

Upgrade Guide Supplement



EclipseHX

System Upgrade Guide

Supplement

for

Eclipse HX-Omega

Eclipse HX-Median

Eclipse HX-PiCo

Rev 14.1.0 Rev A

Document Reference

Clear-Com Eclipse HX System Upgrade Guide Supplement

PN: PUB-00286 Rev C

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Introduction

This guide covers upgrading the Eclipse Omega, Eclipse Median and Eclipse PiCo systems to Eclipse HX-Omega, Eclipse HX-Median and Eclipse HX-PiCo respectively.

Note: If you are upgrading your PiCo to an HX-PiCo please contact your Clear-Com representative to establish if your hardware is HX ready. If your PiCo hardware is not HX ready, then this is a factory only upgrade.

This **Eclipse HX-Omega** upgrade pack contains:

- ECLIPSE HX 14.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB – T12632-1P1
- ECLIPSE HX 14.0.0 SYSTEM SOFTWARE & DOCUMENTATION DVD – T12889-1P1
- ECLIPSE SYSTEM DRIVERS USB – T12632-1A1
- ECLIPSE SYSTEM DRIVERS DVD – T12889-1A1
- ECLIPSE HX DOOR – T10607-2
- ECLIPSE HX DOOR HINGE SCREWS x 4 – 280432Z
- ECLIPSE HX-OMEGA MASKING LABEL – 375G037
- ECLIPSE CPU CARD CODE EPROM x 2 – 795002Z
- 256MB SDRAM MODULE x 2 – 481508Z
- MVX16A H8 PROGRAMMING CABLE – CAB-MVX-48Z
- FREESPEAK TO PC DATA CABLE – PD4007Z
- CPU-208 BATTERY & HOLDER KIT x 2 – CPU-208-BAT
- THIS UPGRADE GUIDE SUPPLEMENT – PUB-00286

This **Eclipse HX-Median** upgrade pack contains:

- ECLIPSE HX 14.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB – T12632-1P1
- ECLIPSE HX 14.0.0 SYSTEM SOFTWARE & DOCUMENTATION DVD – T12889-1P1
- ECLIPSE SYSTEM DRIVERS USB – T12632-1A1
- ECLIPSE SYSTEM DRIVERS DVD – T12889-1A1
- ECLIPSE HX DOOR – T10607-2
- ECLIPSE HX DOOR HINGE SCREWS x 4 – 280432Z
- ECLIPSE HX-MEDIAN MASKING LABEL – 375G036
- ECLIPSE CPU CARD CODE EPROM x 2 – 795002Z
- 256MB SDRAM MODULE x 2 – 481508Z
- MVX16A H8 PROGRAMMING CABLE – CAB-MVX-48Z
- FREESPEAK TO PC DATA CABLE – PD4007Z
- CPU-208 BATTERY & HOLDER KIT x 2 – CPU-208-BAT
- THIS UPGRADE GUIDE SUPPLEMENT – PUB-00286

This **Eclipse HX-PiCo** upgrade pack contains:

- ECLIPSE HX 14.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB – T12632-1P1
- ECLIPSE HX 14.0.0 SYSTEM SOFTWARE & DOCUMENTATION DVD – T12889-1P1
- ECLIPSE SYSTEM DRIVERS USB – T12632-1A1
- ECLIPSE SYSTEM DRIVERS DVD – T12889-1A1
- ECLIPSE HX-PICO MASKING LABEL – 375G038
- ECLIPSE PICO BOOT EPROM x 1 – 795014Z
- 256MB SDRAM MODULE x 1 – 481508Z
- MVX16A H8 PROGRAMMING CABLE – CAB-MVX-48Z
- FREESPEAK TO PC DATA CABLE – PD4007Z
- BATTERY 3V LI – 400033Z
- THIS UPGRADE GUIDE SUPPLEMENT – PUB-00286

PLEASE NOTE: ALL CHANGES ARE MADE WITH REFERENCE TO THE ECLIPSE HX UPGRADE GUIDE – P/N PUB-00276 – WHICH CAN BE FOUND ON THE ECLIPSE HX SYSTEM SOFTWARE AND DOCUMENTATION USB AND DVD

Note:

This upgrade requires a competent engineer. Specialist tools and additional cables may be required which are not supplied – see the Eclipse HX Upgrade Guide.

If there are any issues, please contact your local Clear-Com support office.

ECLIPSE HX-OMEGA and HX-MEDIAN UPGRADE STEPS

Carry out the following steps to upgrade your system.

- Install EHx on your PC.
- Install the door.
- Apply the masking label to the back of the unit completely covering:
 - “ECLIPSE OMEGA” with “ECLIPSE HX-OMEGA” or
 - “ECLIPSE MEDIAN” with “ECLIPSE HX-MEDIAN” or
- Change the CPU Card(s) PROM
- Change the CPU Card(s) RAM
- Change the CPU Card(s) DIP switches to set the Matrix type.
- Upgrade the CPU Card(s) application Code.
- Upgrade the CPU Card(s) CPLD code
- Upgrade the MVX, IVC, E-QUE, LMC, E-FIB cards application and FPGA code as appropriate.
- Upgrade the V-Series panels using the TFTP method.
- Upgrade the I-Station panels using the EHx method.

ECLIPSE HX-PICO UPGRADE STEPS

Note: **If you are upgrading your PiCo to an HX-PiCo please contact your Clear-Com representative to establish if your hardware is HX ready. If your PiCo hardware is not HX ready, then this is a factory only upgrade.**

Carry out the following steps to upgrade your system.

- Install EHX on your PC.
- Apply the masking label to the back of the unit completely covering:
 - “ECLIPSE PICO” with “ECLIPSE HX-PICO”
- Change the Eclipse HX-PiCo PROM.
- Upgrade the Eclipse HX-PiCo RAM.
- Change the Eclipse HX-PiCo DIP switches to set the Matrix type.
- Upgrade the Eclipse HX-PiCo application Code.
- Upgrade the Eclipse HX-PiCo MVX boot and/or application code.
- Upgrade the V-Series panels using the TFTP method.
- Upgrade the I-Station panels using the EHX method.

For Reference:

The software /firmware components for Eclipse HX-Omega / HX-Median / HX-PiCo are listed in [Appendix A](#) below.

The documentation for Eclipse HX-Omega / HX-Median / HX-PiCo is listed in [Appendix B](#) below.

Tip: User documentation for all Eclipse products and EHX is available on the ECLIPSE HX 14 SYSTEM SOFTWARE & DOCUMENTATION USB and DVD, and from the Clear-Com website at: [Clear-Com > Service & Support](#).

Note:

This upgrade requires a competent engineer. Specialist tools and additional cables may be required which are not supplied – see the Eclipse HX Upgrade Guide.

If there are any issues, please contact your local Clear-Com support office.

Appendix A: Eclipse HX Omega / Median / Delta / PiCo FreeSpeak II/ FreeSpeak EDGE Software & Driver Components

USB

Software = T12632-1P1 Rev B

Drivers = T12632-1A1 Rev AC

DVD

Software = T12889-1P1 Rev B

Drivers = T12889-1A1 Rev T

	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
SOFTWARE								
Software	SOF-00292	ECLIPSE HX CONFIG		.EXE	n/a	B	36.47.1.0	v14.1.0A
Software	SOF-00293	ECLIPSE HX DYNAM-EC		.EXE	n/a	B	27.9.4.0	v14.1.0A
Software	SOF-00296	ECLIPSE HX INSTALLER EHX & DYNAM-EC		.EXE	n/a	B	V2.0 EHX 36.47.1.0 Dynam-EC 27.9.4.0	v14.1.0A
CPU-208 CARD FIRMWARE								
Software	SOF-00294	ECLIPSE HX CFG CARD APP OMEGA, MEDIAN, DELTA		FWR	n/a	B	36.27.2.0	v14.1.0A
Drivers	790001Z	CONFIG CARD BOOT EPROM CODE OMEGA & MEDIAN ECLIPSE	ST 27W201	S Record	5468	B	2.4.22.0	v7.0.0 A
Software	SOF-00233	CONFIG CARD SECONDARY BOOT CODE		FWR	n/a	B	34.5.71.0	v14.0.0A
Drivers	710622Z	CONFIG CARD U1 CPLD CODE	XC9572	JED	681F	D	0.4.21.0	v7.1.0 A
Drivers	710623Z	CONFIG CARD U53 CPLD CODE	XC95144	JED	330F	B	0.2.27.0	v7.1.0 A
Drivers	710624Z	CONFIG REAR CARD CPLD CODE	XC9572	JED	9411	4 / D	C	Pre v4.2
MVX-16 CARD FIRMWARE								
Drivers	780G012	MVX-HX APP ECLIPSE OMEGA/MEDIAN & PICO		FWC	n/a	C	2.62.7.0	v12.1.0A
Drivers	780G015	MVX-HX BOOT ECLIPSE OMEGA/MEDIAN & PICO		FWC, MOT	n/a	A	2.57.6.0	v10.0.0D
Drivers	780G011	MVX-HX COMBINED BOOT & APP H8 FLASH, ECLIPSE & PICO		BIN, MOT	n/a	C	2.62.7.0 & 2.57.6.0	v12.1.0A
Drivers	710625Z	MVX-HX MK-I FPGA PROM CODE	XC18V04	MCS	031F12B9	J	1.2.18.0	v7.0.0 A

	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
		ECLIPSE						
Drivers	780G010	MVX-HX MK-II FPGA FLASH MVXMK2		.MCS	MCS 0x33d8c7d2 Flash 0x000487a39	D	2.10.47.0	V12.2.0A
E-IPA CARD FIRMWARE								
Drivers	SOF-00224	E-IPA-HX APPLICATION FIRMWARE		.ccf	n/a	D	App: 10.95.63.0 Boot: 2.0.65.08 FPGA: 19.31.64.0 QSPI: 2.0.10-j635_Clearcom Kernel: 4.19.59	v14.1.0A
E-DANTE CARD FIRMWARE								
Drivers	780G048 BNII_064	E-DANTE64-HX BROOKLYN II FPGA/APP/CFG COMBINED		.dnt	n/a	E	BKLYN II App 4.2.3.13 BKLYN II FPGA 4.0.4.2 CC App 1.3.61.0 Config 1.6.0	v13.1.0A
Drivers	780G048 BN3_064	E-DANTE64-HX BROOKLYN 3 FPGA/APP/CFG COMBINED		.dnt	n/a	E	BKLYN 3 App 4.2.4.8 BKLYN 3 FPGA 4.2.0.25 BKLYN ROM/Boot 4.2.4 Config 2.1.0	v13.1.0A
Drivers	SOF-00178	E-DANTE64-HX MK I & II H8 Application		.fwc	n/a	B	1.9.58.0	v14.0.0A
Drivers	SOF-00179	E-DANTE64-HX MK I & II H8 Boot		.fwc/.mot	n/a	B	1.9.57.0	v14.0.0A
Drivers	SOF-00180	E-DANTE64-HX MK II & II H8 APP & BOOT COMBINED		.mot	n/a	B	H8 APP 1.9.58.0 H8 BOOT 1.9.57.0	v14.0.0A
Drivers	780G043	E-DANTE64-HX H8 DSP		.fwc	n/a	A	1.4.60.0	v8.8.0A
Drivers	780G037	E-DANTE64-HX H8 MK-I FPGA		.fwc	n/a	E	1.4.59.0	v13.0.0A
Drivers	SOF-00159	E-DANTE64-HX H8 MK-II FPGA		.fwc	n/a	C	2.13.88.0	v13.1.0A
E-MADI CARD FIRMWARE								
Drivers	SOF-00181	E-MADI CARD APP			n/a	A	1.7.9.0	v13.0.0A

	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
Drivers	SOF-00182	E-MADI CARD BOOT			n/a	A	1.7.8.0	v13.0.0A
Drivers	790012Z	E-MADI CARD DSP			n/a	A	1.4.11	v5.2.4
Drivers	790009Z	E-MADI CARD FPGA			0x16faba7e	F	1.13.12.0	v10.0.0D
Drivers	SOF-00183	E-MADI MK-I, II and III H8 BOOT/APP COMBO				A	H8 Boot 1.7.8.0 H8 App 1.7.9.0	v13.0.0A
Drivers	780G041	E-MADI MK-II FPGA		MCS, SVF, FWC	0x169b804c	E	2.6.62.0	v10.0.0D
Drivers	SOF-00160	E-MADI MK-III FPGA		MCS, SVF, FWC	n/a	A	3.2.89.0	v13.0.0A
E-FIB CARD FIRMWARE								
Drivers	710794Z	E-FIBER NETWORKING (REAR) FPGA		MCS	010f82f5c	4 / D	1.23	v5.1.1
Drivers	710793Z	E-FIBER ROUTER (FRONT) FPGA		MCS	010f73f00	4 / D	1.21	v5.1.1
E-QUE / IVC-32 / LMC-64 CARD FIRMWARE								
Drivers	785G053	E-QUE APP MK-I & MK-II ECLIPSE		.IMAGE	n/a	K	7.40.5.0	v14.1.0A
Drivers	710810Z	E-QUE BOOT ROM CODE		SREC	DBB8	2 / B	1.4	v5.0.3
Drivers	710807Z	E-QUE MK-I FPGA	XCF16PVO48C	MCS, SVF	0x11a2d405	J	0.25.16.0	v10.0.0A
Drivers	790004Z	E-QUE MK-II BOOT ROM CODE		BIN	n/a	A	1.8.13.0	v5.2.4
Drivers	790006Z	E-QUE MK-II FPGA		MCS, SVF	0x119ef9f8	C	1.5.17.0	v10.0.0A

Appendix B: Eclipse HX Omega / Median / PiCo/ FreeSpeak II/ FreeSpeak EDGE Documentation

- Note: All documentation is on the ECLIPSE HX 14 Rev A SYSTEM SOFTWARE & DOCUMENTATION USB and DVD

USB

Doc T12632-1P1 Rev B

DVD

Doc T12889-1P1 Rev B

Part No	Description	Rev	Doc Issue	Last Updated
SOFTWARE				
399G158	ECLIPSE HX QSG	A	A	v8.5.0A
PUB-00274	ECLIPSE HX CONFIG SW GUIDE	B	B	v14.1.0A
399G265	ECLIPSE HX DYNAM-EC QSG	A	A	v10.0.0A
PUB-00275	ECLIPSE HX DYNAM-EC USER GUIDE	A	A	v14.0.0A
PUB-00276	ECLIPSE HX UPGRADE GUIDE	B	B	v14.1.0A
PUB-00286	ECLIPSE HX UPGRADE SUPPLEMENT GUIDE	B	B	v14.1.0A
PUB-00287	ECLIPSE HX CUSTOMER RELEASE NOTE	B	B	v14.1.0A
PUB-00283	ECLIPSE HX E-IPA-HX LICENSING QSG	A	A	v14.0.0A
PUB-00189	ECLIPSE HX LOGIC GUIDE	A	A	v13.0.0A
HARDWARE				
399G050	ECLIPSE HX DELTA PSU BRACKET MOUNTING INSTRUCTIONS	B	B	v13.1.0A
PUB-00235	ECLIPSE HX DELTA USR GUIDE	B	B	v14.0.0A
PUB-00237	ECLIPSE HX MEDIAN USR GUIDE	B	B	v14.0.0A
PUB-00236	ECLIPSE HX OMEGA USR GUIDE	B	B	v14.0.0A
PUB-00229	ECLIPSE HX FRAME INSTALLATION GUIDE	A	A	v13.1.0A