

Spectrum Controls 1769sc-IF4IH DTM Software

Version 1.0.0.4

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About the DTM Software and Version Update

The Spectrum Controls 1769sc-IF4IH DTM Software is a Device Type Manager (DTM) for use with a CompactLogix system containing 1769sc-IF4IH (Highway Addressable Remote Transducer) I/O modules.

The DTMs allow field device tools (FDTs), such as Endress+Hauser FieldCare or FactoryTalk AssetCentre, to communicate with HART devices through the CompactLogix and HART I/O modules.



Required System Components

The following section describes the system and software required to install the Spectrum Controls DTM software.

Operating System

Use one of the following operating systems to run the DTM software:

- Windows XP operating system with service pack 2
- Windows 7 (32 bit) operating system

FDT Frame Applications

Spectrum Controls DTMs were tested for use in the following FDT Frame applications:

- Rockwell Automation FactoryTalk AssetCentre software
- Endress+Hauser FieldCare software
- Pepperl & Fuchs PACTware software
- M&M Software fdtContainer software

MSXML 4.0 required

Microsoft MSXML 4.0 is required.

Hard Disk Requirements

You need these hard disk space requirements:

- Approximately 10 MB during operation
- Approximately 30 MB during installation

Other System Resources

For the DTM to execute properly, the following system resources must be available:

- CPU of at least P3, 500 MHz, or equivalent
- Working memory (RAM) of at least 256 MB

Module Requirements

The following are required for the DTM to communicate successfully with the module:

- Firmware rev 2 or later.
- RSLogix projects created using the module's add-on profile v1.3 or later.

Known Anomalies

- Attempting to connect to a CompactLogix on an incorrect IP Address will cause the FDT Frame Application to hang.
- Attempting to connect to a CompactLogix that is unreachable (i.e. Ethernet cable disconnected) will cause the FDT Frame Application to hang.
- HART Pass Through Query Requests greater than 38 bytes are not supported.

Compatibility Issues

Projects created with v1.0.0.0 will only communicate with modules that have been configured using the 1769-Generic Profile in RSLogix.

Projects created with FieldCare prior to version 2.07 will have issues closing the project, where FieldCare may report an error.

Install DTM Library Software

Complete the following tasks to install the DTM Library software.

Use the Setup Wizard to Install the Software

Complete the following steps to install the DTM software.

1. Double-click the SC 1769sc-IF4IH DTM 1.0.0.4 Setup.exe file. The setup wizard opens.
2. Click Next to continue the installation.
3. Accept the terms of the license agreement and click Next.
4. The setup wizard should begin the installation.

The setup wizard indicates that the installation is complete.

Update the DTM Catalog

After you have installed the DTM Library software, you must update the DTM catalog in the Endress+Hauser FieldCare, FactoryTalk AssetCentre software.

Update with FieldCare Software

Complete these steps to update the DTM catalog.

- 1. Open the FieldCare software.
- 2. From the menu bar, select DTM Catalog > Update.
- 3. Click Update.
The software searches for and displays the DTMs.
- 4. Select the newly-installed DTMs and click Move.
The selected DTMs are added to the catalog.
- 5. Click OK to save your changes and exit.

Update with FactoryTalk AssetCentre Software

Complete these steps to update the DTM catalog.

- 1. Open the FactoryTalk AssetCentre Software.
- 2. From the menu bar, select Tools > DTM Catalog.
- 3. Click Scan.

The software searches for and installs the new DTMs.

Additional Resources

These documents contain additional information concerning related Spectrum Controls products.

You can view or download publications at <http://www.spectrumcontrols.com/>.

Resource	Description
Compact I/O Isolated HART Analog Module, User Manual 0300215-02 Rev. B	This manual describes how to install, configure, and troubleshoot your CompactLogix HART analog I/O modules.
RSLogix add-on profile.	This install allows one to add the device in the RSLogix IO tree and generate module tags.