

# Graco Advanced Material Reporting (AMR) Software, Version 1.0.6.6



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309308

Rev. A

## READ THIS BEFORE INSTALLING

### Important Software Installation Instructions

The installation instructions below use the letter X to represent the drive letter dedicated to the CD-ROM drive on your computer. In your installation process, replace the X with the appropriate drive letter.

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#### Background on the AMR installation:

The installation process for AMR consists of installing two distinct software components. One of the components is AMR itself; the installation of AMR requires the other component, called Microsoft Data Access Components (MDAC) 2.5. Early in the installation process, you have the option to manually select/deselect either or both of these components. By default, both are selected for installation.

If you are using Windows 2000, you won't need to install MDAC because it is shipped with the operating system. If you are using Windows 98 or NT4, you will need to install MDAC.

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#### Installation for NEW users only (existing AMR users, see next section):

Before starting the installation, save your work and close all running applications.

Run X:\setup.exe to start the installation. Any existing AMR installation will be overwritten, including configuration, data, and all settings.

During the installation process--just after the MDAC portion of the install completes--you may be prompted to reboot the computer. This will happen if you did not previously have MDAC installed on your computer. Although you are given the option to reboot at a later time, we recommend you reboot immediately. When Windows comes back up after the reboot, restart the AMR setup process by running X:\setup.exe again. This time, when you get to the component selection screen, only the AMR menu item should be selected. Continue on with the setup from this point to complete the AMR install.

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#### Installation for EXISTING users:

These instructions apply only to current users who already have AMR installed, any version older than 1.0.6.6. If you do not currently have AMR installed, follow the instructions in the section above.

To find out what version you have, click on Help on the main menu bar and choose "About PrecisionView AMR" from the drop-down list.

The installation process will simply replace the existing PViewAMR.exe file your AMR installation has with a newer version of the same file. The installation is designed to retain all existing configuration and data. However, for an extra measure of safety, make a backup copy of the AMR database--which stores all configuration and data--before starting this install. Save the backup copy of the database to some other convenient location--this might be a different place on your hard drive, on a network drive, or on an Iomega Zip disk, for example.

To make a backup copy of the AMR database on your hard drive, open Windows Explorer and navigate to the directory in which the original AMR installation was made. The default location is C:\Program Files\Graco\PrecisionView AMR. The AMR database file is named PViewAMR.mdb and will be found in this directory. Right-click on PViewAMR.mdb and select Copy. Then navigate to some other place on the hard drive where you would like to keep the backup copy of the database. Right-click in the destination folder and select Paste. This will make a duplicate copy of the database in the new location. Should the database in the installation directory become deleted or corrupted in any way, simply copy the backup database back to the installation directory.

Run X:\PViewAMR\_ServicePack.exe to start the installation. Install it in the same directory as your original installation.

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## General Notes

AMR must be running and online with all stations at all times in order to accurately track jobs and log them to AMR's database. This is important because the Volatile Organic Compound (VOC) and Hazardous Air Pollutant (HAP) calculations completely depend on logged jobs.

A job is specific to a recipe; if you change recipes, you change jobs.

A job will not appear in the production detail and summary reports until after the job has ended.

A job on the PrecisionMix II ends (automatically starting a new one) when one of four things happen:

1. The PrecisionMix II operator zeros the job totalizers on the local user interface.
2. The PrecisionMix II operator presses the Print button on the operator station. This works only for the active recipe.
3. The AMR operator selects the PrecisionMix station and clears the job totals. This works only for the active recipe on the currently selected station.
4. The PrecisionMix II has the color change option and is configured to automatically end the job when a color change is initiated. See the Printer Reports section of the PrecisionMix II user manual (Graco part number 308916) on how to set this configuration.

**Important:** If a job ends while AMR is not online or otherwise not communicating to the PrecisionMix II, the job will not be logged to the AMR database. The PrecisionMix II does not log it either, so the job totals will be lost. For this reason, the AMR computer should be a dedicated to this function only and it is recommended that you plug the AMR computer into a UPS.

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## Known Issues/Problems

1. AMR will not track solvent usage due to a system purge while the PrecisionMix II is in recipe zero. It WILL track the solvent usage due to a color change from a recipe to recipe zero, but while in recipe zero, it will not. This is due to the nature of the PrecisionMix II control software itself, not AMR, and must be taken into account when tracking solvent usage.
2. On rare occasions, the recipe icons shown beneath each PrecisionMix II station in the Network Overview pane may disappear. There are two workarounds for this: 1) restart AMR, or 2) disable communication to that particular station and then reenables communication. To do this second workaround, go to station properties by right-clicking on the station and choosing Properties. Select the General tab, deselect "Enable Station Communication" and click OK. The dialog box will close. Go back to station properties, select "Enable Station Communication" and click OK.
3. On networks with many stations (on the order of ten or more), there is a potential to miss alarms that occur on the PrecisionMix II. Specifically, this happens when an alarm occurs and the PrecisionMix II operator quickly clears the alarm. AMR will log only new, active alarms; it does this by repeatedly polling each station on the network for new station information. Due to the large volume of network traffic, the time between polls to a given station becomes relatively long. If the alarm occurs and is cleared between polls to the station, the alarm will effectively be missed and not added to the AMR alarm/event log. This is a direct result of the large amount of data traffic on the network, and the probability of this happening increases proportionately with the number of stations, on the order of about one second per station. Similarly, the fewer stations there are on the network, the faster/better the network communication performance will be.