

Body Worn Video System - User Guide

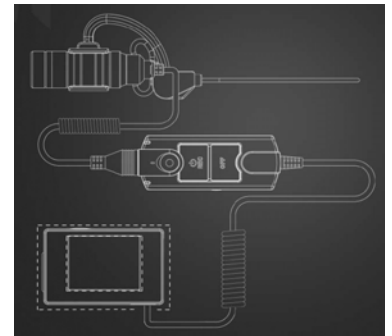
1. System Components

The system is supplied complete with the following:

- | | |
|--|--------------------------------|
| A. Touch screen DVR (including Security Software) | G. Internal solid state memory |
| B. High Definition digital mega pixel head camera | H. USB 2.0 cable |
| C. Ergonomically designed, rugged headband | I. Video / AV cable |
| D. Controller with secondary camera and GPS receiver | J. Mains Power cable |
| E. Rugged rubber outer for DVR | K. Shoulder mount |
| F. Water resistant pouch for DVR | L. Cap/Helmet mount |

2. System Features

- GPS Latitude, Longitude and Velocity burnt into video footage
- Up to 720P High Definition recording
- Digital High Definition mega pixel primary camera
- High Resolution secondary camera built into the controller
- Touch Screen DVR
- Pre-Event Recording
- Solid State memory
- Still image capture
- Audio
- Law enforcement secure, tamperproof password protected files
- IP67 Controller



3. NOTES / WARNINGS

Charging Battery – Prior to first use of the system, charge the battery for a minimum of six hours. When the battery is fully charged, the battery LED on the DVR (RED when charging) will turn OFF.

Changing Settings – Ensure that all recorded video / image files are backed up before changing any system settings. Failure to do so may cause recorded footage/files to be deleted.

Internal Memory – Attempting to gain access to the Internal Memory Card will invalidate the system Warranty.

Cables – Only ever use the supplied charger / cables.

Password Protection – The DVR unit is dispatched without password protection set. When set, the software will not allow access to protected functions without using a password and, therefore, Audax recommend that the password is set (and safely recorded) at the earliest opportunity.

If, after setting, your password is lost, the DVR will have to be returned to be re-set. In that event, a fee will be chargeable and any footage held on the unit might be erased as part of the re-setting process.

4. Views

DVR

Top

- Lock – Activates the touch screen lock
(Illuminates icon at bottom of Main Menu screen)
- USB / AV out socket



Left

- Mains Power connection
- Battery release



Right

- PWR Button – Switches DVR unit ON or OFF
LED illuminates RED when battery is charging
LED illuminates BLUE when system is switched on
- REC – LED Illuminates RED when unit is recording
- Cam In / Digital Cam In – Camera cable connection
LED illuminates BLUE when camera is connected



Bottom

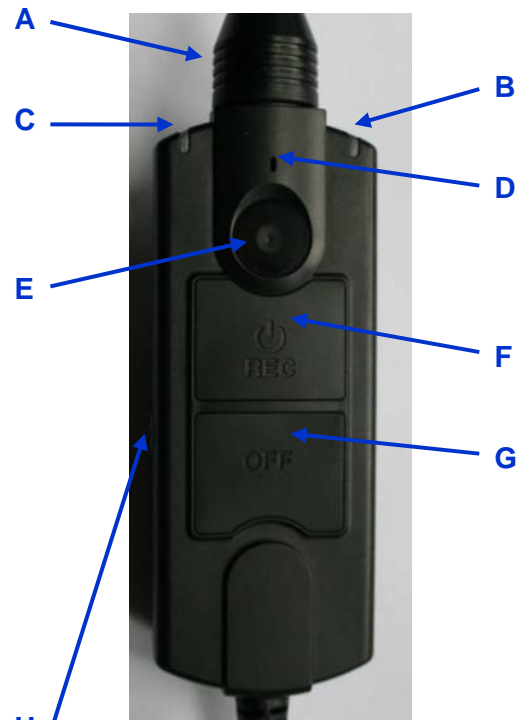
- Camera cable connection



CONTROLLER


The controller contains the secondary camera, GPS Module, Microphone, ON/OFF/RECORD switches, "image capture" button and "unit status" LED Lights.

- Break Point
Head camera can be detached here
- Status LED
Shows BLUE when DVR is ON
- Recording LED
Shows RED when DVR is recording
- Microphone
- Camera
- DVR ON / REC start / REC stop
Press and hold to switch system ON
Press once to commence recording
Press once to cease recording
- DVR OFF – switches system OFF
- IMAGE CAPTURE button



5. General System Operation

Please note that the DVR is a TOUCH SCREEN unit and therefore the user is required to press lightly on the screen when accessing or configuring menus.

1. Connect the CONTROLLER to the DVR via the CAMERA IN sockets on the RIGHT and BOTTOM of the DVR.
2. Connect the Head Camera to the other end of the CONTROLLER cable via the connection at the top of the Controller.
3. Clip on the Head Camera to the HEAD SET.
4. Switch the DVR on. **PLEASE NOTE** – The Power Button on the Right Hand Side of the DVR will only switch the DVR on when the CONTROLLER is NOT connected. With the CONTROLLER connected, use the  / REC button to power on the DVR and the OFF button to turn the DVR off.
5. When the power LED (BLUE on the CONTROLLER) lights up the DVR will boot up and go straight to the MAIN MENU mode (**See the Guide to Menu Options (below) for further details**).
6. Press RECORD / PREVIEW to obtain a live view from the camera. After adjusting the camera position, recording can be commenced by pressing the REC button on the REMOTE SWITCH. When recording, the RED LED lights on the CONTROLLER and DVR will show. The DVR will also vibrate when recording starts.
7. To stop recording, press the REC button (not the OFF button). This will cause the unit to go back into the PREVIEW or PRE-EVENT mode. The DVR will also vibrate when recording stops.
8. When in RECORD, the IMAGE CAPTURE button on the CONTROLLER (shown above) can be pressed to take a still image.
9. By pressing the ESC button on the DVR screen the PREVIEW / PRE-EVENT screen shows.
10. By pressing the ESC button again, the MAIN MENU screen shows.
11. To view the recorded files, select VIDEO. One can navigate to any particular video file using the touch screen. To Playback the file, press the appropriate file name. To return to individual Day File folders, or to quit playback, press the ESC button.
12. By pressing the ESC button repeatedly, one can navigate back to the MAIN MENU.
13. When in RECORD or PREVIEW, it is possible to take a STILL IMAGE using the IMAGE CAPTURE button on the left hand side of the CONTROLLER.
14. To view still images, select IMAGE. One can navigate to any particular image file using the touch screen. To show the image, press the appropriate file name. To quit, press the ESC button. By pressing the ESC button repeatedly, one can navigate back to the MAIN MENU.
15. Use SETTINGS to select / change various settings options.
16. The DVR can be connected to a PC via the AV/ USB out socket using the cable provided.
17. The PC will see the DVR as an external drive. The video files / images can be downloaded on to the PC and deleted from the DVR memory if required. There is no option to delete videos or images from the DVR itself.

6. A Guide to Menu Options

DVR Screen View (Main Menu Icons)

Video / Image / Record / Settings

Other Icons (starting from bottom left)

Storage Capacity Icon – Shows a small circle icon which indicates the available memory left

Time – Shows time set on DVR

Lock – Shows touch screen lock on or off

Timer – Not Used

SD – Shows SD Card installed

Power – Shows remaining power in battery icon: GREEN (Good), ORANGE (Requires recharging) or a RED PLUG icon when the unit is on charge

Video

Video files are stored in their own day folders. This screen shows the most recently recorded files (for playback). Each file will have a DVR ID, Date and Time stamp. Press the ESC icon to return to previous day folders. Press ESC again will return you to the Main Menu.

Image

Image files are stored in the same folders as video files. This screen shows the most recently captured image files. Press the ESC icon to return to previous day folders. Press ESC again will return you to the Main Menu.

Record

The record screen offers two options:

- a. Preview – Live camera view
In this setting, as soon as the REC button is pressed, recording will start from that point
- b. Pre-Event – Either a 15 sec or 30 sec pre-recording (selected in settings)
If Pre-Event is selected, the DVR immediately captures images and puts them in a temporary memory. When the REC button is pressed, the DVR starts recording to the SD card but it also includes the images captured (from temporary memory), for the selected duration before the button was pressed, and stores them.



Settings

User settings/preferences can be made from this screen. A full list of the SETTINGS menus are given in **Section 13** below.

Please see **WARNINGS** before changing any settings.


Other Icons

On either of the PREVIEW or PRE-EVENT screens (live view), the following icons / controls are also available:

ESC	Return to Main Menu
VOL +/-	Adjusts microphone sensitivity / replay volume level
	Enter Settings Menu
	Image Capture
REC	Starts record


7. Replaying recorded footage on the DVR

After footage has been recorded, it can be replayed on the DVR:

1. From the MAIN MENU, select VIDEO
2. Select (press) the correct file for playback
3. The file will commence playback immediately
4. Other icons on-screen during playback include (press screen to show)
 - a. ESC Return to file/folder view
 - b. NEXT Plays next file
 - c. PREV Plays previous file
 - d. VOL +/- Increases / Decreases playback volume
 - e.  Access to playback settings
5. Playback can be controlled using the following icons (press screen to show)
 - a. << Rewind (x2 / x4 / x8 speed)
 - b. >> Fast Forward (x2 / x4 / x8 speed)
 - c. ||> Pause / Play

8. Viewing Image files on the DVR

After an Image has been captured, it can be viewed on the DVR in a similar method to viewing video files:

1. From the MAIN MENU, select IMAGE
2. Select (press) the correct file for viewing
3. Other icons on-screen during image view include (press screen to show)
 - a. ESC Return to file/folder view
 - b. NEXT Plays next file
 - c. PREV Plays previous file
 - d.  Access to playback settings

9. Downloading Files to Computer

- a. Disconnect camera from the DVR Unit. Switch on DVR.
- b. Insert the supplied USB cable into the top of DVR unit (connect to USB / AV OUT slot as listed above) and plug the other end into the computer.
- c. Enter system password (if set). The DVR will show a message: USB MODE.
- d. On the computer, Windows will detect the DVR unit as an external Hard Drive. Select the correct external drive on the folder list (usually named Removable Disk), Select "MyRecord" folder and then select the required day folder, which will show all the recordings made on that day.
- e. Click to open one of the recordings and this will immediately start playing the recording in a movie application (e.g. windows media player / real player / DivX etc).
- f. Any images captured during the day will also show in the Day Folder as JPEG files which can be opened/viewed in standard photo software e.g. Windows Picture viewer.
- g. When connected to a computer via the USB cable, the DVR battery will recharge.
- h. To download the video or image file onto the computer, drag or copy the selected file to its required destination.
- i. When connected to a computer via the USB cable, the DVR battery will recharge.

10. Disconnecting the DVR from a Computer

Do not simply pull out the USB cable at any time!

You must remove/un-mount the DVR from the computer before disconnecting the USB cable to avoid loss of data or freezing. Once all transfers are finished, click on the “Safely Remove Hardware” icon (shown) in the system tray next to the clock and follow any instructions to disconnect the DVR.



11. Security Software / Password Setting

Before setting the Passwords READ NOTES / WARNINGS FIRST (page 1). It is important that the instructions given below are followed correctly.

The DVR unit has Security Software installed, which will allow the setting of different, individual Passwords for controlling access to:

- DVR Startup
- USB Connection to computer
- access to the SETTINGS menu

The process for setting each individual password is the same; however the example given below is for setting the USB connection password):

- a. Switch on unit, go to MAIN MENU and SETTINGS
- b. Navigate to the Password Settings Screen.
- c. Ensure USB CONNECTION PASSWORD is set to OFF
- d. Select SET USB CONNECTION PASSWORD
- e. Create a 1 – 6 digit Password. After each letter/number has been selected, select the RIGHT ARROW to move to the next field
- f. After entering complete password, Select ENTER
- g. You will be asked to re-enter the Password to confirm. Press ENTER on completion
- h. The password is set – **ENSURE YOU KEEP A RECORD OF THE PASSWORD**
- i. Select USB CONNECTION PASSWORD to ON

Changing the Password

To change the recorded password, follow the same instructions above.

12. Additional Information

User Guide – An electronic copy of this guide can be found at:

<http://www.audaxsecurity.co.uk/products/documents/userguide>

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13. Settings

User settings/preferences can be made from these screens. When modifying individual component settings, pressing the ESC icon will return to the main settings menus.

PAGE 1

1. Preview
Changes the settings of PREVIEW files
 - a. Resolution – 1280 x 960 / 1280 x 720 / 1024 x 768 / 720 x 576
 - b. Quality – HIGH / NORMAL / LOW
 - c. Frame Rate – 25 fps
 - d. Audio – ENABLE or DISABLE
 - e. Frame Counter Stamp – ON or OFF
 - f. Timestamp – ON or OFF
 - g. Device ID Stamp – ON or OFF
 - h. Display – LCD / TV / BOTH
 - i. Microphone
 - j. Overwrite – DISABLE / ENABLE

2. Pre-Event
Changes the settings of PRE-EVENT files
 - a. Resolution – 1280 x 960 / 1280 x 720 / 1024 x 768 / 720 x 576
 - b. Quality – HIGH / NORMAL / LOW
 - c. Frame Rate – 25 fps
 - d. Audio – ENABLE or DISABLE
 - e. Frame Counter Stamp – ON or OFF
 - f. Timestamp – ON or OFF
 - g. Device ID Stamp – ON or OFF
 - h. Display – LCD / TV / BOTH
 - i. Microphone
 - j. Overwrite – DISABLE / ENABLE

3. Date & Time
Select Year, Month, Date, Hour and Minute as appropriate

4. Date Format
Can be set to DDMMYYYY or YYYYMMDD

5. Language
Select correct language from drop down menu

PAGE 2

1. Recording Mode
Select either NORMAL, PREVIEW or PRE-EVENT

2. Resume to Pre-set Duration
Select either NO, 15 Sec or 30 Sec

3. Timer recording
Not used

4. Backlight timeout
Can be set to NO, 30 Sec, 1 Min or 3 Min

5. Storage Medium Option
Permanently selected to SD

PAGE 3

1. Storage Information
Gives "Total Space" and "Free Space" information of SD
2. Storage Capacity Icon
Select either ON or OFF to show Icon on Main Screen view
3. Format Memory
Allows the SD Card to be formatted. Select either OK or CANCEL
Warning: Selecting OK will delete all footage stored on the SD. Ensure all footage is copied / backed up before proceeding with this option
4. TV Out Setting
Select either PAL or NTSC (when replaying footage onto a TV)
5. TV Out Adjustment
Not Used

PAGE 4

1. Display
Select LCD, TV or BOTH
2. Playback Mode
Select ALL, NO or SINGLE
3. Video Thumbnail
Select ON or OFF to show Thumbnail in Video menu
4. Image Thumbnail
Select ON or OFF to show Thumbnail in Image menu
5. Start Slideshow
Select ALL or NO

PAGE 5

1. Slideshow Duration
Select 3, 5, 7 or 10 SEC
2. Firmware Upgrade
Shows current Firmware version. Select OK to implement firmware upgrades or CANCEL
Full instructions on carrying out Firmware upgrades will be provided with the software files.
Warning: Selecting OK may delete all footage stored on the SD. Ensure all footage is copied / backed up before proceeding with this option
3. Restore Factory Settings
This will restore the DVR to original Factory Settings. Select OK or CANCEL
Warning: Selecting OK may delete all footage stored on the SD. Ensure all footage is copied / backed up before proceeding with this option
4. Power On Password
Select ON or OFF
5. Set Power On Password
A 1 - 6 character alphanumeric code can be used

PAGE 6

1. USB Connection Password
Select ON or OFF
2. Set USB Connection Password
A 1 - 6 character alphanumeric code can be used
3. Settings Password
Select ON or Off
4. Settings Password Setting
A 1 - 6 character alphanumeric code can be used
5. Create Logs
Select ON or OFF to allow creation of Device History Logs

PAGE 7

1. View Logs
Check Device History Logs
2. Save all logs
Saves Logs
3. Device Information
Give the DVR device Info
4. LED
Select ON or OFF
5. Continuous shot Max
Select NO, 3 or 6

PAGE 8

1. Digital CMOS Low Light Mode
Select ENABLE or DISABLE
2. Digital CMOS Anti-Flicker
Select PAL or NTSC
3. Digital CMOS Calibration
Calibrates Head Camera for low light mode (if set to ENABLE in 1. above)
(Will not calibrate camera in the Controller)
4. Vibration Settings
Select ON or OFF

This product is warranted product against defects in material or workmanship for 1 year from date of purchase. This limited warranty shall not apply to any product item subject to misuse, including static discharge or over charge, failure by user to follow instructions, product modification, ordinary wear and tear, negligent or improper use/operation.

This limited warranty is also voided if is found to have an altered or tampered with serial number.
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Audax Global Solutions Ltd
Plymouth, Devon PL3 4QD
T: +44 (0)1752 264950
F: +44 (0)1752 603087
E: info@audaxit.co.uk
W: www.audaxuk.com