

Impact ActiveX 11.8 Readme file

Welcome to Datalogic's Impact ActiveX, a set of interfaces that provide you access to Datalogic vision devices using standard programming languages.

These ActiveX interfaces work on our line of machine vision devices. Impact vision programs are developed using the Vision Program Manager on a PC (the Client Computer). The software components you develop can then access and control the vision programs. You need to install Impact software on the Client Computer only if you want to use it to modify the vision programs on the Datalogic hardware.

NOTE: In VPM, there is a check box on the General System Object Setup – Communication panel (Enable OPC/ActiveX Server). When enabled, the DPWS server (used by ActiveX) on the Datalogic device starts automatically when the device boots. When you upgrade to this release from release 10.3.0.75 or earlier, this setting is enabled by default.

In new installations of this release, this setting is disabled by default. If you are going to use ActiveX, you must enable this setting. Refer to the Impact Reference Guide (843-0093) for more details.

Information about Datalogic cameras and the other software in the Impact family is available on our website: <http://www.datalogic.com/>

This document is divided into the following sections:

[System Requirements](#)

[Known Issues](#)

[Installation Instructions](#)

[General notes about this release](#)

System Requirements

System Requirements for Impact software on the Client Computer

- Intel, AMD, or VIA x86-class processor -minimum 1.2 GHz; 64-bit processors are supported with Microsoft Windows Vista and Windows 7 operating systems
- Microsoft® Windows XP, Vista, or Windows 7
- 512MB or more of RAM, 1 GB required for Vista and Windows 7 (2 GB recommended)
- 800MB or more of available hard disk space
- 10/100Mbps Ethernet connection
- Display resolution of 1024 x 768 or greater
- A PDF reader is required to read the software and hardware manuals

System Requirements for Impact ActiveX

- The Datalogic device and the client computer must have the same version of Impact software installed. (You need to install Impact software on the Client Computer only if you want to use it to modify the vision programs on the Datalogic hardware.)

NOTE: ActiveX cannot be used on the Datalogic model A30, T4x-Series, or P-Series Smart Cameras.

Known Issues

Some Impact Hardware No Longer Supported

- The following hardware models are no longer be supported by this or future software releases. The last version that will support these models is 11.1.1.11.
 - A10
 - A20
 - C-Series (all models)
 - T10
 - T2x-Series
 - T3x-Series
- When you are using multiple Emulators with ActiveX, you can only use the port numbers from 9933 to 10032. Refer to the Impact Reference Guide (Publication # 843-0093) for details about using multiple Emulators.

Installation Instructions

Installing Impact software (PC and/or Datalogic device)

Important Note: You need to install Impact software on the Client Computer only if you want to modify the vision programs on the Datalogic hardware.

To install the Impact software:

1. You may need to turn off automatic virus checking during the install if it causes installation problems.
2. You must have administrative privileges to install Impact software.
3. Insert the Impact Software Installation CD in the drive and the installation program should start.
4. Click Next to display the End User License Agreement. You must click the radio button to accept the License Agreement to continue with the installation.
5. Click Next to display the Choose Install Set dialog. You can click Cancel to quit the installation at any time during the installation.
 - Select the desired type of installation from the menu, and then click Next.

Typical - This option installs all the Impact software modules on the client computer and updates the firmware and vision programs on one or more Datalogic Impact devices. All programs (VPM, CPM, CPMRE, Settings stand-alone, and Emulator) are installed on the client computer, but only the VPM and Emulator shortcut icons will appear on the desktop after the installation.

Custom - This option installs all the Impact software modules on the client computer and/or updates the firmware and software on one or more Datalogic Impact devices. You can also uninstall client settings and device firmware with this option. **A special installation selection exists to create the CPM desktop**

icon during client installation. Users need to select either the “WITHOUT CPM” or “WITH CPM” option. If both are selected, the CPM shortcut will not be created.

Uninstall Client Settings and Device(s) - This option uninstalls the client settings from the computer and the firmware from Datalogic Impact devices. It does not install any software or remove a user’s vision programs.

6. Select the default directory for the Impact software, click Choose to browse to the desired directory, or type in the directory name. Click next when you are done.
7. Select the default directory for the Impact software data files (Root directory) or click Choose to browse to the desired directory. You can put the Root directory on the client computer or on a network device so multiple clients can share it. Click next when you are done.
8. If you have selected Typical, or Custom with a device installation, you must select one or more Datalogic devices from the list of devices. Click Refresh to update the device list. If the device does not appear in the list, check its power and Ethernet connections. (The default IP address for each device is 192.168.0.128 when it is shipped.) Click Next when you are done selecting devices.
The installation will fail if the client computer and device IP addresses are not correctly configured or the indicated Datalogic Impact device is not connected to the client computer.
Note: If security is enabled on the device, you will not be able to install new software on it. You must exit the install program, disable security on the device, and restart the installation program.
9. When the Pre-installation Summary is displayed, click Next and the installation will begin.
10. Next, you can start Impact software. Refer to the Impact Reference Guide for more details.

NOTE: ActiveX cannot be used on the Datalogic model A30, T4x-Series, or P-Series Smart Cameras.

Installing Impact ActiveX software (PC and Datalogic Impact device)

Important Note: The Impact ActiveX installer installs software only on the Client Computer. To use ActiveX, you must install the firmware part of Impact software on the Datalogic Impact device. See Installing Impact Software in the previous section.

1. You may need to turn off automatic virus checking during the install if it causes installation problems.
2. You must have Administrative privileges to install Impact software.
3. Double-click on the Impact ActiveX setup program icon and the installation program should start.
4. When the Welcome screen is displayed, click Next. You can click Cancel to quit the installation at any time during the installation.

5. Click Next to display the License Agreement. You must click the radio button labeled “I Agree” if you want to accept the License Agreement and continue with the installation.
6. Click Next to display the Select Installation Folder dialog. Click Browse to browse to the desired directory, type in the directory name, or make no changes to select the default directory. Click Next to continue when you are done.
7. Click the desired radio button to choose who will have access to the ActiveX installation. Click Next when you are done.
8. When the Confirm Installation screen is displayed, click Next and the installation will begin.
9. When the installation has completed, the Readme file is displayed. Click Next to continue.
10. When the Installation Complete screen is displayed, click Close to close the installation program.
11. If you are using a programming language to create interfaces to Impact ActiveX, you must import the Impact ActiveX component into the programming language environment you are using. You may also need to install a group of library files called Primary Interop Assemblies. Refer to the Impact ActiveX Reference Guide and the Getting Started Guide for the appropriate ActiveX programming environment for more details.

Uninstalling Impact software

To uninstall Impact software, follow these steps:

1. From the Windows Start menu select Settings - Control Panel - Add/Remove Programs.
2. Select either Inspection Builder or Impact (depending on the version of Impact software installed) and press the Add/Remove button.

To uninstall Impact ActiveX software, follow these steps:

3. From the Windows Start menu select Settings - Control Panel - Add/Remove Programs.
4. Select Impact ActiveX and press the Add/Remove button.

General Notes about this release

A PDF reader is required to open Impact software PDF manuals and online help

For your convenience, an Open Source PDF reader is installed on the M-Series and MX-U Series processors so you can open the PDF Reference Guide and other manuals.

Datalogic Automation, Inc. is not responsible for the performance or reliability of this PDF reader software. For support, refer to the reader documentation.