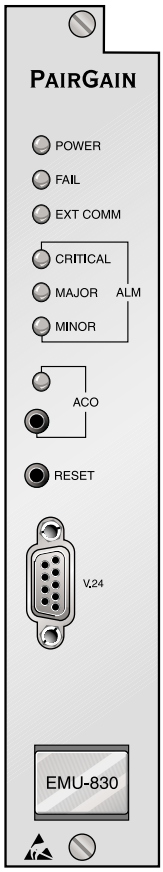
HIGAIN ETSI

EXCHANGE OFFICE MANAGEMENT UNIT
SOFTWARE RELEASE NOTES – VERSION 3.20.01

Model	List Number	Part Number
EMU-830	2	150-1440-02



PAIRGAIN TECHNOLOGIES, INC.
SOFTWARE RELEASE NOTES

SECTION 190-800-130-01

Revision History of This Practice

Revision	Release Date	Revisions Made
01	October 01, 1999	Initial Release

DOCUMENTATION

The technical practice for this product, document number 700-030-102-01, can be downloaded from the Customer site portion of the PairGain Web page at *http://www.pairgain.com*. A password is required for access to the Customer Site Web pages. If you do not have a password, contact your PairGain sales representative.

If you have comments on this PairGain document, send an email to *technical_publications@pairgain.com*. Type the product name and the section number of the document in the subject area of the email message.

©Copyright 1999 PairGain Technologies, Inc.

PairGain and HiGain are registered trademarks and HiGain ETSI is a trademark of PairGain Technologies, Inc. All other product names mentioned in this practice are used for identification purposes only and may be trademarks or registered trademarks of their respective companies.

Information contained in this document is company private to PairGain Technologies, Inc., and shall not be modified, used, copied, reproduced or disclosed in whole or in part without the written consent of PairGain.

Information furnished by PairGain Technologies is believed to be accurate and reliable. However, no responsibility is assumed by PairGain Technologies for its use, nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of PairGain Technologies. PairGain Technologies reserves the right to change specifications at any time without notice.

TABLE OF CONTENTS

Software Release Overview ____ **1**

Description 1

Product Application 1

Bug Fixes 1

Notice to Users 1

Backward Compatibility and Upgrades ____ **2**

Compatibility with Previous Versions of HDSL Unit Firmware 2

Compatibility with Previous Versions of SNMP MIBs 2

Upgrade Methods 2

Safety and EMC Compliance ____ **3**

SOFTWARE RELEASE OVERVIEW

Description

This document describes the application, bug fixes, and compatibility issues associated with the release of the following software:

General Description: Exchange Office Management Unit Software
Version: 3.20.01
Checksum: 0x7D39
Release Date: 20 September 1999
File Name: muv32001.img

The previous release of software was:

Version: 3.20
Checksum: 0x8648
Release Date: 12 June 1998
File Name: muv3200.img

Product Application

This software can be used with the products listed in the following table.

Exchange Office Management Units Using Version 3.20.01 Software

Model Number	List	Part Number	Description
EMU-830	2	150-1440-02	Exchange Office Management Unit with TAO and SNMP

Bug Fixes

Flash memory was corrupted during firmware downloads. This bug has been corrected in the current release.

Notice to Users

On rare occasions, the number of Errored Seconds/Unavailable Seconds (ES/UAS) counts in the 15 minute HDSL performance history will differ by 3 to 10 seconds through the Simple Network Management Protocol (SNMP) and Terminal Access Option (TAO) interfaces.

BACKWARD COMPATIBILITY AND UPGRADES

Compatibility with Previous Versions of HDSL Unit Firmware

EMU software Version 3.20.01 requires that the HDSL units use software Version 3.10 and later to ensure proper operation of the Robust Download Protocol.

Compatibility with Previous Versions of SNMP Management Information Bases

This version of EMU software (3.20.01) requires the current release of SNMP Managment Information Base (MIB) files to support Rate Selectable line units. A new MIB item has been added to support Nx64k port configuration and a new MIB table to show all line units in a shelf.

The MIB files for EMU software Version 3.20.01 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.

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 List 2 Technical Practice, 700-030-102-01
- SNMP MIB Diskette
- HDSL Unit Firmware Diskette

From Version 2.xx or Later. EMU-830 management units running software Version 2.xx or later may be upgraded either by replacing the PROM chips (described above) or by performing a firmware download using a maintenance terminal or PC with a terminal emulation program. The Version 3.20.01 image file (`muv32001.img`) can be downloaded from the Customer Site portion of PairGain's Web page at *http://www.pairgain.com*. A password is required. If you do not have a password, contact your PairGain sales representative.

The "World Wide Web" section of the EMU-830 List 2 Technical Practice, Section 700-030-102-01, describes how to perform the firmware download. This document can be downloaded from the Customer Site portion of PairGain's Web page at *http://www.pairgain.com*. A password is required. If you do not have a password, contact your PairGain sales representative.

SAFETY AND EMC COMPLIANCE

The use of EMU software Version 3.20.01 will not change the safety or EMC characteristics of the EMU-830 management unit.

Corporate Office

14402 Franklin Avenue
Tustin, CA 92780

Tel: 714.832.9922
Fax: 714.832.9924

For Technical Assistance:

800.638.0031