

Autopilot

for v8.5 or later systems





Verify that you have the most current version of this document from **www.hvacpartners.com**, the **Carrier Partner Community** website, or your local Carrier office.

Important changes are listed in **Document revision history** at the end of this document.

Carrier© 2025. All rights reserved.

The content of this guide is furnished for informational use only and is subject to change without notice. Carrier assumes no responsibility or liability for any errors or inaccuracies that may appear in the informational content contained in this guide.



Contents

What is the Autopilot add-on?	1
Prerequisites	1
Creating an Autopilot operator	2
Configuring a slideshow	3
To create a slideshow	4
To import a slideshow from a previous version	5
To add or edit slides	6
Playing a slideshow	8
Troubleshooting	10
Document revision history	13



What is the Autopilot add-on?

The Autopilot add-on allows a user to configure slideshows, which cycle through designated pages of your system for specified amounts of time, allowing you to monitor or run a demo of your i-Vu® Pro system.

You can play the slideshows either on the i-Vu® Pro server or on one or more client computers. Each computer can display a different set of pages.

A slideshow can be played in either *attended* or *unattended* modes. See *Playing a slideshow* (page 8).

Prerequisites

- You are running a v8.5 or later system with the latest cumulative patch applied.
- You have downloaded **autopilot.addon**.

NOTE

- If you are running a v8.5 or v9.0 system, you must use the v8.5.0 version of the add-on.
- If you are running a v10.0 system, you must use the v10.0.0 version of the add-on.
- Have the following privileges in order to create or edit a slideshow:
 - **Access System Options Items**
 - **Maintain System Parameters**

Creating an Autopilot operator

To allow a slideshow to be run in unattended mode (to be viewed by someone who is not logged into your i-Vu® Pro system), you must set up a special operator with limited privileges in your i-Vu® Pro system:

- 1 Create a privilege set with the following privileges, **at most**:

- **Access System Tree**
- **Access Control Program Items**
- **Access Alarms**
- **Access Logic Pages**

NOTE If your system is using location-dependent security, this privilege set should be set up as a local privilege set. Ensure that the “autopilot” operator is not assigned to any system wide privilege set.

- 2 Create an operator with login name "autopilot" and the password of your choice.


- 3 Assign the "autopilot" operator to the privilege set created in step 1.

NOTE If your system is using location-dependent security, this operator should be assigned to the privilege set at the root level of the navigation tree.

Configuring a slideshow



To create a slideshow or to edit individual slides, you must have the following privileges:

- **Access System Options Items**
- **Maintain System Parameters**

Access the Autopilot add-on from the i-Vu® Pro interface by navigating to the **System Menu**  > **System Options** > **System Settings** > **Add-ons** tab. Select the Autopilot add-on and then click the **Main Page** link.

NOTE When the user plays a slideshow, all operator privileges are enforced, including location-dependent operator access, so a user may not see all slides in a slideshow, depending on their privileges.

As you add and save additional slideshows, they appear in a list in the slideshow, on the **View Slideshows** tab. You can configure the list and its appearance using the table below.

Field	Description
Show n Entries	Select the number of entries you would like to see listed on each page.
Search	Type a slideshow's name or URL to locate it in the list.
Previous / Next	Click the buttons to see more pages of the list.
Play	Click  to the right of the slideshow to play it. See <i>Playing a slideshow</i> (page 8).
Edit	Click  to the right of the slideshow to go to the Configuration tab and edit the slideshow.
Delete	Check the checkbox to the left of a slideshow; then click Delete to permanently remove it from the list.

To create a slideshow

- 1 On the **View Slideshows** tab, click **New Slideshow**.

NOTE You can also create a slideshow from one created in the legacy autopilot; see *To import a slideshow* (page 5).

- 2 On the **Configuration** tab, create and name the new slideshow using the table below.

- 3 Click **Save**.

NOTES

- See *To add or edit slides* (page 6) for more information.
- When the user plays a slideshow, all operator privileges are enforced, including location-dependent operator access, so a user may not see all slides in a slideshow depending on their privileges.

Field	Description
Name	Type a unique slideshow name.
Full Screen	Select if you prefer the slideshow to play full screen when launched.
Loop	Select if you prefer the slideshow to play on a continuous loop until stopped.
Default Delay	Type the number of seconds each slide will display before the next slide is displayed. NOTE You can override this value for any individual slide in the slideshow.
Allow unattended mode	Check this checkbox to allow someone to view the slideshow using the provided URL without having to log into the i-Vu® Pro application. When playing a slideshow in <i>unattended</i> mode, no interaction with the screens will be possible. Your Administrator must set up an <i>unattended</i> mode operator named "autopilot" for this feature (see <i>Prerequisites</i> (page 1)). Leave this checkbox unchecked to allow a slideshow to be played by a user logged into the i-Vu® Pro interface. In <i>attended</i> mode, the user may click on the page to stop the slideshow where it is and then use the i-Vu® Pro application normally. NOTE When playing in <i>attended</i> mode, you must treat this as a normal i-Vu® Pro session and either lock your machine or log out of the i-Vu® Pro application if you need to leave your machine unattended.
Allowed requests	Type the number of users allowed to play this slideshow in <i>unattended</i> mode simultaneously; maximum allowed is 50.

To import a slideshow from a previous version

- 1 On the **View Slideshows** tab, click **New Slideshow**.
- 2 On the **Configuration** tab, click **Import**.
- 3 On the **Import Autopilot XML File** window, browse to the file and click **Import**.
- 4 Configure the imported slideshow using the table below.
- 5 Click **Save**.

NOTES

- See *To add or edit slides* (page 6) for more information.
- When the user plays a slideshow, all operator privileges are enforced, including location-dependent operator access, so a user may not see all slides in a slideshow depending on their privileges.

Field	Description
Name	Type a unique slideshow name.
Full Screen	Select if you prefer the slideshow to play full screen when launched.
Loop	Select if you prefer the slideshow to play on a continuous loop until stopped.
Default Delay	Type the number of seconds each slide will display before the next slide is displayed. NOTE You can override this value for any individual slide in the slideshow.
Allow unattended mode	<p>Check this checkbox to allow someone to view the slideshow using the provided URL without having to log into the i-Vu® Pro application. When playing a slideshow in <i>unattended</i> mode, no interaction with the screens will be possible. Your Administrator must set up an <i>unattended</i> mode operator named "autopilot" for this feature (see <i>Prerequisites</i> (page 1)).</p> <p>Leave this checkbox unchecked to allow a slideshow to be played by a user logged into the i-Vu® Pro interface. In <i>attended</i> mode, the user may click on the page to stop the slideshow where it is and then use the i-Vu® Pro application normally.</p> <p>NOTE When playing in <i>attended</i> mode, you must treat this as a normal i-Vu® Pro session and either lock your machine or log out of the i-Vu® Pro application if you need to leave your machine unattended.</p>
Allowed requests	Type the number of users allowed to play this slideshow in <i>unattended</i> mode simultaneously; maximum allowed is 50.

To add or edit slides



TIP To ensure predictable results: If your slideshow includes a mix of graphics and non-graphics pages, all slides should be added as "custom locations" (see step 4 below).


- 1 On the **View Slideshows** tab, click **Edit** in the **Actions** column for the slideshow to display the **Configuration** tab.
- 2 On the **Configuration** tab, click **Add Slides**.
- 3 To add a location's default graphic.



NOTES

- You may choose multiple locations from the tree. The default graphic will be displayed in the slideshow for each location chosen.
 - To include equipment screens in your slideshow, use **Enter custom autopilot location**.
 - a) On the **Add Slides** screen, select one or more default graphic locations.
 - b) Click **OK**.
- 4 To add a custom location, do the following.
 - a) In the i-Vu® Pro interface, go to the page you want to display.
 - b) Press **Ctrl+M**.
 - c) Type `autopilot location`.
 - d) Click **OK**.
 - e) Copy the path to the clipboard.
 - f) On the **Add Slides** screen, select **Enter custom autopilot location**.
 - g) Click in the custom location entry field and press **Ctrl+V** to paste the path.
 - h) Click **OK**.
 - i) Repeat steps 2a - 2h above to add additional custom locations.
 - 5 After adding as many slides as needed, click **Preview** to view the slideshow.
 - 6 Make any changes needed. See table below.
 - 7 Click **Save** to approve the changes or **Cancel** to remove the most recent changes.

To...	Do this...
Adjust the number of seconds delayed for a slide	Enter a number in the slide's Delay Override field. NOTE Leave this field blank to accept the Default Delay value.
To change the order of the slides in the slideshow	Drag and drop a slide up or down in the list.
To duplicate a slide	Click + to the left of the slide's path.
To edit the location of a slide	<ol style="list-style-type: none"> 1 Click Edit next to the slide's path. 2 Select a new location from the tree or enter a custom location.

To...	Do this...
To permanently delete a slide from the list	<ol style="list-style-type: none">1 Check the checkbox next to its row number.2 Click Delete.  TIP Or click the checkbox at the top of the column to delete all items in the list.

NOTE If you edit a slideshow that is already running, restart the running slideshow. To restart a slideshow running in unattended mode:

- 1 Stop the slideshow by closing the browser window.
- 2 Reopen the browser window.
- 3 Restart the slideshow using the provided unattended slideshow URL.


Playing a slideshow

You can play a slideshow in either **Unattended** or **Attended** mode (see table below).


NOTE When playing a slideshow, all operator privileges are enforced, including location-dependent operator access, so you may not see all slides in a slideshow, depending on your privileges.





TIP If you would like your slideshow to run without showing the **User** tree, perform the following steps.

1. Log into your i-Vu® Pro application as the operator who will run the slideshow (for unattended mode slideshows, that would be the “autopilot” operator)
2. Click the arrow  to hide i-Vu® Pro's **User** and **Installer** navigation trees.
3. Log out of the i-Vu® Pro application with the trees hidden.
4. Run your slideshow.

NOTE The tree panel's visibility in the slideshow is based on its visibility at last log-off.

Mode	User Type	Method
Unattended		
	Administrator or Installer	<ol style="list-style-type: none"> 1 In the i-Vu® Pro interface, from the Add-ons tab, launch the Autopilot add-on. 2 Go to the View Slideshows screen. 3 Copy the slideshow's Unattended URL. 4 Replace "<system_url>" with the system's URL. 5 Provide the URL to the person(s) who will play it in unattended mode. <p>NOTES</p> <ul style="list-style-type: none"> • The person playing an unattended slideshow does not need to be logged in to the i-Vu® Pro application. • Unattended mode slideshows cannot be run in the same browser where someone is logged in to the building automation system. This security feature ensures that the user running the unattended slideshow is restricted to seeing only the screens included in the slideshow.
Attended		
	Administrator or Installer	<ol style="list-style-type: none"> 1 In the i-Vu® Pro interface, from the Add-ons tab, launch the Autopilot add-on. 2 Go to the View Slideshows screen. 3 Locate the desired slideshow. 4 Click  to play the slideshow.

Mode	User Type	Method
	Any user logged in to i-Vu® Pro	<div><div>1</div><div>In the i-Vu® Pro interface, click the System Menu  drop-down arrow.</div></div> <div><div>2</div><div>Select Autopilot Slideshows.</div></div> <div><div>3</div><div>Locate the desired slideshow.</div></div> <div><div>4</div><div>Click  to play the slideshow.</div></div>

Troubleshooting

Slideshow gets stuck on a certain slide.

Symptom	The same slide is shown over and over.
Reason	If a location has more than one graphic associated with it, selecting that location using Select one or more default graphic locations results in this error.
Recommendation	Use Enter custom autopilot location for such locations.

Slideshow gets stuck on a certain tab.

Symptom	Slideshow moves to next location but stays on the same tab.
Reason	The add-on currently cannot handle switching between graphics and non-graphics tabs when slides are added using Select one or more default graphic locations .
Recommendation	Use Enter custom autopilot location for ALL slides when including both graphics and non-graphics tabs.

Hey, where are my equipment locations?

Symptom	Only areas are provided in the tree when adding a slide to a slideshow using Select one or more default graphic locations .
Reason	Add-on limitation
Recommendation	Use Enter custom autopilot location to add equipment slides.


I updated my slideshow, but my already playing slideshow does not reflect the changes.

Symptom	If a slideshow is edited using the add-on, while the slideshow is already playing (attended or unattended), the changes will not automatically get incorporated into the currently playing slideshow.
Reason	Add-on limitation
Recommendation	Stop the slideshow and restart.

Unattended mode: BAS v7.0: "HTTP status 500 – Internal server error"

Symptom	Error message above displayed when trying to run a slideshow in unattended mode with v7.0 of the i-Vu® Pro application.
Reason	Missing necessary components available in v7.0 cumulative #8
Recommendation	Apply v7.0 cumulative #8

Unattended mode: I do not want the User tree panel to be displayed.

Symptom	User tree panel is displayed during unattended slideshows.
Reason	Add-on is displaying each slideshow screen in a i-Vu® Pro system session.
Recommendation	<p>To remove the User tree panel from your slideshow:</p> <ol style="list-style-type: none"> 1 Log into your i-Vu® Pro application as the operator who will run the slideshow. NOTE For unattended mode slideshows, that is the "autopilot" operator 2 Click arrow  to hide the User and Installer i-Vu® Pro's navigation trees. 3 Log out of the i-Vu® Pro application with the trees hidden. <p>NOTE The tree panel's visibility in the slideshow is based on its visibility at last log-off.</p>

Unattended mode: "Cannot run slideshow. Unattended mode operator does not exist."

Symptom	Error message above displayed when trying to run a slideshow in unattended mode.
Reason	Autopilot operator has not been created.
Recommendation	<p>See <i>Creating an Autopilot operator</i> (page 2) for detailed instructions.</p> <p>If you are using location-dependent privileges, a local privilege set should be set up with the appropriate privileges, and the "autopilot" operator should be assigned to that privilege set at the root level of the User tree. The operator should NOT be assigned to any system-wide privilege set.</p>

Unattended mode: "Cannot run slideshow. Unattended mode operator privileges are invalid."

Symptom	Error message above displayed when trying to run a slideshow in unattended mode.
Reason	Autopilot operator was created with too many privileges.
Recommendation	<p>See <i>Creating an Autopilot operator</i> (page 2) for detailed instructions.</p> <p>If you are using location-dependent privileges, a local privilege set should be set up with the appropriate privileges, and the "autopilot" operator should be assigned to that privilege set at the root level of the User or Installer tree. The operator should NOT be assigned to any system-wide privilege set.</p>

Unattended mode: "Access denied."

Symptom	Error message above displayed when trying to run a slideshow in unattended mode.
Reason	<p>Either the Autopilot or another operator is already logged into the i-Vu® Pro application in the current browser.</p> <p>This restriction prevents someone who is running an unattended mode slideshow from opening another tab and using the system URL to navigate to pages in the system that are not included in the slideshow.</p>
Recommendation	<p>For end users of an unattended slideshow who are trying to open another tab, advise them that is not allowed.</p> <p>For people legitimately logged into the i-Vu® Pro application, who may want to test a slideshow in unattended mode, advise them to play the unattended mode slideshow in a different browser (e.g., Firefox rather than Chrome) than the one they are using for the i-Vu® Pro application.</p>

Document revision history

Important changes to this document are listed below. Minor changes such as typographical or formatting errors are not listed.

Date	Topic	Change description	Code*
12/1/25	Prerequisites	Updated BAS version to v8.5 or later, removed note	X-PM-RD-E
4/14/25	Prerequisites	Added v2.0.7	X-PM-RB-E
3/13/24	Prerequisites	Added note regarding v7.0 systems	AC-TS-RD-E-R D
7/6/21	Creating an Autopilot operator	Additional information added to NOTE	X-PM-LO-E
4/28/21	Playing a slideshow	Added note about location-dependent operator access.	X-PM-LO-E
	Configuring a slideshow	Clarified that you cannot create a slideshow or edit individual slides by accessing it from outside of i-Vu® Pro The necessary privileges revised.	

* For internal use only

