

# GUARDIAN

## Ingress ManagR 3.X Upgrade Guide

### General Information

**Ingress ManagR 3.X** is the newest version of Trilithic's powerful return path status monitoring software which will give you access to the SST and TPX devices in your 9580 SST or 9581 SST system via a modem, ethernet, or direct connection to your PC.

### NEW FEATURES

This expanded version of Ingress ManagR has several exciting features (for more information regarding these features, refer to the *INGRESS MANAGR 3.X OPERATION MANUAL*):

- SNMP compatible
- Auto Updating Status Tree
- Simultaneous Operation of Status Monitor/  
Live Monitor/Playback/Edit Ident/Edit Scan Strategy
- Extended Frequency Coverage up to 65 MHz (9581 SST only)
- Compatible with new NCM-4, version 3
- Supports SSTs with TrafficControl Option
- Poll and Ping Multiple Ingress Limits settable to 375 kHz frequency resolution
- Ingress Limits settable in 375 kHz increments

Version 3.X also has many enhancements to user interface operations which makes it the most user-friendly Ingress ManagR program to date.

### HARDWARE REQUIREMENTS FOR USING ALL FEATURES

In order to take full advantage of the new/enhanced features in Ingress ManagR, your system requires the following minimum firmware. You can verify the firmware version by using Ingress ManagR 3.X to **READ HUB** configuration (page 63, *INGRESS MANAGR OPERATION MANUAL*) or check each component independently:

- 9580 SST – Version 3.05 – version number appears in lower LEFT corner when the unit is first turned ON.
- 9581 SST – Version 2.10 – from the MAIN screen, press **SETUP**, arrow down to **EXIT SETUP** and press ? (**HELP** button).
- NCM-4 – Version 3.25 – Use **NCM-4 SETUP** software and press the **STATUS** button.
- ACM-8 – Version 3.23 – version number appears in the lower RIGHT corner when 9580 SST unit is turned ON. When installed in 9581 SST, use Ingress ManagR to **READ HUB** configuration.

Once you have verified the minimum settings, Ingress ManagR 3.X should be able to perform all of the functions available in Ingress ManagR 2.X as well as it's own new/enhanced features.

If you need assistance in identifying firmware versions in your Trilithic products, please contact Trilithic at: 1-800-344-2412.

### NEW FEATURES NOT AVAILABLE WITH OLDER FIRMWARE

Without the minimum firmware upgrades, you may still use Ingress ManagR 3.X however, the following features will NOT be available:

- Ping to multiple limits or set ping limits settable in 375 kHz frequency resolution.
- Support of TrafficControl option.

### Upgrade Guidelines

#### HARDWARE UPGRADE NOTES

##### ACM-8

In order to take advantage of all of Ingress ManagR 3.X's features, you will need to have ACM-8 version 3.23 or higher.

1. Install the new ACM-8 firmware kit (P/N 2071197001) per the kit instructions.
2. Install Ingress ManagR 3.X per the *SOFTWARE INSTALLATION PROCEDURE* on the back of this sheet.

##### NCM-4

In order to take advantage of all of Ingress ManagR 3.X's features, you will need to have NCM-4 version 3.25.

1. You will need to contact Trilithic for the upgrade firmware file.
2. Once you have the upgrade firmware file, install it by using the **UPGRADE FIRMWARE** button on the NCM-4 SETUP SOFTWARE (see *UPGRADE FIRMWARE*, page 21 in the **NCM-4 OPERATION MANUAL**).

3. Install Ingress ManagR 3.X per the *SOFTWARE INSTALLATION PROCEDURE* below.

### SOFTWARE INSTALLATION PROCEDURE

When you install Version 3.X, it will install into a default directory. If you decide to change this default, **do NOT** install Version 3.X into Version 2.X's directory. This way, the two versions will function independently.

**CAUTION:** While you can run Version 2.X and Version 3.X simultaneously to bring previous settings into Version 3.X, you should never run both Versions at the same time when collecting and/or viewing data (i.e. LIVE Mode, Scan Strategies).

**IMPORTANT:** If you have installed an earlier or beta version of Ingress ManagR 3.X, you should remove this older version **BEFORE** installing this release. To remove the previous installation, go to **START > SETTINGS > CONTROL PANEL**. Select **ADD/REMOVE PROGRAMS**. From the list of installed software, select **INGRESS MANAGR 3.0** and then *click* on the **REMOVE** button.

### SOFTWARE INSTALLATION PROCEDURE

1. If you are running **CompressR** (DIA Suite) in AUTOMATIC Mode, shut down the program.
2. Shut down Ingress ManagR 2.X. Otherwise, you may encounter installation problems.
3. Use ArchivR's manual function to permanently archive temporary data files. Then use Windows Explorer to save the Hub log FIFO to a permanent location.
4. Refer to Chapter 2 (*Installation Procedures*) in the *INGRESS MANAGR 3.X OPERATION MANUAL* to install Ingress ManagR 3.X.

### MIGRATE INGRESS MANAGR 2.X SETTINGS TO INGRESS MANAGR 3.X

Once you have installed Ingress ManagR 3.X, you may want to import files and setup parameters from Ingress ManagR 2.X. You should do these imports **BEFORE** you open Version 3.X for the first time.

1. Copy the configuration file, **IDINFO.BIN** from the Ingress ManagR 2.X program folder (typically C:\Ingmangr) into the Ingress ManagR 3.X program folder (selected during installation). Ingress ManagR 3.X converts the **IDINFO.BIN** file into the new format the first time the program is run.
2. Copy the **IM\_MODEM.INI** file from Version 2.X to Version 3.X (do NOT copy the **IM.INI** file).
3. Copy all Scan Strategy files (ending in **.SGY**) from the Version 2.X program folder into the Version 3.X program folder.
4. Many of the program options and preferences must be configured manually. There are two ways to configure Version 3.X to correspond to Version 2.X.
  - Write down all of the appropriate settings in Version 2.X before you run Version 3.X, or
  - Run both Ingress ManagR programs at the same time and check/set the options from Version 2.X to Version 3.X one at a time.
5. Parameters you should consider with regard to the update include the following:
  - Alarm Settings – select **ALARM** from the SETUP Menu. In Version 2.X, settings for wave file, display message, call pager and alarm data file will be indicated as active via “\*\*\*\*”. These settings correspond directly to their counterparts in Version 3.X.
  - File Control Settings – select **FILE CONTROL** from the SETUP Menu. The number of records and percentage of data maintained in the FIFO correspond directly to their counterparts in Version 3.X. Also available are options to remove old records rather than archiving as well as to maintain LIVE, PLAYBACK and STRATEGY databases.

Refer to Chapter 5 (*CONFIGURE SOFTWARE*) in the *INGRESS MANAGR 3.X OPERATION MANUAL* for more information regarding software configuration.

### UNINSTALL INGRESS MANAGR 2.X

Once you have installed Ingress ManagR 3.X, migrated your settings and are satisfied with its performance, you may want to uninstall Ingress ManagR 2.X from your system. Remove the program files using Windows Explorer.

