

VIDEOMANAGER: WI-FI PROFILE MANAGEMENT

PREREQUISITES

This document assumes that:

- You are an administrator who is familiar with the VideoManager system already.
- You have already connected body-worn cameras to VideoManager.
- You have already configured users, roles, and groups.

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WHAT ARE WI-FI PROFILES?

Wi-Fi profiles are the mechanism which dictate how body-worn cameras connect to Wi-Fi networks in the field, for streaming or video offloading purposes.

They are a collection of Wi-Fi networks, which the body-worn camera will attempt to connect to while it is in the field. For example, if an office has four separate Wi-Fi networks, all four could be contained within one Wi-Fi profile. Any body-worn cameras using the Wi-Fi profile would attempt to connect to the four networks, one by one, until it connects successfully.

WHAT IS A USER-SPECIFIC WI-FI NETWORK?

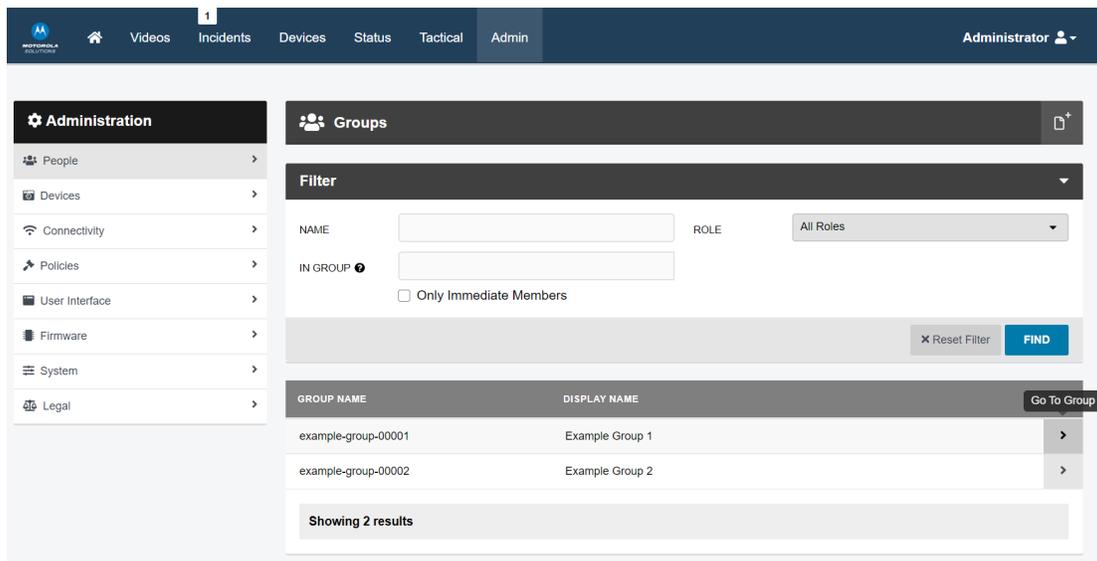
A normal Wi-Fi network is part of a Wi-Fi profile. The Wi-Fi profile will be applied to a body-worn camera, and all users can utilize the network(s) within it to offload or live stream footage.

A user-specific Wi-Fi network is also part of a Wi-Fi profile. However, unlike normal Wi-Fi networks, user-specific networks can only be utilized by specific users or groups on VideoManager. This is useful if a home worker wants to stream footage over their private Wi-Fi network, but doesn't want every other user on VideoManager to have access to its details.

HOW DO I CREATE A USER-SPECIFIC WI-FI NETWORK?

If you will be creating user-specific Wi-Fi networks, you should do so before creating any Wi-Fi profiles. To create a new user-specific Wi-Fi network for a user (e.g. for a lone worker) or a group (e.g. if there is a group for workers in a satellite office):

- Navigate to the **Admin** tab.
- Select the **People** pane.



- Click the **Users** or **Groups** section.
- Click **Go to user** or **Go to group** next to the relevant user or group.

- In the **Wi-Fi Networks** pane, click **Add network**.

New User-specific Wifi Network

SSID*

SECURITY TYPE **WPA2-PSK**

PASSPHRASE*

BAND **Any**

USE STATIC IP

DISCONNECT ON LOW SIGNAL

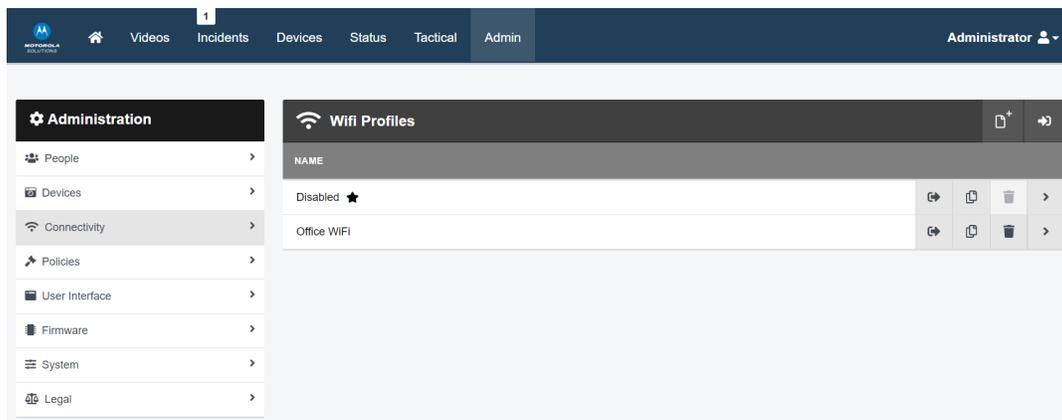
HIDDEN NETWORK

- Enter the details for the user-specific Wi-Fi network. If this is a static Wi-Fi network, its details can be found on the router, or provided by your network administrator. If this is a mobile hotspot, its details can be found on the relevant user’s mobile phone.
- Click **Add**.
- Click **Save User** or **Save Group**.

HOW DO I CREATE A WI-FI PROFILE?

Once you have optionally created your user-specific Wi-Fi networks, you can create Wi-Fi profiles and add both user-specific and normal networks to them. To do so:

- Navigate to the **Admin** tab.
- Select the **Connectivity** pane.
- Click the **Wi-Fi Profiles** section.



- Click **Create Wi-Fi profile**.

- In the **Name** field, enter the name of the Wi-Fi profile.
- If **Default Profile** is set to **On**, this will be the Wi-Fi profile applied to all body-worn cameras on VideoManager once assigned to operators. Administrators can still override this default if the body-worn cameras have been assigned with **Single Issue** or **Permanent Issue**.
- If **User-specific Networks** is set to **On**, an operator's user-specific Wi-Fi networks will be added to this Wi-Fi profile automatically once the body-worn camera has been assigned to them.
- To add a normal Wi-Fi networks to this profile, click **Add Network**, and enter the network's information.
- From the **Band** dropdown, select the band that body-worn cameras using this Wi-Fi network will use. The options are as follows:
 - **Any** - this band is appropriate for both VB400s and VT100s.
 - **2.4GHz only** - this band is appropriate for both VB400s and VT100s.
 - **5GHz only** - this band is only appropriate for VB400s.

PLEASE NOTE: All networks in a Wi-Fi profile will be accessible by any body-worn cameras who receive the Wi-Fi profile itself. The specific network which a body-worn camera uses for streaming will depend on its suitability (e.g. whether the body-worn camera can use the specified band).

- If **Enable streaming** is set to **On**, all VT-series cameras which have this Wi-Fi profile applied to them can live stream over this network.
- Set **Enable docking** to **Off**, unless instructed to do otherwise by Motorola Solutions.

PLEASE NOTE: You must enable VT-series camera streaming and docking for individual networks within the Wi-Fi profile.

- If you have added multiple individual networks to the Wi-Fi profile, use the arrows to reorder them. The network at the top of the list will be the one that the body-worn camera attempts to connect to first. If it cannot connect to the first network, it will try to connect to the second network, and so on.
- If **Enable streaming** and **Download video over Wi-Fi** are set to **On**, all VB-series cameras which have this Wi-Fi profile applied to them can live stream and offload footage over **any** of the networks in the profile.

PLEASE NOTE: If the VB-series camera can place bookmarks in the field (as dictated by their device profile), only bookmarked footage will be downloaded over Wi-Fi. If not, all footage will be downloaded over Wi-Fi.

- Click **Save profile**.

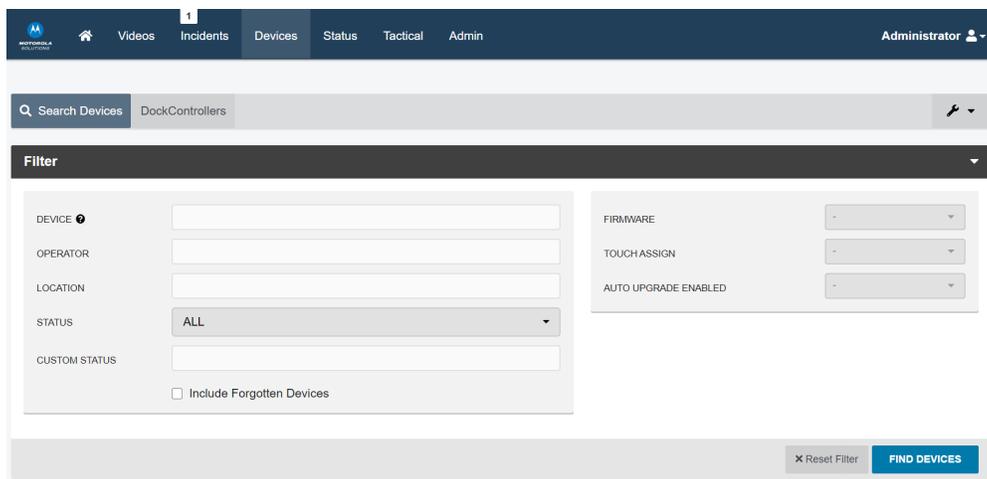
ONCE I'VE CREATED A WI-FI PROFILE, HOW DO I APPLY IT TO A BODY-WORN CAMERA?

There are two ways to apply a Wi-Fi profile to a body-worn camera, depending on how the body-worn cameras will be assigned to users.

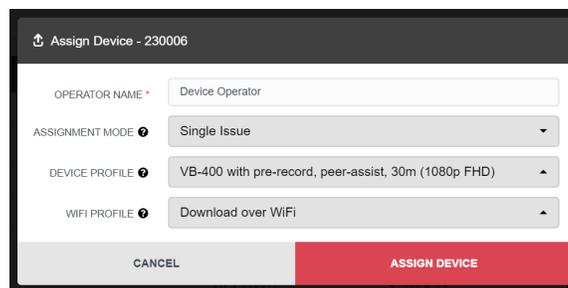
SINGLE ISSUE AND PERMANENT ISSUE

If you are an administrator assigning the body-worn camera to an operator, or if you are the operator and have the permissions to assign yourself a body-worn camera (**Assign device** and **Select device profile when assigning**), you can apply the Wi-Fi profile at the same time as you assign the body-worn camera with single or permanent issue:

- Navigate to the **Devices** tab.
- In the **Search Devices** pane, filter the body-worn cameras as necessary, and click **Find Devices**.



- Click **Assign Device**.
- In the **Operator Name** field, enter the name of the operator who will be using this body-worn camera.
- From the **Assignment Mode** dropdown, select one of the following options:
 - **Single issue** - the body-worn camera will be assigned to the operator for one trip. Once it has been docked, it will become unassigned again.
 - **Permanent issue** - the body-worn camera will be permanently assigned to the operator, even when it is docked.
- From the **Wi-Fi Profile** dropdown, select the previously-created Wi-Fi profile.



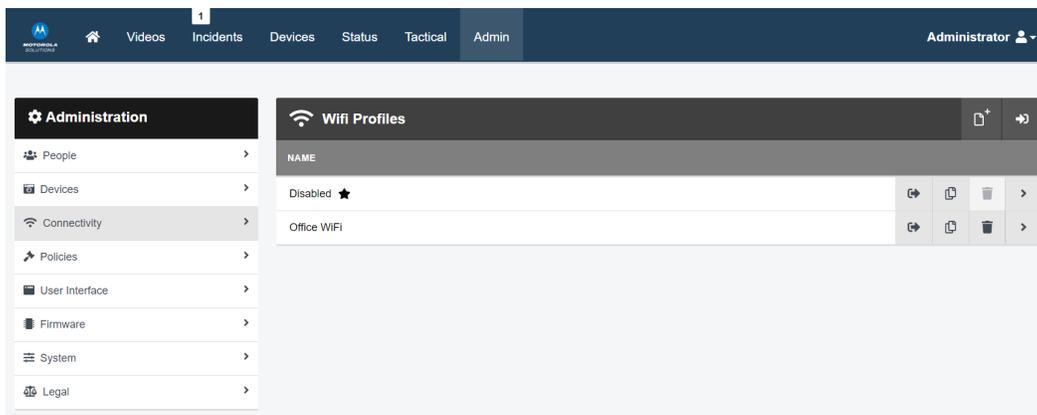
- Click **Assign Device**.

PERMANENT ALLOCATION

If you are an administrator allocating the body-worn camera to an operator, or if you are the operator and have the permissions to allocate yourself a body-worn camera (**Assign device** and **Assign device with RFID touch assign**), you must ensure that the desired Wi-Fi profile has been set to the system default. Any body-worn cameras which are paired with operators through permanent allocation will take the default Wi-Fi profile.

To ensure that the Wi-Fi profile is the system default:

- Navigate to the **Admin** tab.
- Select the **Connectivity** pane.
- Click the **Wi-Fi Profiles** section.



- Click **Go to Wi-Fi profile** next to the Wi-Fi which will become the system default.
- Ensure that **Default profile** is set to **On**.
- Click **Save Profile**.

From now on, whenever body-worn cameras are permanently allocated to operators, they will use the default Wi-Fi profile.

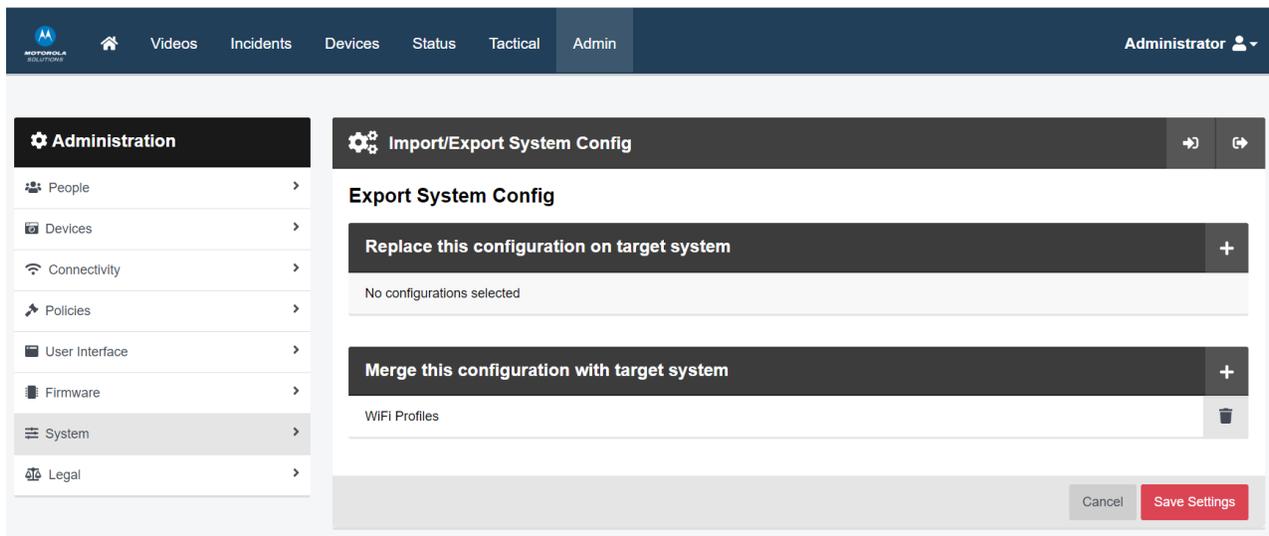
HOW DO I REPLICATE WI-FI PROFILES ACROSS MULTIPLE INSTANCES OF VIDEOMANAGER?

If you have multiple instances of VideoManager, you can copy the Wi-Fi profiles from one instance to another. This is useful if you have a Central VideoManager with multiple Sites (e.g. for satellite offices or remote workers), or a test server.

MANUALLY EXPORT AND IMPORT ALL DEVICE PROFILES (14.5 ONWARDS)

If you would like to export all of your Wi-Fi profiles from one instance of VideoManager (e.g. a test system) into another instance (e.g. a live system):

- In the original instance of VideoManager, navigate to the **Admin** tab.
- Select the **System** pane.
- Click the **Import / Export system config** section.
- In the **Merge this configuration with target system** section, click **+** and select **Wi-Fi Profiles** from the dropdown.
- Click **Save Settings**.
- Click **Export System Config** in the top right-hand corner. The configuration will be downloaded to your PC's default downloads location as an XML file.



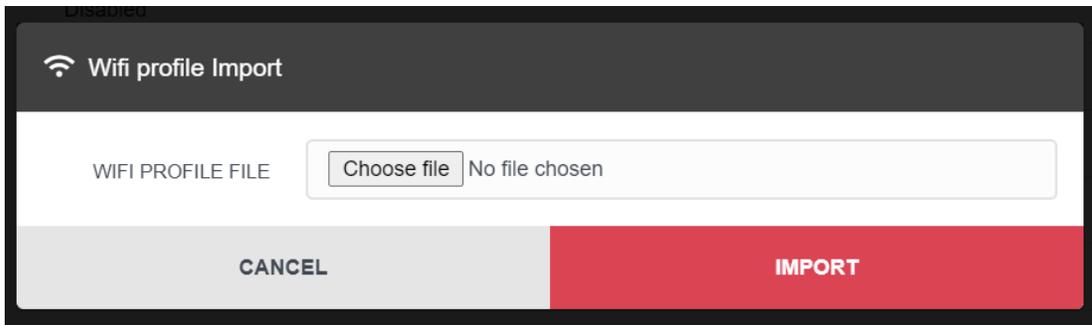
- In the new instance of VideoManager, navigate to the **Admin** tab.
- Select the **System** pane.
- Click the **Import / Export system config** section.
- Click **Import System Config**.
- Select the previously-exported XML file and click **Confirm**.

PLEASE NOTE: Any Wi-Fi profiles on VideoManager which have the same names as the imported Wi-Fi profiles will be overwritten.

MANUALLY EXPORT AND IMPORT INDIVIDUAL WI-FI PROFILES

If you would like to export individual Wi-Fi profiles from one instance of VideoManager (e.g. a test system) into another instance (e.g. a live system):

- In the original instance of VideoManager, navigate to the **Admin** tab.
- Select the **Connectivity** pane.
- Click the **Wi-Fi Profiles** section.
- Click **Export Profile** next to the relevant Wi-Fi profile. It will be automatically downloaded to your PC as a JSON file.
- In the other instance of VideoManager, navigate to the **Admin** tab.
- Select the **Connectivity** pane.
- Click the **Wi-Fi Profiles** section.
- Click **Import Profile**.
- Select the previously-exported profile.



- Click **Import**.

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