Milestone Systems

XProtect® Input Unit Plug-ins 2022 R1 for Pelco KBD300A Keyboard

Getting started guide

XProtect Smart Client

milestone

Contents

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Introduction

This document describes how to install and configure the XProtect Input Unit Plug-in for the Pelco KBD300A Keyboard in XProtect Smart Client. This document assumes that you know how to operate Pelco KBD300A Keyboard.

A full description of Pelco KBD300A Keyboard is available in a document titled *Pelco_KBD300A_Universal_ Keyboard_manual.pdf*, which installs on your computer when you install the XProtect Input Unit Plug-in.

Pelco KBD300A Keyboard and XProtect Smart Client

The Pelco KBD300A Keyboard lets you view and control cameras and video recorders at local and remote facilities.

The XProtect Input Unit Plug-infor the Pelco KBD300A Keyboard lets you use a Pelco KBD300A Keyboard to perform tasks in XProtect Smart Client.

There is no one-to-one mapping of Pelco KBD300A Keyboard functions to XProtect Smart Client functions and vice versa. Some Pelco KBD300A Keyboard functionality is not applicable for XProtect Smart Client, and XProtect Smart Client contains functionality not implemented in Pelco KBD300A Keyboard.

Install Pelco KBD300A Keyboard

Pelco KBD300A Keyboard has many operational features, and can be used in numerous operational modes. In this document, CM6700 ASCII MODE is used (for cable connections, refer to *Pelco_KBD300A_Universal_Keyboard_manual.pdf*: INSTALLATION – CM6700 ASCII MODE).

To install on a PC that is served by a COM port or USB communications facility, use an RS-422 connection at the keyboard and an RS-422 Converter to transfer to RS-232, then a Serial to USB Converter to connect to the PC.

Install XProtect Input Unit Plug-in

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

XProtect Input Unit Plug-in for Pelco KBD300A Keyboard 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/downloads/ and download the appropriate installer for your computer.

2. Double-click **Milestone_PelcoKBD300A_Plugin_Installer_x64.msi** to start the installation.
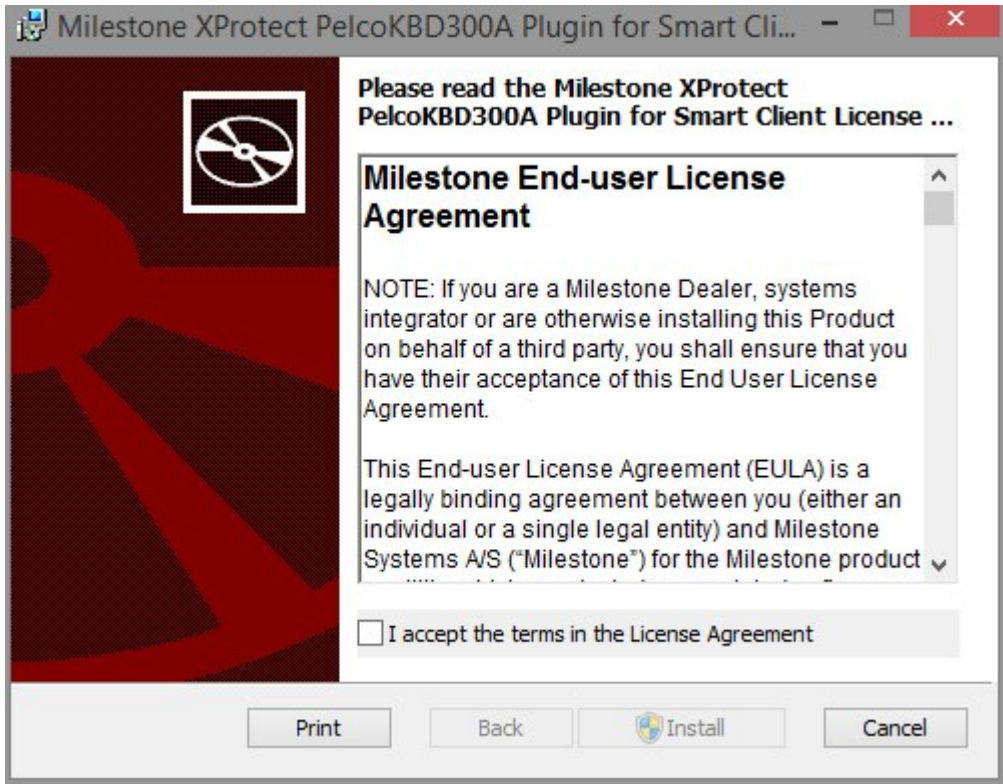

3. To install XProtect Input Unit Plug-in, accept the terms of the license agreement and then click **Install**.

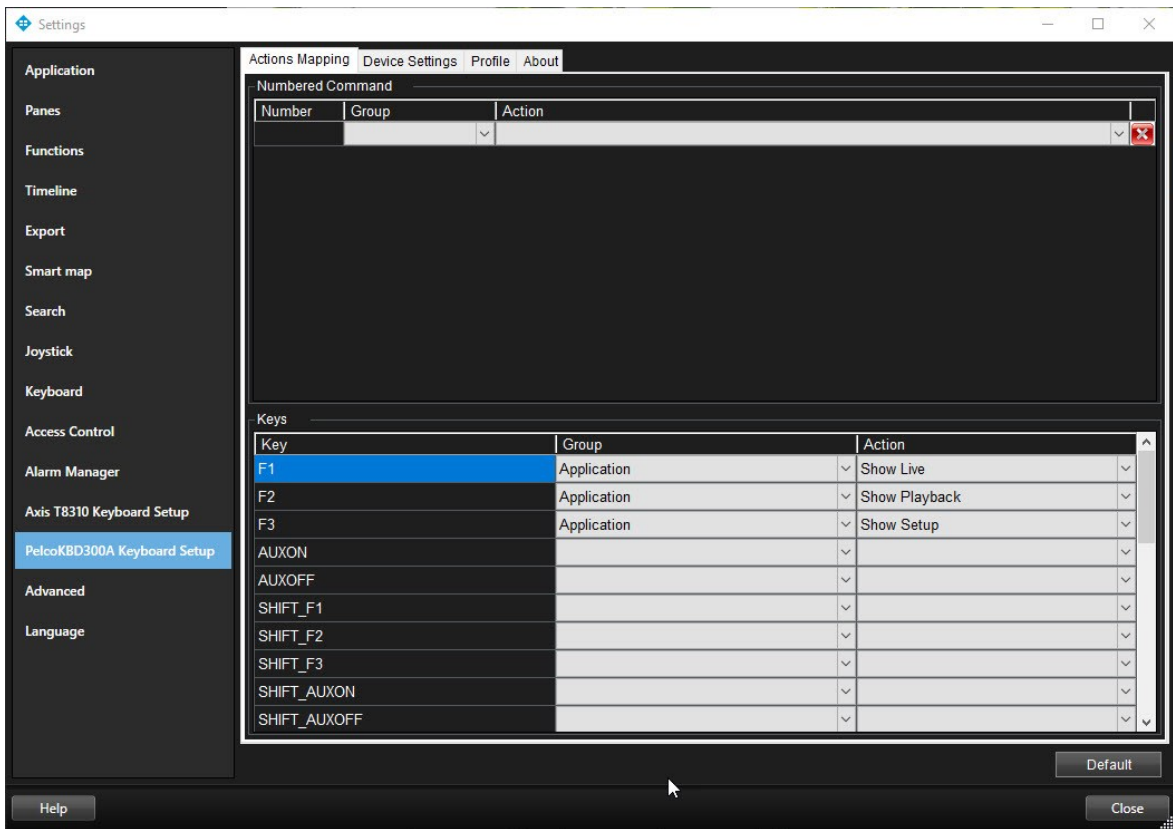4. When the installation is complete, click **Finish.**

Configure the 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 then click **Settings** in the upper right corner.
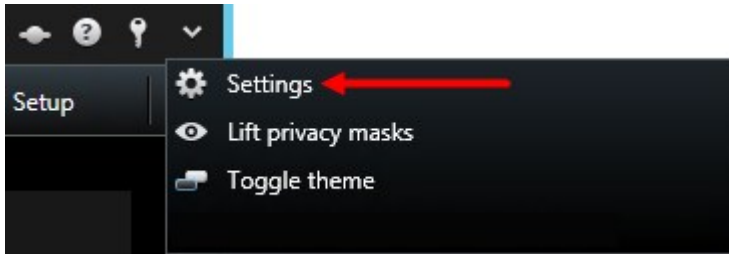
2. In the **Settings** window, click **Pelco KBD300A Keyboard Setup**.

Configurable actions

The XProtect Input Unit Plug-in lets you map keys on the Pelco KBD300A Keyboard to actions, or tasks, in XProtect Smart Client. You can map actions to numbers, or to specific keys such as **MON** or **9**.

For example, you might want to select a specific camera when you press the **ACK** 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.
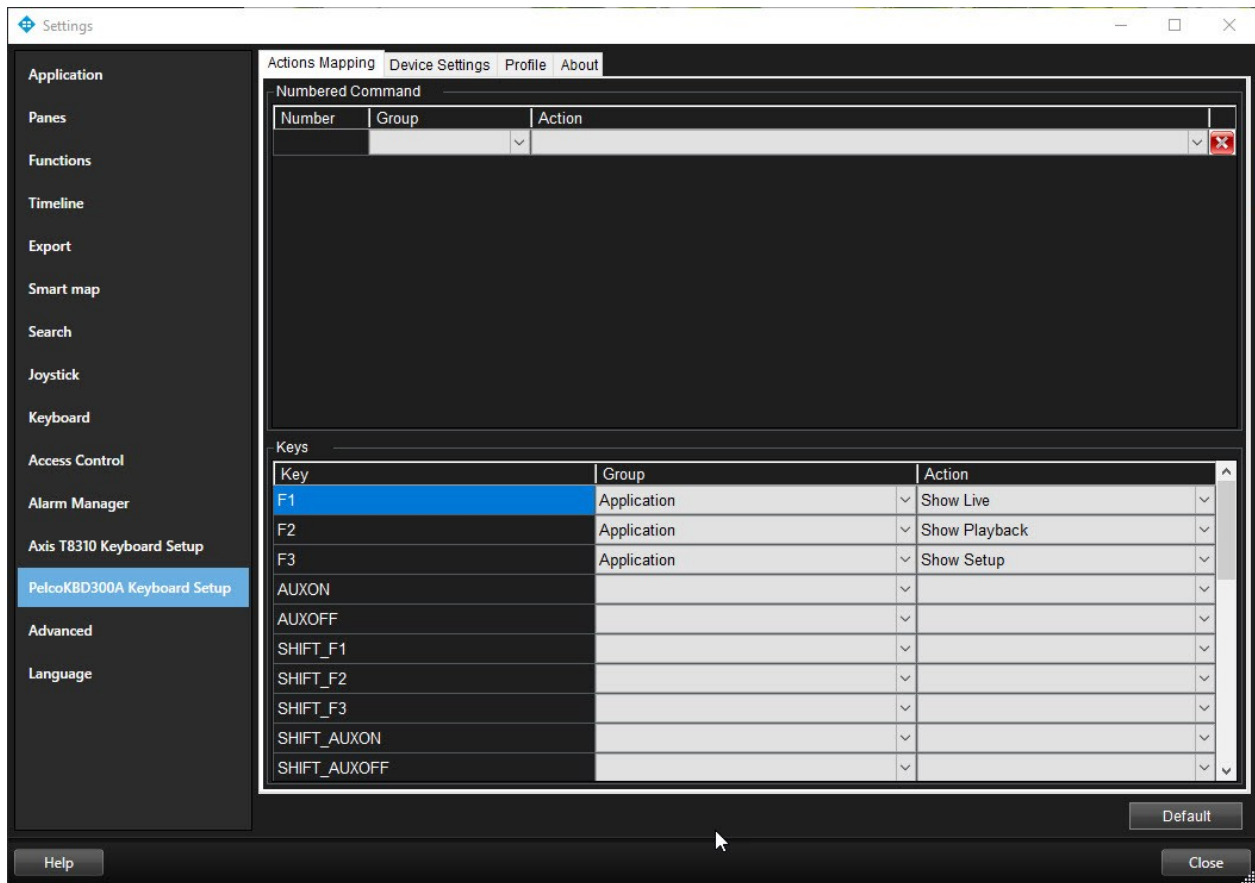
The tab contains two groups. Map actions in each group as follows:

- **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 **ACK** on the Pelco KBD300A Keyboard

- Keys – press the key on the Pelco KBD300A Keyboard

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 or XProtect Management Application, select the camera, click the **Client** tab, and then make sure that a shortcut is defined in the **Shortcut** field.
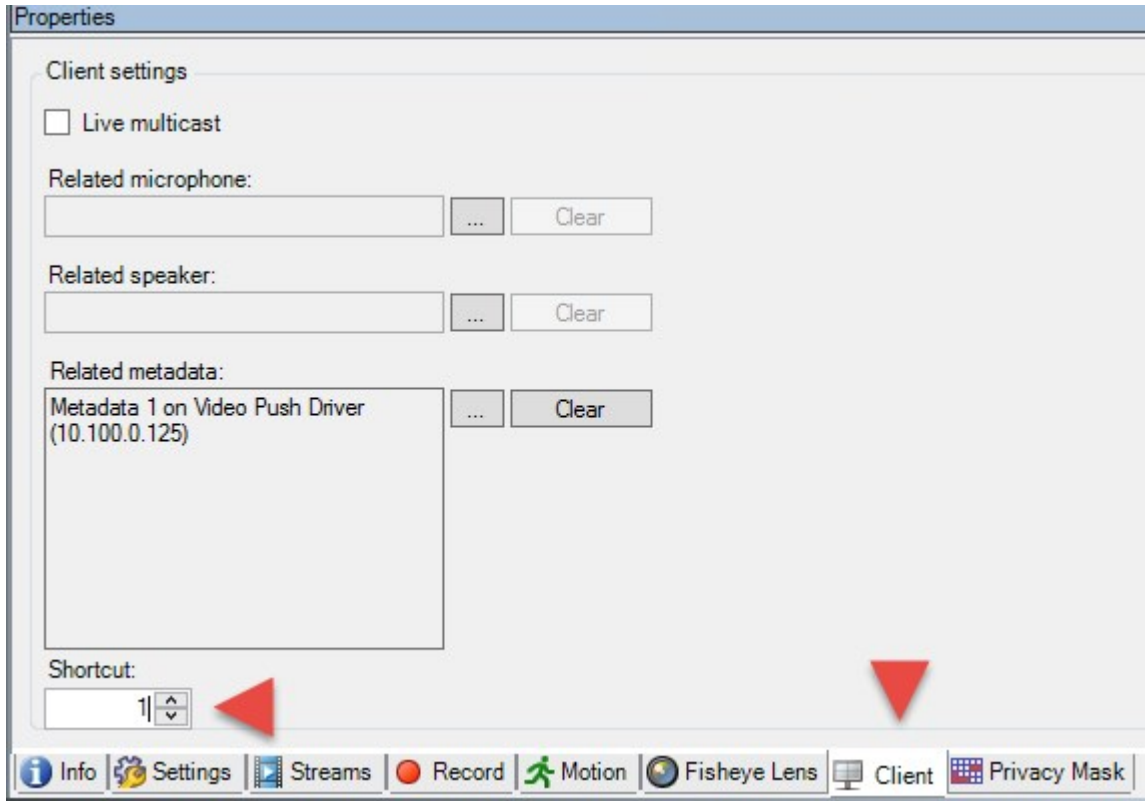
2. In XProtect Smart Client, in the **Settings** window, select a key. Then, in the **Group** list, select **KeyboardPluginActions**. In the **Action** list, click **Select camera**. By default, this action uses the **CAM** key.

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

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 S**tart 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 **ACK**.

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 the profile.
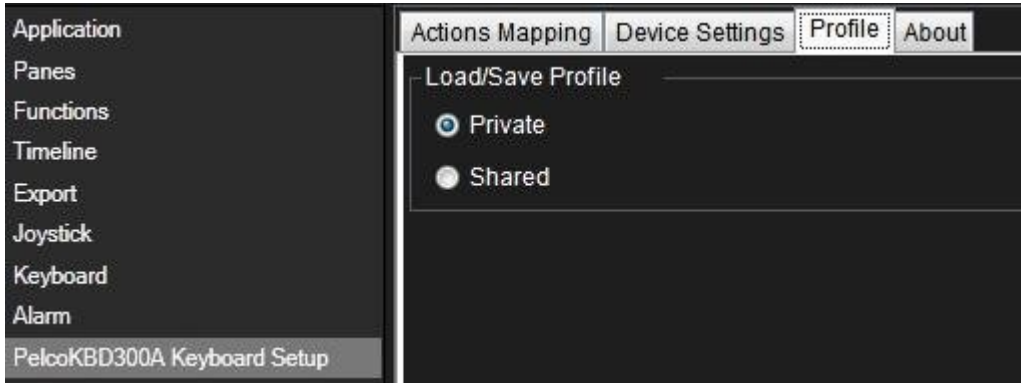
A message dialog displays if the profile changes. For example, if you change the profile from **Private** to **Shared**.
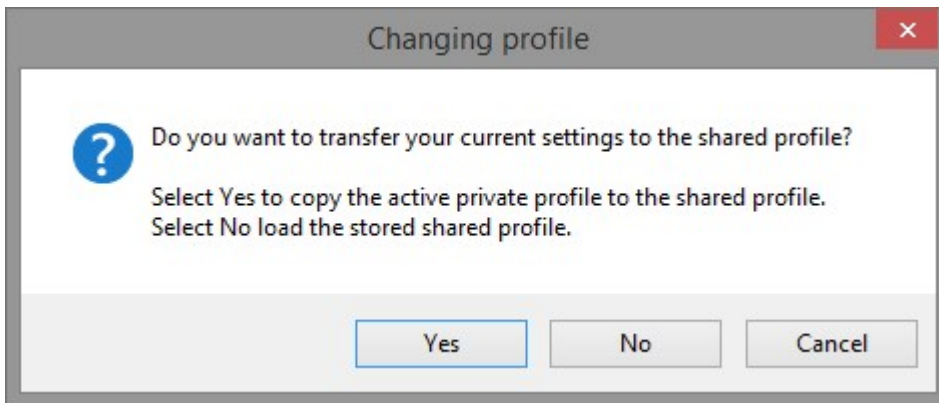

Device settings

Joystick settings

Settings for joysticks are available on the **Device Settings** tab. The joystick tilt direction on the Pelco KBD300A Keyboard is as follows:

- Forward - Tilt the camera up

- Backward - Tilt the camera down

- Right – Pan the camera to the right

- Left – Pan the camera to the left

The **Flip Up / Down** check box inverts these movements. For example, if you select this check box, moving the joystick forward tilts it down.

Adjusting the **Pan/Tilt** and **Zoom** sliders speeds up or slows down movements and zooming.
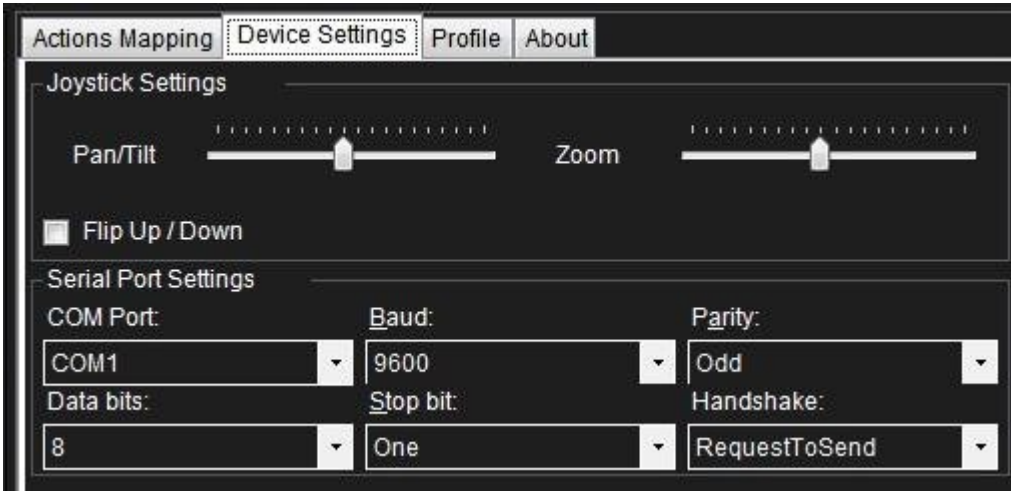
Serial port settings

- **COM Port**: Select the COM (Serial) port that the Pelco KBD300A Keyboard uses. The drop- down list displays all COM port on the computer.

- **Baud**, **Parity**, **Data Bits**, **Stop bit**, and **Handshake**: These must be the same values that are defined on the Pelco KBD300A Keyboard by the system administrator.

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.
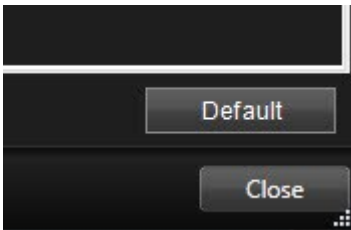
The default settings include:

The following image shows the default mappings.

Key	Group		Action	
F1	Application	v	Show Live	v
F2	Application	v	Show Playback	v
F3	Application	v	Show Setup	v
AUXON		v		v
AUXOFF		v		v
SHIFT_F1		v		v
SHIFT_F2		v		v
SHIFT_F3		v		v
SHIFT_AUXON		v		v
SHIFT_AUXOFF		v		v
MON	KeyboardPluginActions	v	* Select view	v
CAM	KeyboardPluginActions	v	* Select camera	v
ACK	KeyboardPluginActions	v	* Generic command number	v
PREV	Time navigation	v	Previous image	v
FORWARD	Time navigation	v	Start forward playback	v
NEXT	Time navigation	v	Next image	v
REVERSE	Time navigation	v	Start reverse playback	v
HOLD	Time navigation	v	Stop playback	v
PATTERN		v		v
PRESET		v		v
SET_PRESET		v		v
CLEAR_PRESET		v		v
MACRO		v		v
NEAR	PTZ	v	Focus near while pressing	v
FAR	PTZ	v	Focus far while pressing	v
OPEN	PTZ	v	Iris up	v
CLOSE	PTZ	v	Iris down	v
PTZ	KeyboardPluginActions	v	* PTZ	v

helpfeedback@milestone.dk

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