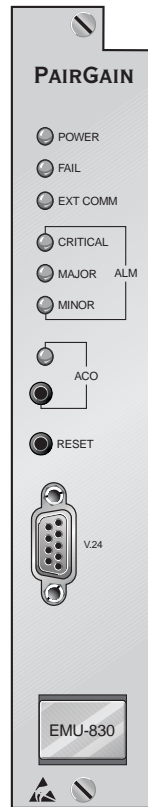


# HiGAIN-ETSI

## EXCHANGE OFFICE MANAGEMENT UNIT SOFTWARE RELEASE NOTES – VERSION 3.21

Model	List Number	Part Number
EMU-830	1	150-1440-01
EMU-830	2	150-1440-02
EMU-830	3	150-1440-03



**PAIRGAIN TECHNOLOGIES, INC.  
ENGINEERING SERVICES SOFTWARE RELEASE NOTES  
SECTION 190-800-122-01**

**Revision History of This Document**  
Revision 01—October 26, 1998  
A) Initial Release

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## A. SOFTWARE RELEASE OVERVIEW

### 1. Description

This document describes the new features, bug fixes, known remaining bugs, and compatibility issues associated with release of the following software:

**General Description:** Exchange Office Management Unit Software  
**Version:** 3.21  
**Checksum:** 0x8627  
**Release Date:** 08/12/98  
**File Name:** mov321.img

The previous release of software was:

**Version:** 3.20  
**Checksum:** 0x8648  
**Release Date:** 6/12/98  
**File Name:** mov320.img

### 2. Product Application

This software is used with the products listed in the following table.

*Exchange Office Management Units Using Version 3.21 Software*

Model Number	List	Part Number	Description
EMU-830	1	150-1440-01	Exchange Office Management Unit with Terminal Access Option (TAO) and Simple Network Management Protocol (SNMP)
EMU-830	2	150-1440-02	Exchange Office Management Unit with TAO and SNMP
EMU-830	3	150-1440-03	Exchange Office Management Unit with TAO, SNMP, and external shelf clock backup circuit

### 3. New Features

None

## 4. Bug Fixes

All bugs that have been corrected since the previous software release, Version 3.20, are listed below along with the corrective action that was taken to fix the problem for the current release, Version 3.21.

**DR Number:** None

**Description:** The NTU residing in slot 16 of a remote shelf was not displayed in the Windows-based GUI application (PGTMS/HGIS). The EMU firmware was revised to eliminate this bug.

## 5. Known Existing Bugs

When the EMU is executing autonomous dial-out reporting of alarms to a remote management station, and the phone line is busy, the EMU does not redial indefinitely (it stops after a random number of redials).

## B. BACKWARD COMPATIBILITY AND UPGRADES

### 6. Compatibility with Previous Versions of HDSL Unit Firmware

EMU software Version 3.21 requires that the HDSL units use software Versions 3.10 and later to ensure proper operation of the Robust Download Protocol.

## 7. Upgrade Methods

**From Version 1.1.** EMU-830 Management units running software Version 1.1 must be upgraded by replacing the two PROM chips on the board. These chips may be ordered from PairGain as part of the EMU-830 Management Unit Software Upgrade Kit (part number 150-1491-01). This kit includes the following:

- EMU-830 Firmware Upgrade PROMs
- EMU-830 Technical Practice, 700-030-100-xx
- SNMP MIB Diskette
- HDSL Unit Firmware Diskette

**From Version 2.0.** EMU-830 Management Units running software Version 2.0 may be upgraded by either replacing the PROM chips identified above, or by performing a firmware download using a maintenance terminal or PC running a terminal emulation program. The Version 3.21 image file (`muv32100.img`) may be downloaded from PairGain's FTP site at <ftp.pairgain.com.etsi> or from our Web site at <http://www.pairgain.com>. The EMU-830 Technical Practice, Section 700-030-100-xx, describes how to perform the firmware download.

## 8. Compatibility with Previous Versions of SNMP MIBs

The SNMP MIB files for EMU software Version 3.21 are the same as those in Version 3.20. These MIB files are backward compatible with EMU Version 3.10 software. The MIB file upgrade is not required if the EMU-830 List 3 backup timing feature is not used.

The MIB files for EMU software Version 3.21 are identified in the following list. The MIB files should be compiled in the order listed.

- RFC1155.mib - Standard MIB Resident on SNMP software package
- pgmibhd.mib - PairGain Common MIB Release 1.1 Revision 05/21/97
- pgetsi.mib - PairGain ETSI Interface MIB Release 1.4 Revision 05/14/98
- pghdsl.mib - PairGain HDSL MIB Release 1.2 Revision 06/24/97
- pgagtmib.mib - PairGain SNMP Agent MIB Release 1.1 Revision 05/21/97
- pgetsitr.mib - PairGain ETSI SNMP Trap MIB Release 1.2 Revision 01/08/98

The Release version number and Revision date can be seen by viewing the MIB files with a standard text editor.

## C. SAFETY AND EMC COMPLIANCE

### 9. Safety and EMC Compliance

The use of EMU software Version 3.21 will not change the safety or EMC characteristics of the EMU-830 board.

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