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Milestone Systems

XProtect® Input Unit Plug-ins for AXIS T8310 Controller

Getting started guide

XProtect Smart Client



Contents

Copyright, trademarks, and disclaimer	3
Introduction	4
Axis T8310 and XProtect Smart Client	5
Install Axis T8310	5
Install the XProtect Input Unit Plug-in	5
Configure XProtect Input Unit Plug-in	7
Configurable actions	8
Example – use a shortcut key to view video from a camera	9
Example – use a shortcut key to start recording	9
Profile settings1	0
Device settings	0
Joystick settings	0
Default settings for devices and action mappings1	1

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Introduction

This document describes how to install the XProtect Input Unit Plug-in for the Axis T8310 Video Surveillance Control Board in XProtect Smart Client. This document assumes that you know how to operate the Axis T8310 Video Surveillance Control Board - in the rest of this document referred to as "Axis T8310".

A full description of the Axis T8310 is available in a document titled *ug_T81series_38417_en_1002.pdf*, which installs on your computer when you install the XProtect Input Unit Plug-in.

Axis T8310 and XProtect Smart Client

The Axis T8310 lets you view and control cameras and video recorders at local and remote facilities.

The XProtect Input Unit Plug-in for the Axis T8310 lets you use an Axis T8310 to perform tasks in XProtect Smart Client.

There is no one-to-one mapping of Axis T8310 functions to XProtect Smart Client functions and vice versa. Some Axis T8310 functionality is not applicable for XProtect Smart Client, and XProtect Smart Client contains functionality not implemented in Axis T8310.

Install Axis T8310

Axis T8310 consists of a joystick, a keypad, and a jog dial. You can install these separately, or as one unit. The units are powered through the USB connection.

To install Axis T8310, connect Axis T8310 to the USB port on your PC.

Install the XProtect Input Unit Plug-in

You must have XProtect Smart Client version 2016 or later installed. The XProtect Input Unit Plug-in does not support previous versions.

The XProtect Input Unit Plug-in for Axis T8310 comes with an installer. To install the plugin, do the following:

- 1. To download the installer for the XProtect Input Unit Plug-in, go to https://www.milestonesys.com/download/.
- 2. In the **Product** list, select XProtect Input Unit Plug-insand download the appropriate installer for your computer.



The XProtect Input Unit Plug-ins for Axis T8310 and Axis TU9001 share the same .exe file.

3. Double-click the .exe file to start the installation.

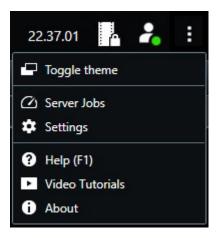
Milestone End-user License Agreement	^
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NOTE: If you are a Milestone Dealer, systems integrator or are otherwise in Product on behalf of a third party, you shall ensure that you have their accep End-user License Agreement and their consent to provide end-user perso registration with Milestone Systems if such voluntary option is applied.	stance of this
This End-user License Agreement ("EULA") is a legally binding agreement i (either an individual or a single legal entity) and Milestone Systems A/S ("Miles Milestone product or utility, which may include associated software an components, media, printed materials, online or electronic documentation and or corrections ("Product"). If you have purchased the Product as part of a compu- system delivered by Milestone all hardware and software components of such is for the purposes of this EULA be considered being parts of the Product, excep any third party software or hardware component which is covered by a separa license agreement included in the system documentation or otherwise incorp- curedem.	stone") for the nd hardware l any updates uter or server system shall of however for ate third party

- 4. To install the XProtect Input Unit Plug-in, accept the terms of the license agreement and then click **Install**.
- 5. When the installation is complete, click **Finish**.

Configure XProtect Input Unit Plug-in

To configure the XProtect Input Unit Plug-in in XProtect Smart Client, follow these steps:

1. Start XProtect Smart Client, and select **Settings** in the upper right corner.



2. In the Settings window, select Axis Control Board Setup.

			-630				
Application		oing Profile Abou	t				
	Numbered						
Panes	Number	Group		Action			
Functions		Application		-33-			✓ 10
		Application	~	Toggle full screen view(s)			√ <mark> </mark> √
Timeline		Views	~	Maximize the selected view item			
Export		PTZ	~	Toggle the digital zoom state			~ 2
Smart map							
Search							
Joystick							
(eyboard							
	Keys						
Access Control	Key			Group		Action	
	1009			0.000			
Manager	KEYPAD_	F1		Application	~	Show Live	~
					~ ~	Show Live Show Playback	~
	KEYPAD_	F2		Application			× × ×
xis Control Board Setup	KEYPAD_	F2 F3		Application Application	~	Show Playback	> > > >
xis Control Board Setup dvanced	KEYPAD_ KEYPAD_ KEYPAD_	F2 F3 F4		Application Application	~	Show Playback	× × × ×
xis Control Board Setup dvanced	KEYPAD_ KEYPAD_ KEYPAD_ KEYPAD_	F2 F3 F4 F5		Application Application	~ ~ ~	Show Playback	> > > > > >
uxis Control Board Setup	KEYPAD_ KEYPAD_ KEYPAD_ KEYPAD_ KEYPAD_	F2 F3 F4 F5 VIEW		Application Application Application	~ ~ ~	Show Playback Show Setup	> > > > > > > > > > > > > > > > > > >
Axis Control Board Setup	KEYPAD_ KEYPAD_ KEYPAD_ KEYPAD_ KEYPAD_ KEYPAD_	F2 F3 F4 F5 VIEW CAMERA		Application Application Application KeyboardPluginActions		Show Playback Show Setup * Select view	> > > > > > > > > > > > > > > > > > >
Axis Control Board Setup Advanced	KEYPAD KEYPAD KEYPAD KEYPAD KEYPAD KEYPAD	F2 F3 F4 F5 VIEW CAMERA PRESET		Application Application Application KeyboardPluginActions		Show Playback Show Setup * Select view	> > > > > > > > > > > > > > > > > > >
Alarm Manager Axis Control Board Setup Advanced Language	KEYPAD KEYPAD KEYPAD KEYPAD KEYPAD KEYPAD KEYPAD KEYPAD	F2 F3 F4 F5 VIEW CAMERA PRESET TIME		Application Application Application KeyboardPluginActions		Show Playback Show Setup * Select view	> > > > > > > > > > > > > > > > > > >
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Configurable actions

The XProtect Input Unit Plug-in lets you map keys on the Axis T8310 to actions, or tasks, in XProtect Smart Client. You can map actions to numbers, or to specific keys such as **ALT** or **9**.

For example, you might want to select a specific camera when you press the **ALT** key, or switch to a different view when you press the number **9**.

Configure combinations of numbers or keys and actions on the Actions Mapping tab.

	Actions Mapp	oing Profile About	t					- 0	
Application	- Numbered								
Panes	Number	Group	ł.	Action					Т
		Application	~	Toggle the	side pane				~ X
unctions		Application	~	Toggle full	screen view(s)				~ 🗙
limeline		Views	~	Maximize	the selected view item				~ 🕅
		PTZ	~	Toggle the	digital zoom state				~ 🗙
cport			~						~
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earch									
ystick									
Jun									
eyboard									
control	Keys —								
ccess Control	Keys Key				Group		Action		
		F1			Group Application	~	1		~
arm Manager	Key					×	Show Live		~ ~
arm Manager	Key KEYPAD_F	=2			Application		Show Live Show Playback		> > >
arm Manager xis Control Board Setup	Key KEYPAD_F KEYPAD_F	=2 =3			Application Application	~	Show Live Show Playback		> > > >
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arm Manager eis Control Board Setup Ivanced	Key KEYPAD_F KEYPAD_F KEYPAD_F	=2 =3 =4 =5			Application Application	~ ~ ~	Show Live Show Playback Show Setup		> > > > > > >
arm Manager xis Control Board Setup dvanced	Key KEYPAD_f KEYPAD_f KEYPAD_f KEYPAD_f KEYPAD_f	=2 =3 =4 =5 VIEW			Application Application Application KeyboardPluginActions	~ ~ ~	Show Live Show Playback Show Setup * Select view		
larm Manager xis Control Board Setup dvanced	Key KEYPAD_F KEYPAD_F KEYPAD_F KEYPAD_F KEYPAD_Y KEYPAD_Y	72 73 74 75 75 VIEW CAMERA			Application Application Application	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Show Live Show Playback Show Setup * Select view		
larm Manager xis Control Board Setup dvanced	Key KEYPAD_F KEYPAD_F KEYPAD_F KEYPAD_F KEYPAD_V KEYPAD_C KEYPAD_F	=2 =3 =4 =5 =5 VIEW CAMERA PRESET			Application Application Application KeyboardPluginActions	> > > > > >	Show Live Show Playback Show Setup * Select view		
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larm Manager xis Control Board Setup dvanced	Key KEYPAD F KEYPAD F KEYPAD F KEYPAD KEYPAD	=2 =3 =5 =5 VIEW CAMERA PRESET TIME			Application Application Application KeyboardPluginActions		Show Live Show Playback Show Setup * Select view	Defa	> > > > > > > > > > ult

The tab contains two groups. Map actions in each group as follows:

- Numbered Command map actions to numbers
- Keys map actions to specific keys on the keyboard

For each number or key:

- In the **Group** list, specify where to apply the action. For example, if you select Views you can select an action that is useful when you need to do something in a view. This might be when you want to go to the next view
- In the Action list, select the outcome of the action. The actions that are available differ, depending on the Group you selected

You can map both a number and a key to the same action.

After you map keys or buttons to actions, you can use them in XProtect Smart Client.

- Numbered commands enter the number and then press ALT on the Axis T8310
- Keys press the key on the Axis T8310

Example - use a shortcut key to view video from a camera

You can quickly view video from a camera by mapping the camera's shortcut key to the Select camera action.

1. In XProtect Management Client, select the camera, click the **Client** tab, and then make sure that a shortcut is defined in the **Shortcut** field.

operties					
Client settings					
Related microphone:					
		Clear			
Related speaker:					
	·	Clear			
Related metadata:			_		
Metadata 1 on Video Push Driver (10.100.0.125)		Clear			
Shortcut:				-	
11 🗢 <					
🕽 Info 🎲 Settings 📘 Streams 🕻	Record	A Motion	S Fisheye Le	ns 🖵 Client	Privacy Mask

2. In XProtect Smart Client, in the **Settings** window, select a key. Then, in the **Group** list, select **KeyboardPluginActions**. In the **Action** list, click **Select camera**.

By default, this action uses the **KEYPAD_CAMERA** key.

3. To apply the action, enter the camera's shortcut number followed by KEYPAD_CAMERA.

Example – use a shortcut key to start recording

When you are viewing live footage from a camera, you can use a shortcut number or a specific key to start recording.

- 1. To create an action that starts recording, do one of the following:
 - In the Numbered Command group, in the Number field, enter a number
 - In the Keys group, select a key
- 2. In the Group list, select Camera.
- 3. In the Action list, select Start recording on selected camera.
- 4. To apply the action, select the view that contains the camera, and then enter the action's number followed by **ALT**.

Profile settings

The current setting is stored privately on the server, but you can transfer it to the shared profile. The settings then apply to everyone who uses this profile.

Actions Mapping Device Settings	Profile	About
CLoad/Save Profile	8	
O Private		
Shared		

A message displays if you change a profile. For example, changing a profile from **Private** to **Shared**.

	Changing profile	×
?	Do you want to transfer your current settings to the shared profile? Select Yes to copy the active private profile to the shared profile. Select No load the stored shared profile.	
	Yes No Cancel	

Device settings

Joystick settings

To set up the joystick, use the options for Joystick in XProtect Smart Client.

Settings						_ [⊐ ×
Application	Disable all joy	sticks					
Panes	Select joystick:						
Functions	AXIS T8311	_	_		_	_	
Timeline							
20.89759 P	Axis setup	100.00					
Export	Name X Rotation Axis	Invert	Absolute	Action No action		Preview	
Keyboard	Z Axis			Zoom	•	-	
Joystick	Y Axis			Tilt	•		
Access Control	X Axis	Wincol / Snip					
Alarm		and the state		Move pan			
Axis Control Board Setup	Dead zone set	10					
Advanced	Dead 2011e set	Pan/Tilt			Zoom		
Language	║ _■						_
				<u></u>			
	Button setup						\equiv
		ction			Parameter	Preview	
	Button 1	lo action			▼		
	Button 2	lo action			▼		
	Button 3	lo action			-		
	Button 4	lo action			-		
	Button 5	lo action			-		
	Button 6	lo action			-		
	Button 7	lo action			-		
	Button 8	lo action			-		
	Button 9	lo action			~		
	Button 10	lo action			-		
Help					0	к] (Cancel

For more information, press **F1** and then search for **Joystick options**.

Default settings for devices and action mappings

You can restore the default settings for a profile by clicking the **Default**. This restores default settings for devices and action mappings.

Default
Close

The following image shows the default action mappings.

Getting started guide | XProtect® Input Unit Plug-ins for AXIS T8310 Controller

Key	Group	y un s	Action	
KEYPAD_F1	Application	~	Show Live	~
KEYPAD_F2	Application	~	Show Playback	~
KEYPAD_F3	Application	~	Show Setup	~
KEYPAD_F4		~		×
KEYPAD_F5		~		~
KEYPAD_VIEW	KeyboardPluginActions	¥	* Select view	Y
KEYPAD_CAMERA	KeyboardPluginActions	~	* Select camera	~
KEYPAD_PRESET		×		Y
KEYPAD_TIME		~		~
KEYPAD_ALARM		~		~
KEYPAD_TAB		~		~
KEYPAD_ALT	KeyboardPluginActions	~	* Generic command number	×
JOGDIAL_L		~		×
JOGDIAL_BOOKMARK		*		~
JOGDIAL_PREVIOUS	Views	~	Move view item selection down	~
JOGDIAL_PLAY_PAUSE	KeyboardPluginActions	~	* Play/Pause	~
JOGDIAL_NEXT	Views	Y	Move view item selection up	Y
JOGDIAL_R		~		~
JOGDIAL_SHUTTLE_FORWARD	KeyboardPluginActions	~	* Playback forward	Y
JOGDIAL_SHUTTLE_REVERSE	KeyboardPluginActions	~	* Playback reverse	×
JOGDIAL_SHUTTLE_STOP	KeyboardPluginActions	Y	* Play/Pause	Y
JOGDIAL_JOG_PLUS	Time navigation	Y	Next image	Y
JOGDIAL_JOG_MINUS	Time navigation	~	Previous image	Y



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