

BWX-100 Body-Worn DVR



Officer's Guide

Contents

Important Safety & Product Information	4
Battery Performance	4
BWX-100 DVR Maintenance & Care	4
Magnetic Mount Users	4
Introduction	5
BWX-100 Components and Controls	5
BWX-100 DVR Overview	5
Docking Station Overview	6
LCD Menu Options	6
Mounting Options	7
Operating Procedures	12
Turning On the BWX-100 DVR	12
Starting a Recording	12
Stopping a Recording and Assigning Video Categories	13
Capturing a Snapshot and/or Inserting a Tracepoint	14
Turning the Covert Mode On/Off	14
Turning Audio Mute On/Off	15
Checking Remaining Recording Time	16
Checking Remaining Battery Power	16
Uploading Media Files to DES	17
Charging the BWX-100 DVR	17
Viewing Officer Information	19
Viewing Your BWX-100 DVR Information	20
Viewing Your BWX-100 DVR's IP Address	20
Performing a Self-Test	21
Turning Off the BWX-100 DVR	22
Technical Specifications	22
BWX-100 DVR Dimensions	22
Product Specifications	22

FCC Compliance 23

Audio/Visual Indicators..... 23

Service & Support 24

 Documentation and Warranty24

 Technical Support24

Important Safety & Product Information

Battery Performance

Battery performance will vary based on settings such as video resolution and prerecord, as well as environmental conditions. Battery life will vary by use and settings. As with all batteries, maximum capacity decreases with time and use. Your BW-100 battery should be replaced at a Mobile-Vision Support Center every 12 months to ensure that it continues to perform as expected.

BW-100 DVR Maintenance & Care

- Do not charge your BW-100 using anything other than the factory-supplied chargers.
- If your BW-100 becomes hot or visually swells or if it has sustained damage to the case (for example, as a result of physical impact or mishandling), discontinue use and refrain from charging your BW-100.
- Avoid exposing your BW-100 to extreme temperatures for an extended period of time, such as leaving it unattended in a vehicle where the interior or trunk may get very hot or cold. Do not expose your BW-100 to temperatures above 60° C or below -10° C, as lithium batteries are susceptible to temperature extremes.
- Any of the above conditions could cause serious personal injury or result in smoke or fire.
- If you have any reason to be concerned about the safety of the product, cease using your BW-100 and contact Customer Support at 800-336-8475.

Magnetic Mount Users

- The magnetic mount has a strong magnetic field; persons with pacemakers or other medical implants should avoid contact.
- Always rotate one of the mount plates to the right or left first before attempting to separate the plates.
- Always remove the back plate from your BW-100 before docking it.

Introduction

BWX-100 is a body-worn digital video recorder that can be used to capture media files, such as full high definition video with audio, as well as still image snapshots. After recording media files, you upload them to your DES application by placing your BWX-100 DVR in a docking station connected to the storage server.

BWX-100 features include:

- 10.5 hours of video recording in full high definition (1080p) and 11 hours in high definition (720p)
- 129° horizontal field of view at 720p and 1080p
- Bi-directional remote "Record Start" between BWX-100 DVRs
- Built-in Wi-Fi and Bluetooth. (Wi-Fi is not used)

With BWX-100, you can:

- Categorize video in the field
- Check DVR status in the field, such as remaining record time and battery power
- Capture a still image snapshot while a recording is in progress
- Insert a tracepoint bookmark while a recording is in progress
- Record in covert mode, which deactivates all electronic audio/visual indicators
- Mute/unmute microphone
- Upload media files to DES via a docking station connected to the Internet or DES server
- Capture up to 90 seconds of prerecord video.

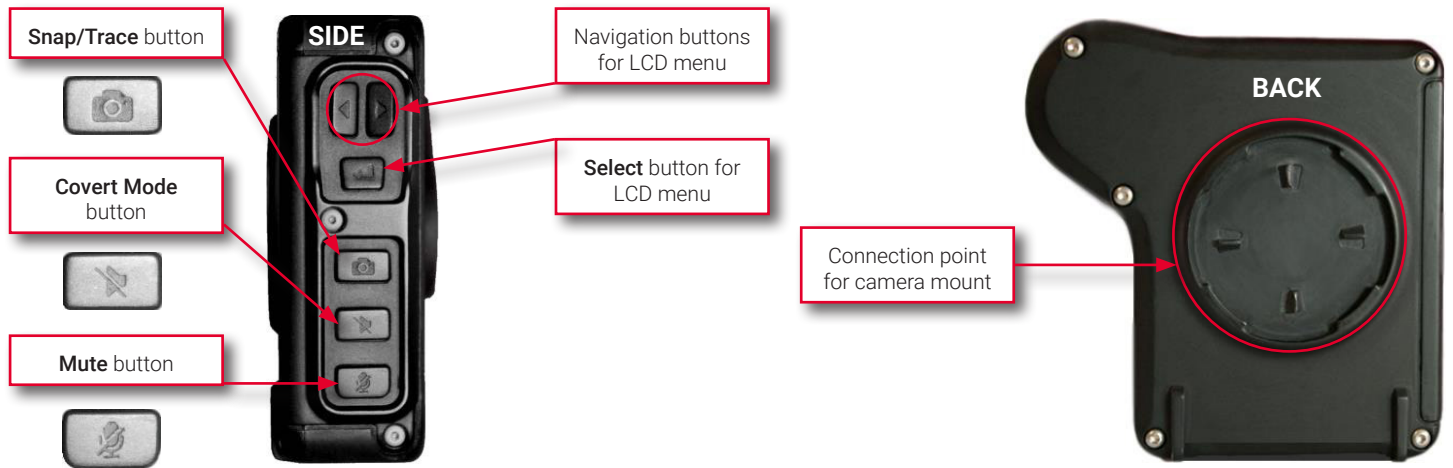
BWX-100 Components and Controls

Your shipment of the BWX-100 body-worn DVR includes:

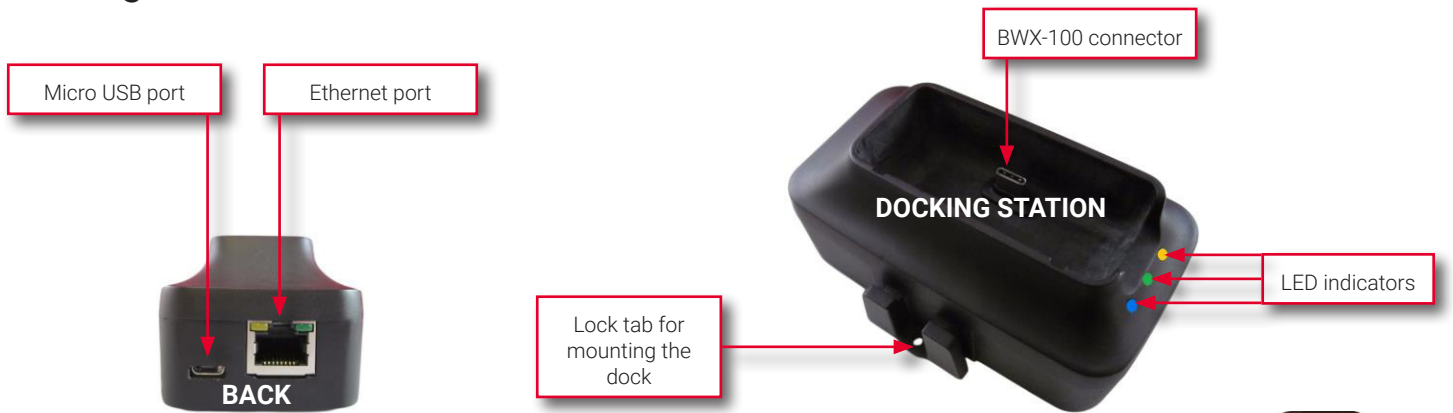
- BWX-100 digital video recorder with built-in battery
- Docking station
- Two mounting hardware options: alligator clip or magnetic mount
- Power brick and cable for docking station.

BWX-100 DVR Overview





Docking Station Overview



The docking station has three purposes:

- Upload media files from your BWX-100 to your DES storage server
- Download configuration/DVR data from DES to your BWX-100
- Recharge your BWX-100 DVR's battery.

On the front of the docking station, there are three LEDs:

- The **blue** light indicates that there is a power connection to the docking station;
- The **green** light indicates that your BWX-100 has a gigabit connection to the network;
- The **orange** light indicates that your BWX-100 has a 100 megabit connection to the network.



LCD Menu Options

The LCD menu on the top of your BWX-100 is used to view DVR indicators, assign categories to newly recorded media files, and perform a self-test on your BWX-100. To navigate this menu, use the buttons located on the side of your BWX-100.



To exit a menu, use the navigation arrows to display the **BACK** option, then press the **Select** button.



Icon	Description
High charge Low charge	Battery charge indicator. It is displayed in the upper left corner of the LCD screen when your BWX-100 is on. The more diagonal lines there are, the higher the battery charge. To determine the exact percentage of battery power that remains on your BWX-100, see Checking Remaining Battery Power on page 16 .
	Mute indicator. It is displayed when the mute function is activated (i.e., audio is off).
	Record indicator. It is displayed when a recording is in progress.
	Wi-Fi indicator. It is displayed when BWX-100 is connected to a Wi-Fi network.
	Bluetooth search indicator. It is displayed when BWX-100 is searching for a Bluetooth signal.
	Bluetooth connection indicator. It is displayed when BWX-100 is connected to an iOS or Android device via Bluetooth.
	Network indicator. It is displayed when BWX-100 is connected to the network on which your storage server resides.
Little or no space left 90-100% space left	Micro SD card storage indicator. It is displayed in the upper right corner of the LCD screen when your BWX-100 is on. This icon shows how much recording time you have left on your BWX-100. The fuller the icon, the less recording time you have left. To determine the exact percentage of storage space that remains on your BWX-100, see Checking Remaining Record Time on page 16 .

TIP: Keeping LCD menu on

After 45 seconds of inactivity, the LCD menu will automatically return to the **READY** screen. Therefore, try not to pause for too long between menu selections, or you might have to start over from the beginning!

Mounting Options

To attach a BWX-100 DVR to your clothing, first determine which mounting option will work best for you: alligator clip or magnetic mount.

Alligator Clip

The alligator clip includes pointy “teeth” that firmly grip your clothing.



Attaching the Alligator Clip to Your DVR

1. Hold your BWX-100 in one hand and the alligator clip in the other hand. The clip's tab should be facing up.



NOTE: Handling the alligator clip

- Do not subject tab to excessive use of pressure.
- If clip is rotated without pressing the tab first, it may damage the locking tab.

2. Place the mount plate in the round slot on the back of your BWX-100 with the tab in the 11:00 position.



3. Rotate the base mount clockwise until it snaps into place.



Detaching the Alligator Clip from Your DVR

1. Press the release button down with one thumb while you rotate the alligator clip counter-clockwise with another finger.
2. Pull the clip up and off the DVR.



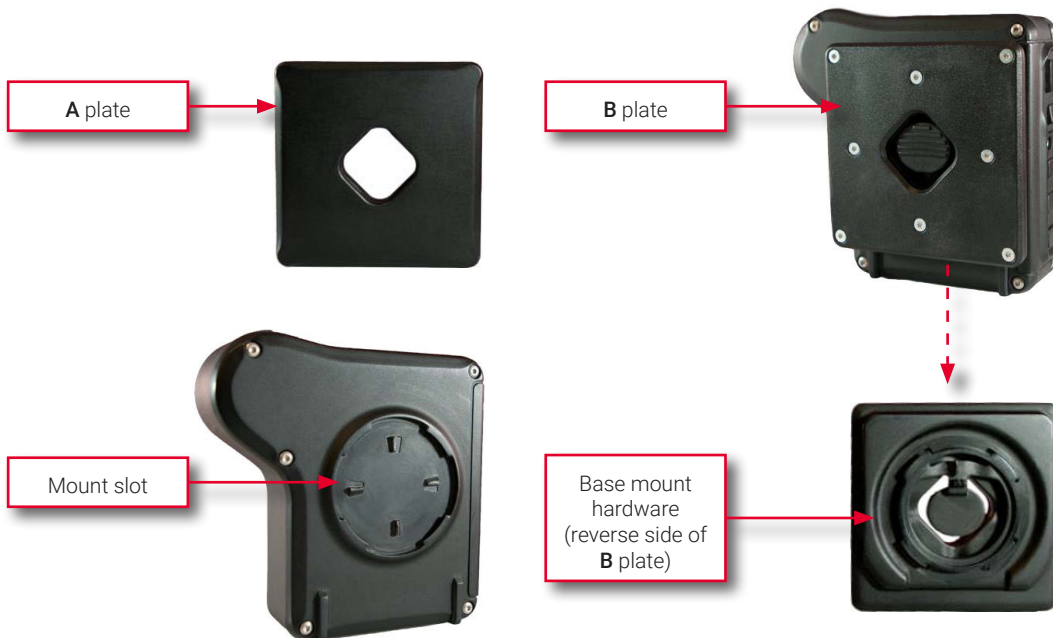
Magnetic Mount

This mount consists of two magnetic plates that snap together, referred to here as the **A** and **B** plates (see illustration below). The **B** plate goes in front of your clothing and the **A** plate goes behind your clothing.

⚠ CAUTION: Magnetic clip safety

The magnetic clip utilizes rare earth magnets that have a strong magnetic field. Please exercise caution when connecting the two plates. Keep your fingers out of the way or you could pinch or even injure them! Also, keep magnets away from electronic equipment, computer discs, credit cards, video tapes, and other magnetic media, as the magnets can damage such items.

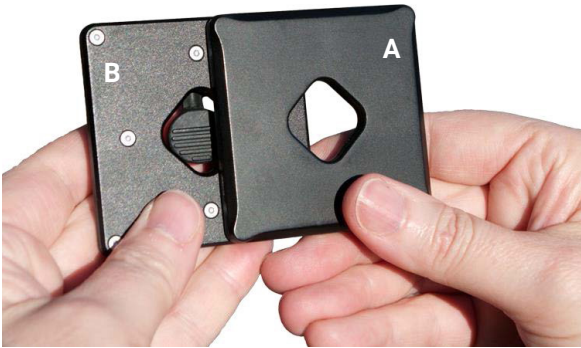
Components



WARNING: Strong magnetic field; persons with pacemakers or medical implants should avoid contact

Attaching the Magnetic Mount to Your DVR

1. Separate the two magnets. To do so:
 - i. Using your thumbs, slide the **A** plate to the right or left so that it is half on/half off the **B** plate. This requires firm pressure.



- ii. Twist the **A** plate to the right or left.



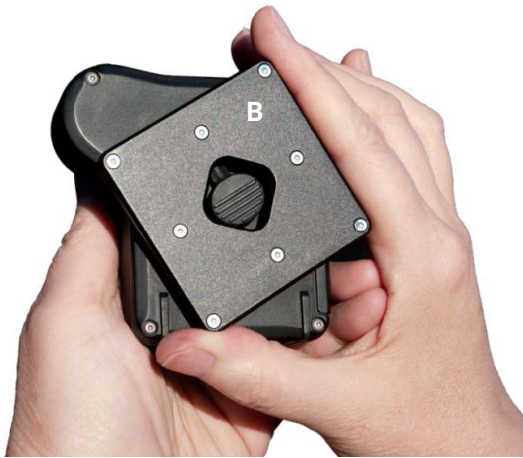
- iii. Slide the **A** plate off the **B** plate.

2. Connect the **B** Plate to the back of your BWX-100. To do so:

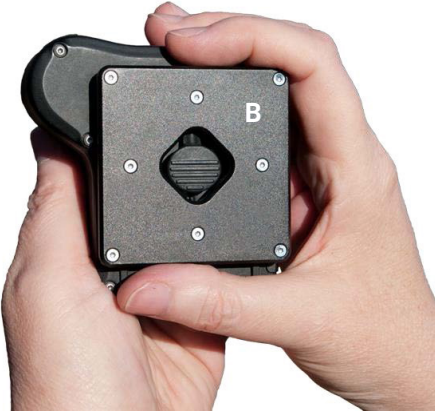
- i. Hold your BWX-100 in one hand and the **B** plate in the other hand. The arrow on the release tab should face up.



- ii. Place the **B** plate in the round slot on the back of your BWX-100. Position it so that it's tilted approximately 30° counter-clockwise, as pictured on the following page.



- iii. Rotate the **B** plate clockwise until it snaps into place and the up arrow points up.



Attaching or Removing the DVR to or from Your Clothing

1. To attach the DVR:
 - i. Position the **B** plate (now with DVR attached) in front of your clothing.
 - ii. Position the **A** plate behind your clothing so that the two plates snap together and line up properly. You may have to slide the **A** plate to the right or left to achieve a proper connection.



2. To remove the DVR, simply hold it with one hand while you use the other hand to reach behind your clothing and slide the **A** plate to the right or left.

Detaching the Magnetic Mount from the DVR

1. Place your BWX-100 in one hand while you stabilize the **B** plate with your thumb.
2. Press the release button down with one thumb while you rotate the **B** plate counter-clockwise with another finger.
3. Pull the magnetic mount up and off the DVR.



Operating Procedures

Turning On the BWX-100 DVR

To turn on your BWX-100:



To turn on the BWX-100, simultaneously press and hold the **Snap/Trace** and **Mute** buttons

1. Simultaneously press and hold the **Snap/Trace** and **Mute** buttons until your BWX-100 vibrates.
2. Release the buttons and wait for your BWX-100 to boot. This will take approximately 30 seconds. During this time, the LCD screen may be blank for several seconds. Don't worry—your BWX-100 is still booting.

When the boot is complete:

- The DVR will vibrate/chirp;
- The **Power/Record** LED will turn **green**;
- The word **READY** will be displayed on the LCD screen.



Starting a Recording

1. To start a recording, first make sure your BWX-100 is powered on and the word **READY** is displayed on the LCD screen.
2. Press and hold the **Record** button for two seconds. The following indicators confirm that you have successfully initiated a recording:
 - The **Power/Record** LED on the top of your BWX-100 changes from **green** to **red**;
 - Your BWX-100 vibrates and chirps;
 - The **RF** icon and the word **RECORDING** are displayed on the LCD screen;
 - The **red** LED on the top of your BWX-100 illuminates;
 - If the **Record LED** setting on your BWX-100 DVR has been activated in DES, the **red** LED on the front of your BWX-100 also illuminates.



As long as a recording is in progress, the LED on top of your BWX-100 (and if enabled, the front-facing LED, too) will remain solid **red**. **NOTE:** When **Covert** mode is on, all audio-visual indicators will be suppressed.

NOTE: If the recording doesn't start





If you attempt to start a recording and the DVR chirps three times, it means that your BWX-100 is either low on battery power or storage space. When this occurs, look at the LCD screen:

- If the words **STORAGE FULL** are displayed and the **Storage** icon is blinking, you need to upload your media files right away. To do so, place the device in your agency's Uplink Station. After the media files upload, try recording again.
- If the words **BATTERY LOW** are displayed and the **Battery** icon is blinking, place the device in a docking station that's connected to a power source, then press and hold the **Snap/Trace** and **Mute** buttons until the device vibrates. Once the word **CHARGED** is displayed on the LCD screen, try recording again. **NOTE:** If you have a magnetic mount, remove the mount before docking your BWX-100.

Stopping a Recording and Assigning Video Categories

1. To stop a recording in progress, press the **Record** button for two seconds. The following indicators confirm that you have successfully ended your recording:
 - The **Power/Record** LED on the top of your BWX-100 turns green;
 - The **Recording in-progress** LED on the front of your BWX-100 turns off;
 - Your BWX-100 vibrates once and chirps twice. **NOTE:** If the DVR chirps three times, it indicates that it is either low on battery power or storage space;
 - The LCD screen displays the words **STOPPING RECORDING**, followed by either **READY** or **SELECT CATEGORY**.



2. If **READY** is displayed, it means that your BWX-100 does not currently have any video categories on it. **End of Procedure.**
3. If **SELECT CATEGORY** is displayed, proceed as follows:
 - i. Press the  button. Your first video category is displayed.
 - ii. To assign the displayed category to your video, press  again. **End of Procedure.**
 - iii. To assign a different category to your video, continue pressing the  or  button until the desired category is displayed.

- iv. Press the  button. Your BWX-100 assigns the displayed category to your new video.

NOTE: Assigning categories at a later time

If you're interrupted while performing this procedure and the **READY** screen is displayed, you'll have to make the category assignment at a later time. You can categorize the video from the DEP, DEA Precinct, DEF, or DEV applications.

Capturing a Snapshot and/or Inserting a Tracepoint

If desired, your Agency administrator can configure the **Snap/Trace** button to perform one of the following actions while a recording is in progress:

- Capture a video still image or snapshot
- Insert a tracepoint bookmark in the video. The inserted bookmark will allow you to quickly advance to an important segment in that video during playback.
- Capture a still image and insert a tracepoint bookmark (default).

If your BWX-100 is already programmed to perform the desired Snap/Trace action(s), you can:

- Press the **Snap/Trace** button while a recording is in progress to capture a snapshot image and/or insert a tracepoint. Your BWX-100 vibrates and one of two messages is displayed on the LCD screen:
 - If your BWX-100 is programmed to insert a tracepoint only, **TRACEPOINT MARKED** is displayed.
 - If your BWX-100 is programmed to take a snapshot only or perform both actions, **SNAPSHOT TAKEN** is displayed.



Turning the Covert Mode On/Off

Your BWX-100 includes a feature called covert mode. In this mode, the BWX-100 DVR's lights and audible sounds are disabled, allowing you to record discreetly when necessary. You can activate this feature any time your BWX-100 is on, whether you're recording or not.

Before you use this feature, make sure you are familiar with your agency's policies regarding the use of covert mode.

1. To turn the covert mode on, press the **Covert Mode** button for two seconds. Your BWX-100 vibrates twice and the words **COVERT MODE ON** are displayed.



As long as covert mode is on, the word **COVERT** will be displayed in the lower right corner of the LCD screen.



- To turn the covert mode off, press the **Covert Mode** button again for two seconds. Your BWX-100 vibrates/chirps twice and the words **COVERT MODE OFF** are displayed.



Turning Audio Mute On/Off

If desired, you can activate the mute feature (assuming that this feature has not been disabled in DES), so that your BWX-100 will not capture any audio during a current or future recording. You can activate this feature any time your BWX-100 is on, whether you're recording or not.

- To turn audio mute on, press the **Mute** button for two seconds. Your BWX-100 vibrates/chirps and the words **MIC OFF** are displayed, indicating that audio is no longer being captured (i.e., audio mute is on).



As long as audio mute is on, the word **MUTED** will be displayed in the lower right corner of the LCD screen.



- To turn audio mute off, press the **Mute** button again for two seconds. Your BWX-100 vibrates/chirps and the words **MIC ON** are displayed, indicating that audio is being captured again (i.e., audio mute is off).



NOTE: Disabling the mute feature

If your Agency administrator does not want users to have the capability of muting a video's audio while a recording is in progress, they need to log in to DES and disable the mute setting. To do so, they need to display the appropriate DVR or DVR Group and deselect the **Mute Enabled** checkbox.

Checking Remaining Recording Time

To determine how much recording time you have left on your BWX-100, first examine the **Micro SD Card** icon located in the upper right corner of the LCD screen.



- The more black fill on this icon, the less storage space is available and the less recording time is left.

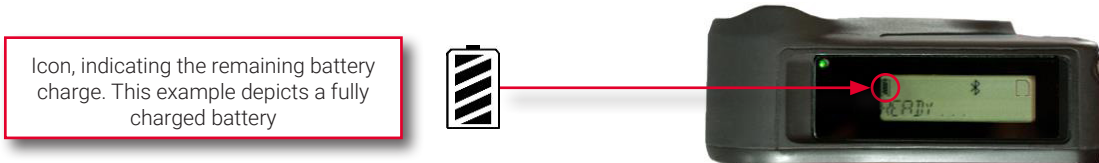
To find out the exact percentage of storage space available on your BWX-100, proceed as follows:

1. Press the ◀ or ▶ button until **DEVICE INFO** is displayed.
2. Press the ↙ button.
3. Press the ◀ or ▶ button until **STORAGE SPACE** is displayed.
4. Press the ↙ button. The percentage of storage space remaining on your BWX-100 is displayed.



Checking Remaining Battery Power

To determine how much battery power you have left on your BWX-100, first examine the **Battery** icon located in the upper left corner of the LCD screen.



- The more diagonal lines there are, the higher the battery charge.

To find out the exact percentage of battery charge remaining on your BWX-100, proceed as follows:

1. Press the ◀ or ▶ button until **DEVICE INFO** is displayed.
2. Press the ↙ button. The words **BATTERY LEVEL** are displayed.
3. Press ↙ again. The percentage of remaining battery power is displayed.



NOTE: Low battery indicator

When your battery level is less than 10%, the **Battery** icon starts blinking and the words **BATTERY LOW** are displayed.

Uploading Media Files to DES

BWX-100 is designed to work with your existing DES software: DEP, DEA Precinct, DEF, or DEV. This section describes how to upload the recorded media files to these applications.

1. If your DVR is not already powered on, simultaneously press the **Snap/Trace** and **Mute** buttons.
 - If your BWX-100 vibrates/chirps, it indicates that it has successfully powered on.
 - If your BWX-100 does not vibrate/chirp, it indicates that its battery is completely depleted.
2. Place your BWX-100 in one of the available docking stations at your agency's Uplink Station. If the BWX-100 DVR's battery is completely depleted, press the **Snap/Trace** and **Mute** buttons again to power on the DVR.

⚠ CAUTION: Docking station LED indicators

If all three lights on the base of the docking station are on, it indicates a problem. To proceed with your upload, check to make sure your BWX-100 is turned ON and properly seated in the docking station.

Once your BWX-100 successfully connects to your storage server, the words **DES CONNECTED**, as well as the network symbol, are displayed on the LCD screen.



This icon indicates that the BWX-100 is currently connected to the server network

Next, the media files stored on that BWX-100 begin uploading to the server. If there are any updates available on the storage server (BWX-100 setting changes, firmware changes, etc.), that data will also download to your BWX-100. The uploading/downloading process may take several minutes or longer, depending on the size of the files you are uploading.

NOTE: How do I know when uploading is complete?

Your administrator can determine if your media files are finished uploading, by checking the **Free Space** indicator on the **Mobile Devices** page. Once it's solid green, your upload is complete.

3. Once uploading is complete, you may remove your BWX-100 from the docking station.

Charging the BWX-100 DVR

Your BWX-100 comes with an internal, rechargeable battery. When the battery is very low, the words **BATTERY LOW** are displayed on the LCD screen and the **Battery** icon appears empty. To recharge the battery, you can place the DVR:



- In one of the docking stations at your agency's Uplink Station,
- OR-
- In a standalone docking station that's connected to a power source.

NOTE: If you have a magnetic mount, remove the mount first before docking the BWX-100.

In either case, your BWX-100 should always be powered on when you are charging it.

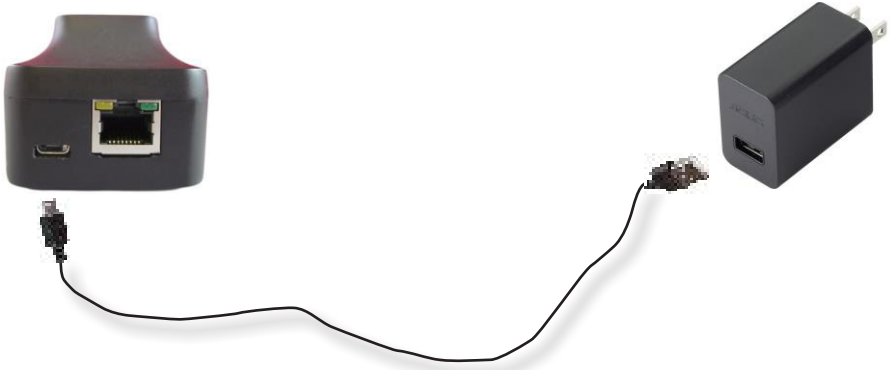
The **Battery** icon shows the approximate charge remaining on your battery. The more lines, the greater your charge.



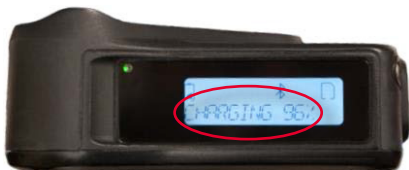
⚠ CAUTION: Removing the battery

Do not attempt to remove the BWX's internal battery yourself. Doing so could void your warranty. When it's time to replace the battery (see guidelines on **page 19**), contact Mobile-Vision Support at 1-800-336-8475.

1. If your DVR is not already powered on, simultaneously press the **Snap/Trace** and **Mute** buttons.
 - If your BWX-100 vibrates/chirps, it indicates that it has successfully powered on.
 - If your BWX-100 does not vibrate/chirp, it indicates that its battery is completely depleted.
2. Perform one of the following tasks:

To...	Do this...
Charge at the Uplink station	Place your BWX-100 in one of the available docking stations at your agency's Uplink Station.
Charge at a standalone docking station	<ol style="list-style-type: none"> 1. Connect the docking station to a power source using the provided cable and A/C adapter. <div style="text-align: center;">  </div> <div style="border: 1px solid orange; padding: 5px; margin: 10px 0;"> <p>⚠ CAUTION: Connecting docking station to power source</p> <p>The smaller end of the cable supplied with your BWX-100 is a micro USB plug. It does not fit into the docking station port on the bottom of your BWX-100. Never attempt to plug this cable directly into the base of your BWX-100!</p> </div> <ol style="list-style-type: none"> 2. Place your BWX-100 in the docking station.

If the BWX-100 DVR's battery is completely depleted, press the **Snap/Trace** and **Mute** buttons again to power it on. Your BWX-100 begins to charge. While your BWX-100 is charging, the LCD screen displays the word **CHARGING**, followed by the current battery charge.



Charging takes anywhere from a few minutes to a few hours, depending on how much of a charge the battery had left in it when you placed it in the docking station.



- Once the word **CHARGED** appears on the LCD screen and the battery icon appears full, you may remove your BWX- 100 from the docking station.



Battery Safety & Usage Guidelines

Battery performance and life will vary based on DVR usage, video resolution, and environmental conditions. As with all batteries, maximum capacity decreases with time and use. To optimize your BWX-100's performance, we recommend that you replace the battery every 12 months.

Battery usage tips:

- Do not mishandle or drop your BWX-100. Doing so could damage it or its battery, cause serious personal injury, or result in smoke or fire.
- Do not charge your BWX-100 using anything other than the factory supplied chargers. Doing so could cause serious personal injury, or result in smoke or fire.
- If there is noticeable damage to your BWX-100, do not attempt to charge it. Doing so could damage it or its battery, cause serious personal injury, or result in smoke or fire. Rather, contact Mobile-Vision Support for assistance at 800-336-8475.
- Never charge your BWX-100 when the unit is above 113° F.
- Replace the battery every 12 months.** To do so, contact Mobile-Vision Support for assistance. Do not attempt to change the battery yourself.
- Avoid exposing your BWX-100 to extreme temperatures for an extended period of time, such as leaving it unattended in a vehicle where the interior or trunk of the vehicle may get very hot or cold. Do not expose your BWX-100 to temperatures above 122° F or below 0° F, as lithium batteries are susceptible to damage in temperature extremes.

Viewing Officer Information

This section describes how to view information on the officer to whom a BWX-100 is currently assigned in DES, including:

- Officer Name
 - Car Number.
- Hold your BWX-100 so that the LCD menu is visible.



- Press the ◀ or ▶ button until **OFFICER INFO** is displayed.
- Press the ↩ button. The words **OFFICER NAME** are displayed.
- To view the officer name, press ↩ again.
– OR –
To view the officer's car number, press the ◀ or ▶ button until **CAR NUMBER** is displayed, then press ↩.
- When you've finished viewing the desired information, press the ↩ button to return to the previous menu.
- To exit the **OFFICER INFO** menu, press the ◀ or ▶ button until the word **BACK** is displayed, then press ↩.

Viewing Your BWX-100 DVR Information

This section describes how to view the BWX-100 DVR's information stored in DES.

1. Hold your BWX-100 so that the LCD menu is visible.



2. Press the ◀ or ▶ button until **DEVICE INFO** is displayed.
3. Press the ◀ button. The words **BATTERY LEVEL** are displayed.
4. To view the battery level, press ◀ again.
– OR –

To view a different piece of information, use the ◀ or ▶ button to display the setting you want to view, then press ◀.
See descriptions in the following table:

Setting	Description
BATTERY LEVEL	The percentage of charge remaining on the BWX-100 DVR's battery.
DAYLIGHT SAVINGS	YES. Your agency is recording in a region that observes daylight savings time. NO. Your agency is recording in a region that does not observe daylight savings time.
TIME ZONE	The time zone in which your agency is recording.
DATE	The date that your BWX-100 is currently set to, e.g., FEB--09--2020 .
TIME	The current local time. It is displayed in HH MM SS format. NOTE: While you are in the TIME field, the seconds segment (SS) will not update.
HW VERSION	The BWX-100 DVR's hardware version, e.g., 01 .
SERIAL NUMBER	The BWX-100 DVR's 10-digit serial number, e.g., 0000000118
BUILD DATE	The date on which your BWX-100 was manufactured, e.g., JAN 01 2018 .
FW VERSION	The firmware version that is currently installed on this BWX-100, e.g., 1.5.99
STORAGE SPACE	The percentage of storage space that remains on the BWX-100 DVR's built-in micro SD card, e.g., 90% LEFT .

5. When you've finished viewing the desired information, press the ◀ button to return to the previous menu.
6. To exit the DEVICE INFO menu, press the ◀ or ▶ button until the word **BACK** is displayed, then press ◀.

Viewing Your BWX-100 DVR's IP Address

This section describes how to view your BWX-100 DVR's IP address. This is a numerical label that is required in order for your BWX-100 to communicate with your storage server. You may occasionally be asked to provide this number to your Agency administrator or Mobile-Vision Support professional.

1. Hold your BWX-100 so that the LCD menu is visible.



2. Press the ◀ or ▶ button until the word **NETWORKING** is displayed.
3. Press the ↩ button. The word **ETHERNET** is displayed.
4. Press ↩ again. The word **STATUS** is displayed.
5. Press the ◀ or ▶ button until the word **CONFIG** is displayed.
6. Press the ↩ button. **DHCP** is displayed.
7. Press the ◀ or ▶ button until **IP ADDR** is displayed.
8. Press ↩ again. The BWX-100 DVR's IP address is displayed.



Performing a Self-Test

The self-test feature performs a series of system checks on your BWX-100.

Perform this procedure when instructed to do so by a Mobile-Vision Support professional.

1. Hold your BWX-100 so that the LCD menu is visible.






2. Press the ◀ or ▶ button until the words **SELF TEST** are displayed.
3. Press the ↩ button. The words **RUN SELF TEST** are displayed.
4. Press ↩ again to begin the test. A series of characters will be displayed on-screen, including the alphabet. This will take approximately one minute. As the test nears its end, your BWX-100 icons will be displayed one at a time.



When the test is complete, your BWX-100 will vibrate/chirp three times and the word **READY** will be redisplayed. Your next step is to review the test status (**PASS** or **FAIL**).

5. Press the ◀ or ▶ button until **SELF TEST** is displayed.
6. Press the ↩ button.
7. Press the ◀ or ▶ button until the word **STATUS** is displayed.
8. Press the ↩ button.
 - If **PASS** is displayed, it indicates that your BWX-100 passed all components of the test. **End of Procedure.**
 - If **FAIL** is displayed, it indicates that your BWX-100 failed one or more components of the test. Your next step is to review the test results.
9. Press the ◀ or ▶ button until the word **BACK** is displayed.
10. Press the ↩ button. The previous menu is redisplayed.
11. Press the ◀ or ▶ button until the word **RESULTS** is displayed.

12. Press the  button.
13. Press the  or  button to scroll through your test results. Share these results with your Mobile-Vision Support professional.

Turning Off the BWX-100 DVR

To turn off your BWX-100 after a shift or recording session, simultaneously press the **Snap/Trace** and **Mute** buttons until your BWX-100 vibrates and the words **SHUTTING DOWN** are displayed on the LCD screen. Your BWX-100 then powers off.



Technical Specifications

BWX-100 DVR Dimensions



Product Specifications

Resolution Standard	Screen Resolution	Field of Vision	Battery Life (while a recording is in progress or Pre-Record is ON)	Record Time (limit based on SD card storage)
480p	960 x 480 Standard definition	123° DFOV* 101° Horizontal 65° Vertical	12.5 hours	53 hours
720p (cropped)	1280 x 720 High definition	90° DFOV 79° Horizontal 44° Vertical	12 hours	20 hours

This table is continued on the next page.

Resolution Standard	Screen Resolution	Field of Vision	Battery Life (while a recording is in progress or Pre-Record is ON)	Record Time (limit based on SD card storage)
720p	1280 x 720 High definition	140° DFOV 129° Horizontal 65° Vertical	11 hours	20 hours
1080p	1920 x 1080 Full high definition		10.5 hours	12.5 hours

*DFOV = Diagonal field of view

FCC Compliance

This equipment radiates radio frequency energy and if not used properly - that is, in strict accordance with the instructions in this manual - may cause interference to radio communications and television reception. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 harmful interference to radio or television 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.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2AOS01M01831

RF Exposure Statement







This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

The transmitters within this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Audio/Visual Indicators

The table on the following page lists the various audio/visual indicators that you will see/hear/feel when you perform various actions with your BWX-100.

Action	Audio/Visual Indicators
Turn BWX-100 on	<ul style="list-style-type: none"> Start of boot: Vibrate 1x End of boot: Vibrate 2x / Chirp 1x / READY
Start recording	Vibrate 1x / Chirp 1x 
Start recording when storage card is nearly full	Chirp 3x / STORAGE FULL 
Start recording when battery level is very low	Chirp 3x / BATTERY LOW 
Stop recording	Vibrate 2x / Chirp 1x / STOPPING RECORDING
Turn Covert mode on	COVERT MODE ON
Turn Covert mode off	Vibrate 2x / Chirp 2x / COVERT MODE OFF
Turn Mute on	Vibrate 1x / Chirp 1x / MIC OFF 
Turn Mute off	Vibrate 1x / Chirp 1x / MIC ON
Insert tracepoint/Capture snapshot	Vibrate 1x
Pair BWX-100 with smart phone or tablet	
Place BWX-100 in docking station connected to a USB power source	Vibrate 1x
Place BWX-100 in docking station connected to server network	Vibrate 1x 
Remove BWX-100 from docking station when battery level is low	Vibrate 3x / Chirp 3x
Run system test	Vibrate 6x / Chirp 3x upon completion of test
Turn BWX-100 off	Vibrate 1x

Service & Support

If your **BWX-100 Body-Worn DVR** is to be returned for service, please visit the Safe Fleet Repair and RMA Procedures page <https://community.safefleet.net/sfle/support/repair/> and follow the Mobile-Vision RMA procedure. An **RMA #** allows the support team to better track your product when it comes in for service. Please show the RMA # on the **outside** of the package.

ANY PRODUCT SENT WITHOUT AN RMA# MAY BE REFUSED!

Documentation and Warranty

Additional copies of this guide along with other documentation and product warranty can be found on the Safe Fleet Community website: <https://community.safefleet.net>

Technical Support

Phone: 1.800.336.8475, option 3

Email: mvisupport@safefleet.net