

Rosemount™ Engineering Assistant Software for Rosemount MultiVariable™ Transmitters

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The following document addresses some frequently asked questions (FAQ) about Engineering Assistant. If you have further questions, contact your local Emerson representative.

1.0 What is Engineering Assistant (EA)?

The EA software is a PC-based software program used to configure and calibrate Rosemount's MultiVariable Mass Flow Transmitters. EA is required for configuration of Rosemount 3051SMVs with mass, volumetric, and energy flow option and the legacy Rosemount 3095. EA can also be used to configure the Rosemount 333 Tri-Loop™.

2.0 What is the difference between EA 5 and EA 6?

EA 5 and EA 6 are two separate software programs that serve different needs.

- EA 5 supports the following:
 - Rosemount 3051SMV with FOUNDATION™ Fieldbus protocol
 - Rosemount 3051S FOUNDATION Fieldbus with the mass flow calculation
 - Legacy Rosemount 3095 with HART® protocol
 - Rosemount 3095 with FOUNDATION Fieldbus protocol
 - Rosemount 333 Tri-Loop
- EA 6 is used to configure the Rosemount 3051SMV with HART protocol.

EA 6 is not a replacement for EA 5 as they configure different devices. If both software programs are required, the EA Launch Portal can be used to easily launch the correct version.

3.0 What do "Stand-Alone" and "SNAP-ON" mean?

Stand-Alone means that EA can be installed by itself and run a version of EA that does not require any additional software. The SNAP-ON™ version runs as a SNAP-ON application for AMS Device Manager, allowing the user to configure all devices from within AMS Device Manager. Both EA 6 and 5 have a SNAP-ON and Stand-Alone version.

4.0 What version of EA do I need for my device and operating system?

Device	Windows™ version	EA Stand-Alone version ⁽¹⁾	EA SNAP-ON version
Rosemount 3051SMV with HART Protocol	Windows 10, Windows 8.1, Windows 7, Server 2016, Server 2012	6.3 or newer	6.3 or newer
Rosemount 3051SMV with FOUNDATION Fieldbus Protocol	Windows 10, Windows 7, Server 2008	5.5.1 powered by AMS 13.5	5.5.1
Rosemount 3095 with HART or FOUNDATION Fieldbus Protocol	Windows 10, Windows 7, Server 2008	5.5.1 powered by AMS 13.5	5.5.1
Rosemount 3051S FOUNDATION Fieldbus with HO1	Windows 10, Windows 7, Server 2008	5.5.1 powered by AMS 13.5	5.5.1
Rosemount 333 Tri-Loop	Windows 10, Windows 7, Server 2008	5.5.1 powered by AMS 13.5	5.5.1

1. Windows Server versions only work with EA SNAP-ON.

5.0 What are the system requirements for Engineering Assistant 6?

- Pentium-grade processor: 500 MHz or faster
- Operating system: see operating system section of FAQ
- 256 MB RAM
- 100 MB free hard disk space
- RS232 serial port or USB port (for use with HART modem)
- CD-ROM

Note

~~Engineering Assistant version 6.1 or later requires the use of Microsoft® .NET Framework version 4.0 or later. If it is not currently installed, the software will be automatically installed during the Engineering Assistant installation. Microsoft .NET version 4.0 requires an additional 200 MB of disk space.~~

Note

To install Engineering Assistant 6.5 or later, you must have April 2014 update rollup for Windows 8.1, and Windows Server 2012 R2 (KB2919355) installed. Or, install Service Pack 1 for Windows 7 or Windows Server 2008 R2. Or, install Service Pack 2 for Windows Server 2008.

6.0 Do I need to have AMS Device Manager to use EA 5.5.1?

No, EA 5.5.1 powered by AMS 12.5 is the Stand-Alone version of EA 5. AMS Device Manager is running in the background but is not required to be purchased or downloaded separately from the targeted version of EA 5.5.1.

7.0 How do I order EA?

The SNAP-ON version of EA 6.3 or newer can be ordered through the Asset Optimization business unit, while the Stand-Alone version will be ordered through Rosemount. However, if users already have a version of EA 6, they will be able to upgrade to EA 6.3 or newer Stand-Alone for free through Emerson.com/Rosemount. See [Table 1-1](#) for EA 5 and 6 ordering information.

Table 1-1. EA 5 and 6 Ordering Information

What user wants	What user has	User action	Model number
EA 5 or 6 SNAP-ON	AMS Device Manager	Place order with AO for EA SNAP-ON	AW7072EA
EA 6.X Stand-Alone	EA 6.0-6.2X	Upgrade to EA 6.X online	N/A
EA 6.X Stand-Alone	Nothing installed	Place order with Emerson representative for EA 6.X	EA3E0N1
EA 5 Stand-Alone	Nothing installed	Place order with Emerson representative for EA 5.5.1	EA2E0N1

8.0 How do I install EA?

Depending on the version being installed, there are different instructions. Following is a brief overview of how to install the various versions of EA.

Remember

EA 6 does not replace EA 5 and EA 5 does not replace EA 6.

8.1 EA 6 Stand-Alone: CD installation

1. If an earlier version of EA 6 is installed, this version must be uninstalled before beginning the install of EA 6.
2. Run the **Setup.exe** file (you may need to right click and select **Run as Administrator** for certain operating systems and security settings).
3. Follow the installation wizard and restart the computer when prompted.

8.2 EA 6 and 5.5.1 SNAP-ON

1. Obtain the SNAP-ON installation from Asset Optimization.
2. Run the **Setup.exe** file in the *SNAP-ON installation* folder.
3. Follow the installation wizard and restart the computer when prompted.
4. If the Engineering Assistant SNAP-ON license is not already enabled, contact an Asset Optimization representative to obtain one.
5. Enable all user permissions required to run SNAP-ON applications.

8.3 EA 5 Stand-Alone: CD installation

1. Insert Rosemount Engineering Assistant (EA) Software disk into the CD-ROM.
2. Right-click **Setup.exe**, select **Run as Administrator**. Install in default location and reboot the PC when prompted.

Note

If installation does not fully complete, manually enable .NET 3.5 by clicking “Turn Windows features on or off” located at Control Panel\All Control Panel Items\Programs and Features, and rerun the installation.

3. If there are old versions of EA 5, uninstall them by selecting **Remove** when prompted.

Note

Do not uninstall EA 6; EA 5 is not a replacement for EA 6.

4. In the AMS Network Configuration select “**Add...**” to add **FF HSE Network** then follow the prompts.
5. Right-click **Config.bat**, select **Run as Administrator**.
6. Using the Fieldbus interface and its Configuration Utility software. It is possible to set power to the device if the loop power is not available.
7. If the connected Fieldbus device is at a non-commissioned address, with the Emerson USB Fieldbus Interface connected, use its Configuration Utility to “Commission” the device.
8. Close the Fieldbus Interface Configuration Utility.

9.0 How do I update my version of EA?

EA 6 follows Emerson continuous improvement processes and is updated approximately every 12 months. The newest versions contain updated standards and other important information required to use the Rosemount 3051SMV HART Device. Users should always update their version of EA to the latest version. EA 6 is available as a free online upgrade for users who already have EA 6. For an updated copy of EA 5, contact your local sales representative.

9.1 EA 6 Stand-Alone: web upgrade

Note

An earlier version of EA 6 is required and should NOT be uninstalled before beginning web uninstall.

1. Click the download link on the EA 6.X [download page](#).
2. Once downloaded, navigate to the folder and extract (unzip) the contents.
3. Run the **Setup.exe** file from the unzipped folder (may need to right click and select **Run as Administrator**).
4. Follow the installation wizard instructions (including uninstall of EA 6.X), and then restart the computer.

10.0 What other equipment is needed for transmitter configuration?

A modem and connecting cables are required for connecting the transmitter to a computer for configuration. This modem can be ordered directly in the EA model string or as a separate model number.

Devices	Modem	Order code in model number
Rosemount 3051SMV with HART protocol or Rosemount 3095 with HART	USB port HART Modem and cables	B
Rosemount 3051SMV with HART protocol or Rosemount 3095 with HART	Serial port HART Modem and cables	H
Rosemount 3051SMV with FOUNDATION Fieldbus protocol or Rosemount 3095 with FOUNDATION Fieldbus Protocol or Rosemount 3051S with HO1	FOUNDATION Fieldbus USB Interface and cables	J

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