AXIS Body Worn Manager Pro

User manual

AXIS Body Worn Manager Pro

Introduction

AXIS Body Worn Manager Pro lets you centrally manage system controllers and camera profiles for several body worn systems (1). It's connected to Active Directory (2), where all camera user administration is done. AXIS Body Worn Manager Pro regularly synchronizes the different camera user groups defined in Active Directory with each body worn system.
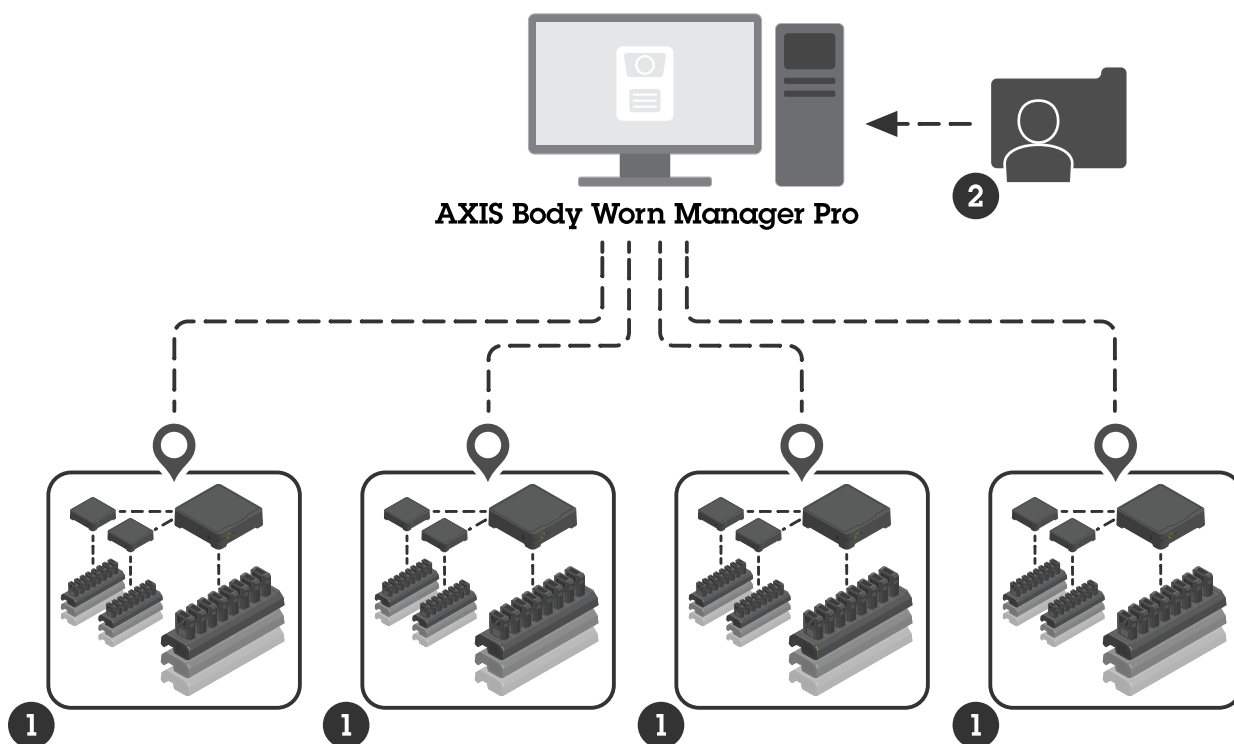
1   Body worn systems
2   Active Directory

Each body worn system must be connected to its own content destination. All content destinations must be of the same type.

Before you start

Windows® configuration

You install AXIS Body Worn Manager Pro on a computer that runs Microsoft® Windows. The computer must be part of a domain that has access to an Active Directory (AD) server. The service uses Windows APIs to discover the AD server at startup and establishes an LDAP connection over TLS to the server. It doesn't require any certificates.

You must allow AXIS Body Worn Manager Pro to run as a service with LocalSystem privileges.

Network configuration

AXIS Body Worn Manager Pro requires two ports to be open:

Default port number	Protocol	Inbound/outbound	Used by	Comments
10443	HTTPS	Inbound	Web browser	When the service starts for the first time, a self-signed certificate and a private key are created and stored in `C:\ProgramData \AXIS Communications \AXIS Body Worn Manager Pro\certs.`
8643	TLS	Inbound	System controllers	When you add a body worn system to AXIS Body Worn Manager Pro, the system controller sends a certificate signing request to the service, which returns a signed certificate. This process requires human-assisted fingerprint verification to rule out an ongoing man-in-the-middle attack.

To change the default ports, click the system tray arrow in the Windows® taskbar and click the AXIS Body Worn Manager Pro icon.

Active Directory configuration

There must be an Active Directory group containing the administrators that are allowed to log in to AXIS Body Worn Manager Pro.

For each body worn system, there must be a unique Active Directory group that contains the camera users. To minimize license costs in the video management software or evidence management software, every system must have its own group, and a camera user shouldn't belong to more than one system.

AXIS Body Worn Manager Pro doesn't require any special naming conventions or locations in the Active Directory structure.

Before you start

Active Directory usage

Important

AXIS Body Worn Manager Pro doesn't support ADFS, OpenID Connect, Entra ID, or other identity management solutions.

AXIS Body Worn Manager Pro regularly fetches the following Active Directory attributes:

- Groups

    - objectGUID

    - name

    - sAMAccountName

- Users

    - object GUID

    - userPrincipalName

    - displayName

    - mail (useful to cloud-based evidence management software)

    - userAccountControl

    - expires

    - RFID attribute (optional, defined during setup)

Stored data

Note

Axis doesn't store any personal data.

The table provides an overview of what data is saved where.

Data	Active Directory	AXIS Body Worn Manager Pro	AXIS Body Worn Manager
Camera user's name	X	X	X
Camera user's email adress	X	X	X
Profile settings	-	X	X
Assigned profile	-	X	X
Self-assign RFID tag	(optional)	X	X
AXIS Body Worn Assistant pairing	-	-	X
Holster pairing	-	-	X
Personal WiFi information	-	-	X
Active Directory group name	X	X	-

Get started

To get started with AXIS Body Worn Manager Pro, you must connect to Active Directory:

1. Open the settings for AXIS Body Worn Manager Pro from the system tray in Windows® or by double-clicking the icon on your desktop.

2. In **Settings > Login Active Directory group**, type the administrator's Active Directory group.

3. Click **Apply**.

4. Click **Start**.

Add a body worn system

Note

> The manual comparison of thumbprints helps prevent a man-in-the-middle attack.

To add a body worn system to AXIS Body Worn Manager Pro:

1. In AXIS Body Worn Manager Pro, click ⋮ > **About**.

2. Copy the thumbprint.

3. In AXIS Body Worn Manager of the system to add, click ⚙ > **AXIS Body Worn Manager Pro**.

4. Enter **[hostname or IP address of the PC that runs AXIS Body Worn Manager Pro]:[TLS port]** and the copied thumbprint and click **Connect**.

   For more information about the TLS port, see .

5. In AXIS Body Worn Manager Pro, go to 🚗 and click **New (1)**.

6. Enter the name of the Active Directory group to which the system should be linked.

7. Click **Verify**.

8. Click **Add**.

9. Read the information, select **I have read and understand the consequences** and click **Add**.

The body worn system is now visible in the list of systems. Click the system name to see detailed system information, compliance status, and to update the Active Directory group.

Remove a body worn system

Important

> After you remove a body worn system from AXIS Body Worn Manager Pro, you have to reset that system to factory default settings. For instructions, see *Reset system*.

To remove a body worn system from AXIS Body Worn Manager Pro:

1. Go to 🚗 .

2. On the system you want to remove, click ⋮ .

3. Select **Remove**.

Certificates

Certificates enable encrypted web browsing using HTTPS. If you want, you can replace the default certificate with you own, self-signed or issued by your organization. The private key must be in PKCS #1 format, and it can't be encrypted or password-protected.

To replace the default certificate:

1. Go to ⚙ > **Server certificate**.

2. Click **Replace**.

3. Upload the certificate and the key.

4. Click **Install**.

5. Restart the browser.

License

To license AXIS Body Worn Manager Pro, you must export a system file, upload it to AXIS License Manager to generate a license file, and then import that file.

1. In AXIS Body Worn Manager Pro, go to ⚙ > **License**.

2. Click **Add licenses** to expand the instructions.

3. Click **Export** and save the system file to your PC.

4. Log in to *AXIS License Manager*.

5. Upload the system file in AXIS License Manager. For instructions, see *License offline systems* in My Systems user manual.

6. Start your subscription, see *Start a subscription*.

7. Buy licenses, see *Buy licenses*.

8. Redeem your license key, see *Redeem license key*.

9. Go to **Systems setup** and click your system name.

10. Click **Download license file**.

11. In AXIS Body Worn Manager Pro, click **Import**.

Daily use

Access the service

To access the service, open a web browser and type **https://[hostname or IP address of the PC that runs AXIS Body Worn Manager Pro]:[HTTPS port]**.

For more information about the HTTPS port, see .

Manage camera profiles

You can configure up to five different camera profiles in the camera profiles page. AXIS Body Worn Manager Pro regularly pushes the profiles to the connected body worn systems.

Note

> System-specific parameters, for example the wireless network selected for AXIS Body Worn Live, are still handled separately in each body worn system.

Edit a camera profile

1. Go to ⚙ and select one of the pre-configured camera profiles from the drop down menu.

2. Click 🖊 to update the selected camera profile.

3. Update the camera profile's name.

4. Enter a description for the camera profile.

5. Select the camera models available for camera assignment.

6. Click **Done**.

7. Expand the devices in the list to edit the camera profile settings. For more information about the different settings, see *Camera profile settings*.

Manage users

User administration is handled through Active Directory. In AXIS Body Worn Manager Pro, you assign camera profiles and RFID tags (for systems with self-assign camera assignment) to users.

You can read more about camera profiles and different ways to assign a user to a camera in the *user manual for Axis body worn solution*.

Assign a camera profile to users

1. Go to 👤 .

2. Select the users that you want to assign the camera profile to.

3. Click **Assign camera profile** and select a profile.

4. Click **Assign**.

It takes about 30 seconds before the profile is updated in AXIS Body Worn Manager.

Daily use

Set up self-assign camera assignment

1. Connect the RFID reader to a system controller. Wait for the LED on the reader to light up green, which takes about 15 seconds. The reader now has the correct device software and is ready for use.

2. Disconnect the RFID reader from the system controller.

3. Connect the RFID reader to the computer that you use for accessing AXIS Body Worn Manager Pro.

Note

Setup through remote desktop solutions isn't supported. The RFID reader must be connected directly to the computer that you use for accessing AXIS Body Worn Manager Pro.

4. In AXIS Body Worn Manager Pro, go to 👤 .

5. Select the user that you want to pair the self-assign tag with.

6. Click ➕ .

7. To register the self-assign tag, tap it on the RFID reader. Keep tapping until all the dots in the user interface turn yellow.

8. Click **Done**.

It takes about 30 seconds until the pairing is available in AXIS Body Worn Manager. After that, the camera user can use the tag to self-assign a body worn camera.

For more information about self-assign camera assignment, see the *user manual for Axis body worn solution*.

Synchronize with Active Directory

AXIS Body Worn Manager Pro synchronizes automatically with Active Directory every 10 minutes. To synchronize manually:

1. Go to ⚙️ > **Active Directory**.

2. Click **Synchronize**.

Manage device software

If the device software version bundled in AXIS Body Worn Manager Pro is more recent than the versions in the connected body worn systems, you can upgrade them from AXIS Body Worn Manager Pro.

Important

AXIS Body Worn Manager Pro only supports the active AXIS OS track. For more information, see *AXIS OS lifecycle*.

Upgrade device software

1. Go to 🗔 .

2. Select the body worn systems with ⊙ in the **Device software** column.

3. Click **Upgrade systems**.

4. Click **Upgrade**.

Note

During the upgrade process, the system controller restarts and the system becomes unavailable for a moment.

5. When a system has been upgraded, the ⊕ disappears from the **Device software** column.

Maintain your system

Download system report

You can download a system report. Axis support uses the report for troubleshooting. A system report contains information about the server that runs AXIS Body Worn Manager Pro, as well as logs and database content.

1. Go to 🔧 > **System report**.

2. Click **System report**.

3. Send the file to Axis support.

If you can't open AXIS Body Worn Manager Pro, you can download a limited report from the system tray in Windows®.

1. Click the system tray arrow in the Windows® taskbar.

2. Click the AXIS Body Worn Manager Pro icon.

3. Click **System report**.

4. Send the file to Axis support.