INFORMATION OPTIONS

These options display when you tap the  icon.

-  Set up PIN Lock. Activating this function prevents others from activating the app and viewing your camera images. Enter a unique 4-digit code and check the “Enable lock when starting” box if desired. Enter this code when you activate the app.
-  About. Tap this icon to display the APP version number and the API version number.


TO ENABLE EVENT NOTIFICATION

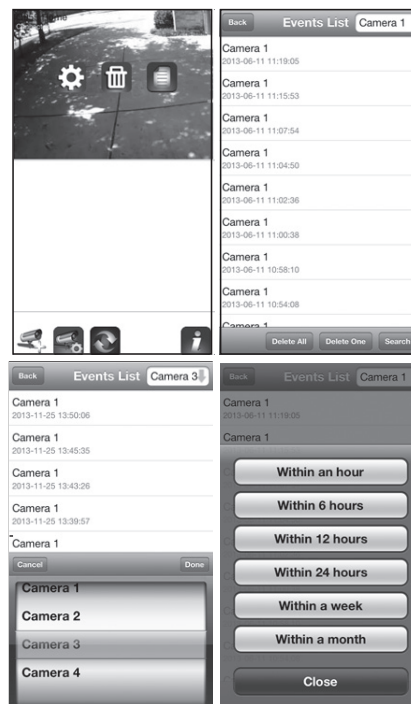
You can set your smartphone or device to notify you when there is a new recorded file.

1. Tap Settings on your device.
2. Tap Notifications. A list of apps displays.
3. Tap Uniden Guardian 2.
4. The Uniden Guardian 2 setting screen displays. Turn the notification ON or OFF as desired.



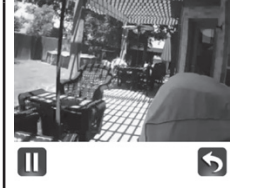

TO VIEW RECORDED FILES FROM YOUR MOBILE DEVICE

Before you can view recorded files from your mobile device, you must connect your system to the internet (see page 39). Launch the Uniden Guardian 2 app and select your system. The System Setup screen displays.

1. Tap the  icon. The Edit System, Delete System, and View Recorded Files icons display.
2. Tap VIEW RECORDED FILES. A list of recorded files (Event List) displays. You also have the following options available to help you find the files you want:
 - Change cameras. In the upper right-hand corner of the screen is a camera selection field. Tap on it and the bottom of the screen displays your camera options. Select the camera whose Event List you want to view.
 - Set display filter. You can set a filter to display all files recorded within the past hour, past 6 hours, etc. Tap SEARCH to display the filter selections. Select a filter and then tap CLOSE. The Event List displays again, filtered accordingly.
3. Tap on a file to play it. Two icons display below the image:

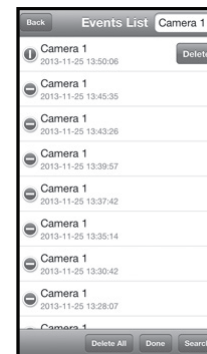
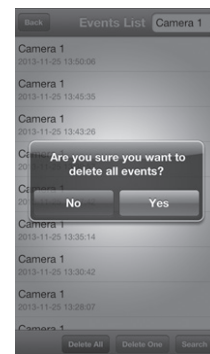
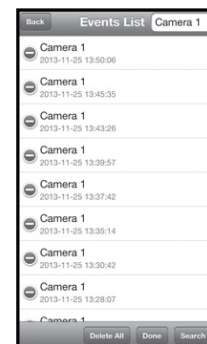
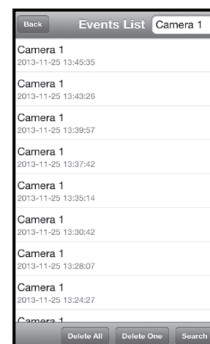


When you set a filter, be sure the Time Zone feature is set accurately in the monitor to reflect the current time zone for the system, not the time zone where you are. See page 35.

		<p>Pause icon. Tap to pause playback. Tap again to resume playback.</p>
		<p>Return icon. Tap to return to the previous screen.</p>





TO DELETE FILES

1. Tap the DELETE ALL or DELETE ONE button on the bottom of the list of files.
2. If you tap DELETE ALL, a confirmation message display. Tap YES or NO.
3. If you tap DELETE ONE, the Event List displays again with red and white circles. Tap the circle on the file you want to delete and then tap DELETE.



TO TAKE SNAPSHOTS AND RECORD FROM LIVE VIEW:



From the LIVE view, three icons display on this screen - Snapshot, Record, and Return.

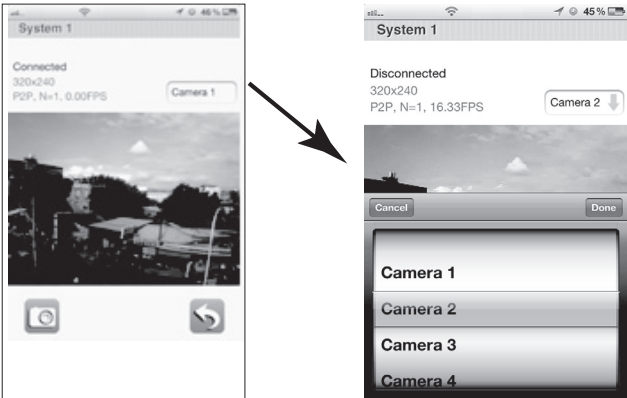
		Snapshot icon. Tap to take a picture. Pictures are saved to your phone.
		Record icon. Tap to begin recording. A red circle displays in the upper right-hand corner of the screen. The app records for 2 minutes, and stores the recorded file on the monitor's SD card.
		Return icon. Tap to return to the Main screen.

To View Video:

1. Select a system.
2. Select a camera from the drop-down menu.
3. View video.
You can turn your device sideways and go to a horizontal view.
4. Tap Return to stop the video and enter the system page.

Two icons display on the screen - Snapshot and Return.

	Snapshot icon. Tap to take a picture.
	Return icon. Tap to return to the Main screen.



SOLVING PROBLEMS

If you have any trouble with your system, try these simple steps. If you still have a question, visit the customer support page of our website listed on the front cover.

If...	Try...
The motion sensor won't respond to movement.	Increasing the sensitivity of the motion sensor (see page 22). Checking the settings on the Record screen (see page 26).
The motion sensor goes off when there's nothing there.	Decreasing the sensitivity of the motion sensor (see page 22).
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. Make sure that the SD card is inserted into the monitor 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 power LED is on. making sure the camera is paired to the correct channel re-pairing the camera and monitor moving the camera closer to the monitor; it might be out of range. make sure the camera setting is turned on in Camera Setup (see "Camera On" on page 21).

If...	Try...
The camera won't pair with the monitor	<p>making sure the camera is plugged in and the power LED is on.</p> <p>pressing and releasing the Link button quickly. Do not press and hold the Link button.</p>
When I power up my monitor 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 monitor. Screen lock may be on and tapping the Power button will unlock the screen.
The monitor picture has frozen.	Using a blunt object like an unbent paper clip to press RESET and reset the monitor. The monitor turns off. Press POWER to turn it back on.
I cannot remotely access my recorded files.	<p>Verify that the monitor is connected to the internet.</p> <p>Verify that the time zone is set correctly for the monitor.</p> <p>If you are away from your system, you will need someone to verify these items for you.</p>

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	3 Mbps
Transmitting range	500 feet (152 metres) in an open area (line of sight)

Image Specification	
Output Image resolution	480x272, 320x240 (QVGA)
Image processing	H.264
Exposure	Auto
White balance	Auto

System Specifications	Camera	Monitor
Weight	4.1 oz (118g)	7 oz (198g)
Dimension	3.5 x 2.9 x 0.8" (90 x 49 x 20 mm)	5 x 3 x 0.9" (132 x 79 x 24 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	
Operating voltage	5 V DC @ 1 Amp	

System Specifications	Camera
Power consumption	650 mA max
Low light solution	12 IR LEDs, 1 Low light sensor
Low light sensitivity	1-8 lux
Picture sensor	OV7725 1/4" Color CMOS
Lens	F2.8mm H:46 V:35

Lithium-Polymer Battery Warning

This equipment contains a rechargeable lithium-polymer battery.

- A. Do not charge the battery in temperatures below 32° F (0° C) or higher than 113° F (45° C).
- B. Do not open or mutilate the battery.
- C. The rechargeable batteries contained in this equipment may explode if disposed of in a fire.
- D. Do not short-circuit the battery.
- E. 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

- A. Do not dispose of electronic devices or any of their components (especially batteries and LCD displays) in your municipal trash collection.
- B. Consult your local waste management authority or a recycling organization to find an electronics recycling facility in your area.

ONE-YEAR LIMITED WARRANTY

BW3401

IMPORTANT *Satisfactory evidence of the original purchase is required for warranty service.* Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor

The warrantor is Uniden Australia Pty Limited ABN 58 001 865 498 ("Uniden Aust").

Terms of Warranty

Uniden Aust warrants to the original retail purchaser only that the BW3401 ("the Product"), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty Period

This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire one (1) year from the date of the original retail sale.

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

- A. Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner's Manual;
- B. Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden Aust;
- C. Improperly installed contrary to instructions contained in the relevant Owner's Manual
- D. Repaired by someone other than an authorized Uniden Repair Agent in relation to a defect or malfunction covered by this warranty; or
- E. Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered

This warranty covers the Product and included accessories.

User-generated Data

This warranty does not cover any claimed loss of or damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

Statement of Remedy

If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty does not include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for Obtaining Warranty Service

Depending on the country in which the Product was first purchased, if you believe that your Product does not conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden at the address shown below. You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

UNIDEN AUSTRALIA PTY LTD

Service Division

345 Princes Highway,

Rockdale, NSW 2216

Phone number: 1300 366 895

Email address: custservice@uniden.com.au



The Uniden logo is centered on a dark gray rectangular background. It consists of the word "Uniden" in a bold, sans-serif font, followed by a registered trademark symbol (®).

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