VISTA
XLT™ / WiFi
VEHICLE KIT INSTALLATION AND USER GUIDE
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Introduction

Welcome to the WatchGuard VISTA Vehicle Kit Installation and User Guide. This guide is designed to provide basic information and instructions for installing and using the WatchGuard VISTA Vehicle Kit.

About this document

The VISTA Vehicle Kit Installation and User Guide covers the following topics:

- Preparing for a vehicle installation, including:
  - Pre-install checklist
  - Standard installation parts lists and recommended tools
  - Installation required practices
- Installing WatchGuard equipment in a vehicle, including:
  - Recommended installation workflow
  - VISTA WiFi or VISTA XLT
  - VISTA WiFi Base
  - Smart Power Switch
  - Related components and cables
- Testing the installation
- Using the VISTA Vehicle Kit

This guide contains general recommended instructions for installing and using a WatchGuard VISTA Vehicle Kit system in a vehicle. This document is not an exclusive or comprehensive blueprint for any particular vehicle installation. If you have a question about installing the system in a particular vehicle, contact WatchGuard Customer Service.

Important! This document assumes knowledge of standard 12-volt vehicle installation best practices. It is meant to guide a technician through the specifics of installing WatchGuard equipment.

The images in this document are representative of what you could experience while installing and using the VISTA Vehicle Kit. They are meant to serve as a guide.
Introduction

Related documents and information

For further information related to installing or using WatchGuard equipment in a vehicle that is not covered by the VISTA Vehicle Kit Installation and User Guide, see the following documents:

- VISTA HD Wearable Camera User Guide
- WatchGuard Bracket Guides
- EvidenceLibrary.com Online Help
- Evidence Library 4 Web User Guide
- 4RE In-Car DVR User Guide
- 4RE Vehicle Installation Instructions
- Evidence Library Express 3.5 User Guide

Installation training

WatchGuard offers factory training courses several times per year for installers to become certified in WatchGuard equipment installation. For more information and to register, go to http://watchguardvideo.com/training.
Preparing for the Installation

_In this section..._

- Pre-installation checklist (page 9)
- Standard installation parts list examples (page 10)
- Recommended tools list (page 11)
- Installation required practices (page 12)
Preparing for the Installation

Overview

This section includes information to help you prepare for the in-vehicle installation of the VISTA Vehicle Kit and its related components. The section includes:

- **Pre-installation checklist**: Complete the items on this checklist before starting the installation (page 9)
- **Standard installation parts lists**: Contains an example parts list for a standard VISTA WiFi or VISTA XLT vehicle installation (page 10)
- **Recommended tools list**: Shows a list of tools, including some specialized items, you should have at hand before beginning the installation (page 11)
- **Installation required practices**: Lists a number of best practices that WatchGuard requires you to follow as you perform the vehicle installation (page 12)
Before Installing the VISTA Vehicle Kit in a Vehicle

You can use the following checklist to help you prepare for a successful VISTA Vehicle Kit installation:

☐ Prepare to document the installation for a first-time vehicle (year and/or model), as applicable
☐ Gather all necessary tools for the installation (page 11)
☐ Remove any old video equipment, as applicable
☐ Verify that you have received all the components for the VISTA Vehicle Kit that you are installing (page 10)

Note: If you have any missing or damaged parts, contact WatchGuard Customer Service.

☐ Make sure the mounting brackets are the correct type for the specific vehicle

Note: When installing brackets, follow the instructions included with the bracket. If you need a copy of the bracket instructions, contact WatchGuard Customer Service.

☐ Determine the installation locations for all components (including brackets and cables)
☐ Determine the wire connection points, for example, vehicle battery location, emergency light input, auxiliary input, brake input
☐ Roughly lay out the main components in their installation locations to test positioning
☐ Read through the Installation Required Practices (page 12) and add them to your installation plan
Standard Parts List

Note: The following parts list is included as an example. Your installation equipment order includes the actual parts list for your installation. If you need additional parts, contact WatchGuard Customer Service.

The following table lists the standard parts included for a VISTA Vehicle Kit installation:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WGA00600</td>
<td>VISTA HD, WiFi Extended Wearable Camera</td>
</tr>
<tr>
<td>OR</td>
<td>VIS-XLT-WIF-001</td>
<td>VISTA XLT Wi-Fi System Body-Mounted Camera Kit</td>
</tr>
<tr>
<td>OR</td>
<td>VIS-XLT-WIF-002</td>
<td>VISTA XLT Wi-Fi System Head-Mounted Camera Kit</td>
</tr>
<tr>
<td>1</td>
<td>WGA00586</td>
<td>WiFi Base Assy</td>
</tr>
<tr>
<td>1</td>
<td>WGA00574</td>
<td>Smart PoE Switch Assy</td>
</tr>
<tr>
<td></td>
<td>WGP02560-KIT, VISTA Vehicle Trigger Kit</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>WGP02493</td>
<td>Cable assembly, RJ50 10P10C, Straight, VISTA WiFi to SPS</td>
</tr>
<tr>
<td>1</td>
<td>WGP02495</td>
<td>Cable assembly, Power, Smart POE Switch</td>
</tr>
<tr>
<td>1</td>
<td>WGP02504</td>
<td>Antenna, Windshield mount, 2.4GHz, 1m, VISTA WiFi Base</td>
</tr>
<tr>
<td>1</td>
<td>WGP01573-400</td>
<td>Cable, Antenna extension, 12 ft, VISTA WiFi Base</td>
</tr>
<tr>
<td>1</td>
<td>WGP02560-100</td>
<td>Cable assembly, External inputs, DB15</td>
</tr>
<tr>
<td>1</td>
<td>WGP584-102</td>
<td>Cable Assy, Fused, +12V, 7.5 Amp</td>
</tr>
<tr>
<td>1</td>
<td>WGP582-002</td>
<td>Fuse, 7.5 Amp</td>
</tr>
<tr>
<td>1</td>
<td>WGP584-103</td>
<td>Cable assembly, Battery ground, 16 AWG, 16”</td>
</tr>
<tr>
<td>1</td>
<td>WGP02225-202-KIT</td>
<td>Bracket Kit, Wi-Fi Base, Universal w/ screws</td>
</tr>
<tr>
<td>1</td>
<td>WGP02225-203-KIT</td>
<td>Bracket, VISTA WiFi base Universal, All-In-One, with Screws</td>
</tr>
<tr>
<td>1</td>
<td>WGD00161</td>
<td>Document - VISTA Vehicle Kit Installation and User Guide</td>
</tr>
</tbody>
</table>
Recommended Tools

The following tools are recommended for installing the VISTA Vehicle Kit and its related components in a vehicle:

- 10-30 feet of 16-20 gauge primary wire for extending input cable connections if necessary
- Wire strippers
- Wire crimpers
- Various wrenches and sockets
- Pliers
- Utility knife
- 3M™ Scotch® Super 33+™ tape (or other high-quality electrical tape) and/or heat-shrink tubing
- Zip ties
Preparing for the Installation

Installation Required Practices

**Important!** These practices are required by WatchGuard. Using them helps you have a more successful installation experience.

Cables

If you move a system from one vehicle to another, order and install new cables. Pulling cables in the vehicle can be difficult and can damage the cables.

Connections

- Always butt-splice and crimp wire connections

  **Important!** DO NOT use 3M™ ScotchLok™ or similar types of connectors.

- Use 3M Scotch® Super 33+™ tape (or other high-quality electrical tape) to cover any soldered electrical connections

Installation location

Install the Smart Power Switch in a location where cable connections are accessible for maintenance, for example, mounted on the cage behind the seat.

Power

Wire power to the battery. The battery is the cleanest source of power in the vehicle.
Installing the VISTA Vehicle Kit

In this section...

- Recommended installation workflow (page 15)
- Installation information and procedures for:
  - Smart Power Switch (page 16)
  - VISTA WiFi Base (page 17)
  - Connecting the system to external inputs (page 18)
  - Connecting power to the Smart Power Switch (page 19)
- Testing the VISTA Vehicle Kit installation (page 21)
Installing the VISTA Vehicle Kit

Overview

This section includes a full system installation workflow (page 15). WatchGuard recommends that you follow this workflow for best results.

It also includes subsections for installing the following components:

- Smart Power Switch (page 16)
- VISTA WiFi Base (page 17)
- Connecting the system to external inputs (page 18)
- Connecting power to the Smart Power Switch (page 19)

The final subsection provides instructions for testing the VISTA Vehicle Kit installation (page 21).

For information on using the VISTA Vehicle Kit, see Using the VISTA Vehicle Kit on page 23.
Recommended Installation Workflow

The following steps make up a recommended workflow for installing the VISTA Vehicle Kit:

⚠️ **Warning!** Only connect cables when this workflow instructs you to. Connecting cables out of sequence can damage components.

1. Complete all items in the *Before Installing the VISTA Vehicle Kit in a Vehicle* checklist (page 9).
2. Remove vehicle panels.
3. Remove cables from their packaging, and roughly lay them throughout the vehicle to verify routing and length.

>Note: Contact WatchGuard customer service for longer cables.

4. Mount the Smart Power Switch according to your installation plan but DO NOT connect cables to it yet (page 16).
5. Install the VISTA WiFi Base and its related components (page 17):
   a. Position and install the VISTA WiFi Base antenna on the windshield.
   b. Mount the VISTA WiFi Base bracket and attach the VISTA WiFi Base to it.
   c. Connect the VISTA WiFi Base antenna cable to the VISTA WiFi Base.
   d. Connect the VISTA WiFi Base cable to the base, run it to the Smart Power Switch, then connect it to the **Base 1** connector port on the switch.
6. Install the external inputs cable (page 18):
   a. Run the Smart Power Switch connector end of the external inputs cable to the Smart Power Switch location, but DO NOT connect the cable to the switch.
   b. Run the external inputs cable to the best location for the vehicle, according to your installation plan.
   c. Connect each remaining sense wire in the external inputs cable to the corresponding external device input wire, as needed. (page 18)
   d. Connect the Smart Power Switch connector end of the external inputs cable to the Smart Power Switch.
Installing the VISTA Vehicle Kit

7. Install the Smart Power Switch power cable (but DO NOT insert the 7.5 amp fuse in the fuse holder) (page 19).
   a. Position the Smart Power Switch end of the power cable near the Smart Power Switch location, but DO NOT connect it to the switch.
   b. Run the power cable to the battery location.
   c. Connect the red and black wire extensions to the red and black wires in the power cable.
   d. Connect the red and black ring terminals to the appropriate battery connections, but DO NOT insert the 7.5 amp fuse in the fuse holder.
   e. Connect the Smart Power Switch power cable to the +12 VDC connector port on the switch.

8. Insert the 7.5 amp fuse into the Smart Power Switch power cable fuse holder.

9. Test the installation (page 21).

Installing the Smart Power Switch

The Smart Power Switch is required as part of the VISTA Vehicle Kit. The Smart Power Switch:

- Functions as the connection point for power and external inputs
- Notifies the local network that an auto-start external input was activated
- Intelligently manages power
- Functions as the local network DHCP server

Typically you mount the Smart Power Switch in an easily accessible location, for example, on the cage behind the front seats.

To install the Smart Power Switch:

1. Mount the switch according to your installation plan, but DO NOT connect any cables.

   **Important!** Only connect cables when the full installation workflow on page 15 instructs you to. Connecting cables out of sequence can damage components.

2. After running the VISTA WiFi Base cable (and when instructed to do so in the full installation workflow on page 15), connect the base cable to the Base 1 connector port on the Smart Power Switch.

3. After running the external inputs cable to the Smart Power Switch location and connecting the external input sense wires to the corresponding external device input wires (and when instructed to do so in the full installation workflow on page 15), connect the external inputs cable to the Ext Input connector port on the Smart Power Switch.
4. When instructed to do so in the full installation workflow on page 15, install the Smart Power Switch power cable (page 19).

Once installed, the Smart Power Switch remains in a low power state when the ignition is off.

**Tip:** If you plan for a vehicle to remain idle for more than a week, remove the 7.5 amp fuse from the Smart Power Switch power cable. The Smart Power Switch may eventually drain the vehicle battery if the fuse is not removed.

Remember to reinstall the fuse before you use the vehicle again.

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### Installing the VISTA WiFi Base

The VISTA WiFi Base is required as part of the VISTA Vehicle Kit. The VISTA WiFi Base:

- Pairs with the VISTA WiFi or VISTA XLT camera so the camera can associate with a local recording group
- Acts as a Wi-Fi® access point (hotspot) for the VISTA WiFi or VISTA XLT camera

You should mount the VISTA WiFi Base in an accessible location, for example, on the back of the console. The WiFi Base universal bracket can be mounted in almost any location in the vehicle, as needed.

To install the VISTA WiFi Base:

1. Position and install the VISTA WiFi Base antenna on the windshield inside the vehicle.

   **Tip:** For best performance, install the VISTA WiFi antenna, at least 2 to 3 inches away from any metal, in the upper center area of the windshield.

2. Install the VISTA WiFi Base bracket and attach the VISTA WiFi Base to it.

3. Run the VISTA WiFi antenna cable to the VISTA WiFi Base and connect it.
Installing the VISTA Vehicle Kit

4. Connect the VISTA WiFi Base cable to the VISTA WiFi Base then run it to the Smart Power Switch location.

5. When instructed to do so in the full installation workflow on page 15, connect the VISTA WiFi Base cable to the Base 1 connector port on the Smart Power Switch.

Connecting the External Inputs Cable

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**Warning!** Only connect cables when the full installation workflow on page 15 instructs you to. Connecting cables out of sequence can damage components.

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The external inputs cable connects the Smart Power Switch sense wires to various external device inputs, for example, ignition, siren, and door switch.

The sense wires in the external inputs cable monitor the external device inputs for voltage (8-12 volts) and no voltage (0 volts). When an external input wire senses voltage from an external device, the Smart Power Switch informs VISTA WiFi or VISTA XLT so it can start a recorded event, if configured to do so in the agency's Evidence Library software.

The presence of voltage on the sense wire also signals to the system to add the external device activation information to the metadata file.

Connect each sense wire in the external inputs cable to the corresponding external device input wire:

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**Tip:** Where possible, use butt splices when you connect the wires to ensure good connection and consistent voltage.

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- **Ignition (white):** The white wire senses whether the ignition is on or off
  
  Connect the white wire to a feed (switched ignition accessory wire) that provides positive 12 volts when the vehicle ignition is ON and 0 volts when the vehicle ignition is OFF. A fuse link with a 1-amp fuse is provided to connect the ignition feed with the ignition sense wire from the external inputs cable.

- **Emergency lights (blue with white stripe):** The blue wire with the white stripe senses whether the emergency lights have been activated
  
  Connect the blue wire with the white stripe to a positive 12-volt switched power source that provides voltage when the emergency lights are activated.
Installing the Smart Power Switch Power Cable

**Note:** Some manufacturers of older-type light bars use negative 12 volt or ground triggers. In those cases, you may need to incorporate an additional relay into the wiring scheme to provide positive 12 volt power to the external input wire.

- **Siren (red):** The red wire senses whether the siren has been activated. Connect the red wire to a source that provides positive 12-volt switched power when the siren is activated.

- **Auxiliary (solid blue):** The solid blue wire senses whether an auxiliary device has been activated. If an auxiliary device is to be used, connect the solid blue wire to a source that provides positive 12-volt switched power when the auxiliary device is activated, for example, when the driver’s side vehicle door (equipped with a sensor) is opened or an electric release button is pressed on a shotgun mount.

- **Brake input (black with white stripe):** The black wire with the white stripe senses whether the brakes are being applied. Connect the black wire with the white stripe to a positive 12-volt switched power source that is activated when the brake pedal is applied. (When the brakes are applied, the wire should get 12 volts.)

**Tip:** Each of the sense wires in the external inputs cable is labeled with the name of the external device input it should connect to. If you need to cut the cable (for example, because it is too long for the space you have), bind the cut labeled ends together and save them to serve as the key for the connections.

Installing the Smart Power Switch Power Cable

**Warning!** Only connect cables when the full installation workflow on page 15 instructs you to. Connecting cables out of sequence can damage components.

When you install the Smart Power Switch power cable, connect it directly to the vehicle battery.

To install the Smart Power Switch power cable:

1. Route the power cable to the battery location.

   **Important!** Use the firewall holes and grommets provided by the vehicle manufacturer to route the cable to the battery.

2. Pull the power cable, including any excess cable, toward the vehicle battery, leaving some slack for a drip loop.
Installing the VISTA Vehicle Kit

3. Either wind up and tie off or cut the excess power cable.
4. Strip back the sheath on the power cable and its red (positive) and black (ground) wires.

5. Crimp the black (ground) wire to the provided black (ground) wire extension with the attached ring terminal.

   Tip: Use butt splices when you connect the wires to ensure good connection.

6. Crimp the red (positive) wire to the provided red (positive) 7.5 amp fuse holder with the attached ring terminal but DO NOT insert the 7.5 amp fuse in the fuse holder.
7. Connect the red (positive) and black (ground) ring terminals to the appropriate battery connections.
8. When instructed to do so in the full installation workflow on page 15, connect the Smart Power Switch power cable to the +12 VDC connector port on the Smart Power Switch.
9. When instructed to do so in the full installation workflow on page 15, insert the 7.5 amp fuse.

   Warning! DO NOT insert the 7.5 amp fuse until you have finished installing and connecting all the system equipment. Inserting the fuse before you have finished the full installation can damage the system.
Testing the VISTA Vehicle Kit Installation

To test that all components are properly installed and connected:

1. Power on the system.

   Note: The system may power on automatically when you insert the 7.5 amp fuse.

2. Verify that both the Smart Power Switch and the VISTA WiFi Base have power:
   a. The switch shows power through light activity on its ports.
   b. The base shows power through its LEDs.

   Note: The system takes 60 to 90 seconds to fully boot up.

3. Wait for the system to fully boot up (60 to 90 seconds).

4. Dock the VISTA WiFi or VISTA XLT camera in the WiFi Base and allow the camera and base to pair with each other.
   The WiFi Base left LED blinks green several times when the camera and base have paired.

5. Verify that the VISTA WiFi or VISTA XLT camera is in communication with the WiFi Base:
   a. Undock the camera.
   b. Wait 30 seconds while the camera runs through its information sequence on the display.
   c. Verify that the Wi-Fi Signal Strength icon shows on the display.

6. If the camera has already been configured by the agency’s Evidence Library software, verify that it starts a recorded event when one of the connected external inputs activates, for example, emergency lights/siren or the driver’s side door opens.

For more information about...

Using VISTA WiFi or VISTA XLT as part of the VISTA Vehicle Kit, see Using the VISTA Vehicle Kit on page 23.

VISTA WiFi or VISTA XLT behavior in general, see the VISTA HD Wearable Camera User Guide.

Configuring VISTA WiFi or VISTA XLT cameras, see the agency’s Evidence Library software documentation.
Installing the VISTA Vehicle Kit

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Using the VISTA Vehicle Kit

*In this section...*

- Powering the system on and off (page 24)
- Auto-start record settings (page 25)
- Recording groups (page 27)
Overview

The VISTA Vehicle Kit includes the following equipment, joined together with either wired or wireless connections:

- One or more VISTA WiFi or VISTA XLT cameras
- One VISTA WiFi Base
- One Smart Power Switch

For instructions how to install the equipment for the VISTA Vehicle Kit, see *Installing the VISTA Vehicle Kit* on page 13.

For the most part, using VISTA WiFi or VISTA XLT with the VISTA Vehicle Kit is just like using the camera in any other context. There are three main areas where there are differences:

- Powering the system on and off (below)
- Using auto-start record settings (page 25)
- Forming and being a part of a recording group (page 27)

For more information about the VISTA WiFi and VISTA XLT cameras, WiFi Base, and how they can interact with the Smart Power Switch, see the *VISTA HD Wearable Camera User Guide*.

### Powering the VISTA Vehicle Kit System On and Off

The VISTA Vehicle Kit powers on and off with the vehicle ignition.

**Note:** The Smart Power Switch remains at low power when the ignition is off.

**When you turn on the ignition**, the Smart Power Switch wakes up then signals the VISTA WiFi Base to power on. If the VISTA WiFi or VISTA XLT is docked in the WiFi Base, the base signals the camera to power on. The system takes about 60 to 90 seconds to fully power on.

**When you turn off the ignition**, the Smart Power Switch signals the WiFi Base to power off, then the switch begins to power itself down to the low power state. If the VISTA WiFi or VISTA XLT camera is docked in the WiFi Base, the base signals the camera to power off as well. The system takes about 60 seconds to fully power off.

**Tip:** If you plan for a vehicle to remain idle for more than a week, remove the 7.5 amp fuse from the Smart Power Switch power cable. The Smart Power Switch may eventually drain the vehicle battery if the fuse is not removed.

*Remember to reinstall the fuse before you use the vehicle again.*
Auto-Start Record Settings

When using the VISTA Vehicle Kit, your agency can configure the system (using its Evidence Library software) to automatically start a recorded event on VISTA WiFi or VISTA XLT when certain inputs are activated. With the VISTA Vehicle Kit, three inputs can be set up to automatically start an event:

- Emergency lights
- Emergency siren
- Auxiliary input, for example, a vehicle door opening, a dog kennel opening, or removal of a gun from a rack

When you activate one of these inputs (for example, turn on the lights or siren), the Smart Power Switch registers the activation then notifies your VISTA WiFi or VISTA XLT that the input was activated. The camera then starts a recorded event, according to its configuration.

For more information about...

Installing the external inputs cable for the VISTA Vehicle Kit, see Connecting the External Inputs Cable on page 18.

Configuring the auto-start record settings for the VISTA Vehicle Kit, see your agency’s Evidence Library software documentation.

Auto-start recording delay

When your agency configures the auto-start record inputs for the VISTA Vehicle Kit, it can set up a record-start delay to use with one or more of the inputs. The delay can be 3, 5, or 10 seconds.

**Note:** The amount of time set for a record-start delay applies to all the inputs that use a delay. One amount of time cannot be set for one record-start input and another amount of time for another input.

When an input that has a delay applied is activated, the VISTA WiFi or VISTA XLT camera delays the start of a recorded event by the set amount of time. As soon as the input activates, the camera starts counting down the set delay time. Once the delay time has passed, if the input is still active, the camera starts the recorded event.
Using the VISTA Vehicle Kit

For example, your agency has the emergency siren set up as an auto-start record input with a 5 second delay. What happens when you:

- Turn on the siren then immediately turn it off?
  VISTA WiFi or VISTA XLT does not automatically start an event because the activation/deactivation occurred within the 5 second delay period.
- Turn on the siren and leave it on?
  Once 5 seconds have passed (the delay period), the camera automatically starts an event.

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**Warning!** Typically, VISTA WiFi and VISTA XLT do not record video or audio during the delay period. For more information, see Video and audio during the delay period below.

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**Video and audio during the delay period**

**VISTA WiFi and VISTA XLT do not record video** during the delay period for an auto-start record input UNLESS the agency has enabled pre-event and/or Record-After-the-Fact® (RATF) on the camera.

**VISTA WiFi and VISTA XLT do not record audio** during the delay period UNLESS the agency has enabled pre-event and/or RATF AND has chosen to force the camera's microphone on all the time.

For information about pre-event, RATF, and forcing the camera's microphone on, see the *VISTA HD Wearable Camera User Guide*. 
Recording Groups

A recording group is a network of associated devices communicating with each other whenever one of them changes its event status. A recording group is typically linked to a vehicle.

When you use VISTA WiFi or VISTA XLT as part of the VISTA Vehicle Kit, you can form a recording group if you have at least two cameras paired with a vehicle's VISTA WiFi Base.

Members of the recording group

A local recording group using the VISTA Vehicle Kit includes the following members, joined together with either wired or wireless connections:

- Smart Power Switch
- VISTA WiFi Base
- Two or more VISTA WiFi or VISTA XLT cameras

For information about installing the VISTA Vehicle Kit equipment for the recording group, see *Recommended Installation Workflow* on page 15.

**Smart Power Switch**

As part of the local recording group network, the Smart Power Switch:

- Functions as the connection point for power and external inputs
- Notifies the recording group network that an auto-start record input was activated
- Intelligently manages power
- Functions as the local network DHCP server

With the VISTA Vehicle Kit, the Smart Power Switch is required. There can only be one Smart Power Switch in a recording group.
Using the VISTA Vehicle Kit

**VISTA WiFi Base**

As part of the local recording group network, the VISTA WiFi Base:

- Pairs with the VISTA WiFi or VISTA XLT cameras
- Acts as an 802.11n Wi-Fi® access point (hotspot) to VISTA WiFi or VISTA XLT cameras paired with it

The WiFi Base connects to the recording group network with a wired connection into the Smart Power Switch. It also connects (wired connection) to a windshield antenna that allows it to communicate wirelessly with VISTA WiFi or VISTA XLT.

With the VISTA Vehicle Kit, the VISTA WiFi Base is required. There can only be one WiFi Base in a recording group.

**VISTA WiFi or VISTA XLT**

As part of the local recording group network, the VISTA WiFi or VISTA XLT camera:

- Pairs with the VISTA WiFi Base
- Initiates group events
- Responds to group-event starts by other VISTA WiFi or VISTA XLT cameras

VISTA WiFi and VISTA XLT connect to the recording group network with a wireless connection to the base.

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**Important!** If VISTA WiFi or VISTA XLT has moved out of range of its associated recording group network, it does not receive notifications of group event starts until it is back in range.

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VISTA WiFi and VISTA XLT can also provide a wireless access point (hotspot) for the VISTA SmartConnect smartphone application. For information about connecting the SmartConnect application with VISTA WiFi or VISTA XLT, see the *VISTA HD Wearable Camera User Guide*.

With the VISTA Vehicle Kit, at least two cameras are required to form a recording group.

**Group events**

When you dock the VISTA WiFi or VISTA XLT camera in a VISTA WiFi Base, the camera pairs with the WiFi Base. This pairing allows the camera to associate with the local recording group.

When VISTA Vehicle Kit devices are associated with each other in a recording group, the devices can collaborate to start and stop their recorded events together. This collaboration creates a group event: multiple devices in the same recording group creating individual recorded events of the same incident. Combined into the group event, the individual events from different perspectives create a more comprehensive view of the incident.

Starting a recorded event on one VISTA WiFi or VISTA XLT in a recording group alerts the other cameras in the group that there has been a change in event status on that first camera. In response, the other cameras in the group choose to start (or not start) an event, each according to its own configuration.
VISTA WiFi or VISTA XLT behavior during a group event

Each device in the recording group network decides whether to create a recorded event for the group event, according to its own configuration.

Each VISTA WiFi or VISTA XLT can only stop its own event when the user presses the Record Start/Stop button.

When a group event is uploaded to your Evidence Library software, the individual events are automatically linked together as a group event. Your agency's Evidence Library software can play back the events from the group event synchronized in time. For example, the Evidence Library software can play back video from a VISTA WiFi camera in the recording group with audio from a VISTA XLT camera in the group.

VISTA WiFi or VISTA XLT behavior during a group event

Any of the VISTA WiFi or VISTA XLT cameras in the recording group can start a group event. The other cameras in the group are informed of that change in event status, so they can join in the group event, according to their individual configurations.

What happens when:

- You try to manually start a recorded event on VISTA WiFi or VISTA XLT just after it has automatically started an event as part of a group event?
  
  If you have pressed the Record Start/Stop button within 10 seconds of the automatic group event start, the camera asks you to confirm that you want to STOP the recorded event with your Record Start/Stop button press. If you do not press the Record Start/Stop button again within 5 seconds, the camera continues recording the event as part of the group event.
  
  If you press the button a second time within 5 seconds, the camera stops the event.

Because VISTA WiFi and VISTA XLT connect to the recording group with a Wi-Fi connection (through the WiFi Base), VISTA WiFi and VISTA XLT can move into and out of the recording group range.

What happens when:

- The VISTA WiFi or VISTA XLT that initiated the group event moves out of range during the group event?
  
  All the devices in the recording group keep recording until each individual member stops its own event. The initiating device moving out of range does not affect the other devices' ability to start and stop their own events.
  
  The VISTA WiFi or VISTA XLT that went out of range keeps recording the event until it is manually stopped. A device moving out of range does not affect its ability to start and stop its own events.

- A VISTA WiFi or VISTA XLT that is part of a group event moves out of range during the group event?
  
  The camera keeps recording the event until it is manually stopped. A device moving out of range does not affect its ability to start and stop its own events.

- A VISTA WiFi or VISTA XLT that is not currently recording an event walks into range of an associated recording group network during a group event?
  
  When the camera moves into range, it is informed that its associated group has started a group event. It then can begin its own event to join the group event, according to its configuration.
Using the VISTA Vehicle Kit

- A VISTA WiFi or VISTA XLT that is currently recording an event walks into range of an associated recording group network that is not in a group event?

  When the camera moves into range, it informs its associated group that it is recording an event. The other devices in the group can begin their own events to create a group event, according to their configurations.

For more information on using VISTA WiFi or VISTA XLT and the VISTA WiFi Base, see the VISTA HD Wearable Camera User Guide.
Appendix: Cellular LTE Upload from the Vehicle

WatchGuard supports uploading recorded events to Evidence Library 4 Web (EL4 Web) or EvidenceLibrary.com (EL) over a cellular connection using the following cellular routers:

- Sierra Wireless® AirLink® MG90 High Performance Multi-Network Vehicle Router
- Cradlepoint COR IBR900 LTE router

Please see the manufacturer's instructions for installing the router in the vehicle.

WatchGuard also supports upload over a cellular connection that does not require a stand-alone LTE router. Supported configurations include:

- LTE-capable MDC (mobile data computer) or laptop
- MDC/laptop with a USB dongle LTE modem attached
- MDC/laptop with an LTE MiFi device attached

For information about setting up a system for cellular upload, contact WatchGuard Customer Service.
Appendix: Cellular LTE Upload from the Vehicle

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