

# Release Notes

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**Title:** PremNet™ ENMM Version 2.7

**Part/Document Number:** PND8500192-32/A

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## Introduction

These Release Notes list various customer issues concerning the PremNet Enhanced Network Management Module (ENMM) Version 2.7 and describe enhancements that Milgo now offers to rectify customer concerns.

## Customer Issues

The following issues have been addressed:

- Upgrade from version 2.6x corrupts connection information.
- A clear connection database command is required.
- Holding down any character key on the keyboard causes the ENMM to reset.
- Entering more than 57 characters in the SNMP configuration parameters causes the ENMM to reset.
- The connection table may become corrupted during System Master Node (SMN) power-up.
- Moving an ENMM from a Network Node to a System Master Node causes problems with module ID numbers when viewing the system display.

## Enhancements

The following enhancements were made:

- Connection tables and connection names are now stored in EEPROM.
- Connection tables and connection names are now protected by a checksum.
- The data in EEPROM is now protected during power-up and power-down by a software protection algorithm.

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- If the EEPROM version of the connection table becomes corrupted, the following two error messages are displayed and the connection tables are rebuilt:

Connection information in EEPROM invalid.

Rebuilding connection table from network.

## Upgrading to Single-Ring Software Revision 2.7

Before starting this procedure, make note of all connections on your network.

To upgrade the System Master Node (SMN):

*Recommended Procedure (Service-Affecting):*

1. Delete all connections, then proceed with the installation instructions described in the Firmware Upgrade Installation Guide section.
2. Re-enter the connections.

*Alternative Procedure (Non-Service-Affecting)*

1. Proceed with the installation instructions described in the Firmware Upgrade Installation Guide section.
2. Under most conditions, connection corruption will not occur. Connection corruption is visible in the form of lost connections. If corruption is present, contact your Milgo support representative for assistance.

It is recommended that all ENMM-based network nodes (nn) be upgraded to the same software revision.

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**Note:** Once an ENMM has been configured as an SMN, it is recommended that its configuration not be changed.

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## Software Details

Part Number	PCB Reference Locator	Checksum
742-00248-27	U62	0x03DE
742-00249-27	U54	0xCD92

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# Firmware Upgrade Installation Instructions

This section explains how to install new firmware in a PremNet Enhanced Network Management Module (ENMM). These instructions pertain to all ENMM firmware upgrades.

1. Loosen the two screws at the top and bottom, holding the ENMM in the PremNet chassis.
2. Remove the ENMM from the node to be upgraded. You can do this without switching off the unit, since the PremNet modules are hot-swappable.
3. Locate U54 and U62 on the ENMM. The firmware labels on these chips depend on your current firmware revision. They should have labels as follows:

U54    00249   *xxx*

U62    00248   *xxx*

where *xxx* is the current revision of the firmware

4. Using the appropriate EEPROM extraction tool, remove the firmware chips currently installed in these sockets.
5. Install the new firmware in place of the firmware that you removed. Position each chip so that the notch faces the same direction as the notch on the socket. Ensure that the reference designator matches the location on the printed circuit board.
6. Reinsert the ENMM module into the chassis and tighten the two screws on the top and bottom of the chassis.