

Upgrade Guide Supplement



EclipseHX

System Upgrade Guide

Supplement

for

Eclipse HX-Omega

Eclipse HX-Median

Eclipse HX-PiCo

Rev 12.0.0 Rev A

Document Reference

Clear-Com Eclipse HX System Upgrade Guide Supplement

PN: PUB-00008 Rev A

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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 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB – T12632-1J1
- ECLIPSE SYSTEM DRIVERS USB – T12632-1A1
- ECLIPSE HX 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION DVD – T12889-1J1
- 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
- THIS UPGRADE GUIDE SUPPLEMENT – PUB-00008

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

- ECLIPSE HX 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB – T12632-1J1
- ECLIPSE SYSTEM DRIVERS USB – T12632-1A1
- ECLIPSE HX 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION DVD – T12889-1J1
- 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
- THIS UPGRADE GUIDE SUPPLEMENT – PUB-00008

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

- ECLIPSE HX 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB – T12632-1J1
- ECLIPSE SYSTEM DRIVERS USB – T12632-1A1
- ECLIPSE HX 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION DVD – T12889-1J1
- 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
- THIS UPGRADE GUIDE SUPPLEMENT – PUB-00008

PLEASE NOTE: ALL CHANGES ARE MADE WITH REFERENCE TO THE ECLIPSE HX UPGRADE GUIDE – P/N PUB-00007 – 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 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB and DVD, and from the Clear-Com website at: <http://www.clearcom.com/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 v12.0.0 Rev A Software Components

| | | | | | |
|------------|------------|-------|------------|------------|-------|
| USB | | | DVD | | |
| S/W | T12632-1J1 | Rev A | S/W | T12889-1J1 | Rev A |
| F/W | T12632-1A1 | Rev T | F/W | T12889-1A1 | Rev K |
| Doc | T12632-1J2 | Rev A | Doc | T12889-1J2 | Rev A |

| | Part No | Description | Device | File Type | C/Sum | Rev | Issue | Last updated |
|---------|---------|--|-----------------|------------|------------|-------|----------|--------------|
| Drivers | 710801Z | 4216 Custom Interface panel (V3 Release) | | S Record | E400H | B | BDH54M | Pre v4.2 |
| Drivers | 790016Z | 4222E BBH54P APP CODE, 2RU 32 PB ID | NA | 4kp | FFDE452E | A | BBH54P | v5.2.4 |
| Drivers | 790017Z | 4222E COAX BBG54P APP CODE, 2RU 32 PB ID | | 4kp | FFE762DF | A | BBG54P | v5.2.4 |
| Drivers | 710703Z | 4222E/4212E Panel Boot Code | | S | n/a | A | BR_60E | Pre v4.2 |
| Drivers | 710799Z | 4222E/4212E Panel Boot Code (Unleaded) | | S | n/a | A | BR_70G | Pre v4.2 |
| Drivers | 710847Z | 4224E/4226E/4294E/4215E Coax Panel | | 4kp | FFE5EF43 | 1 / A | PBG54M | Pre v4.2 |
| Drivers | 710705Z | 4224E/4226E/4294E/4215E Panel Boot Code | | S | n/a | A | PR_60E | Pre v4.2 |
| Drivers | 710800Z | 4224E/4226E/4294E/4215E Panel Boot Code (Unleaded) | | S | n/a | A | PR_70G | Pre v4.2 |
| Drivers | 710704Z | 4224E/4226E/4294E/4215E Panel Code | NA | 4kp | FFDB8081 | C | PBH54M | Pre v4.2 |
| Drivers | 710802Z | 4230 Vertical Extension panel (V3 Release) | | MOT | NA | A | HDH10H | Pre v4.2 |
| Drivers | 710813Z | AES-6 Application Code | AES-6 (710785Z) | MOT | n/a | 3 / C | 2.02 | v5.2.2 |
| Drivers | 710814Z | AES-6 XILINX Code | AES-6 (710785Z) | MCS | 0x010c84be | H | H | V7.6.0B |
| Drivers | 710858Z | AES-6-3K Xilinx Firmware | AES-6 (710785Z) | MCS | FFB55407 | 2 / B | 2 | v5.1.1 |
| Drivers | 790001Z | Config Card Boot EPROM Code Omega & Median Eclipse | ST 27W201 | S Record | 5468 | B | 2.4.22 | v7.0.0 A |
| 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 |
| Drivers | 710632Z | ICS-1016/1008 STATION CODE | | .4KP, .BIN | A865 | 4 / D | 010112 | Pre v4.2 |
| Drivers | 710644Z | DIG-2 Front Card Application Code | | S19 | n/a | 1 / A | B | Pre v4.2 |

| | Part No | Description | Device | File Type | C/Sum | Rev | Issue | Last updated |
|----------------|----------------|--|---------------|------------------|------------|----------|--|-----------------|
| Drivers | 710906Z | DIG-2 Front Card CPLD Code | Lattice 1016E | JED | 0C8A | 1 / A | A | Pre v4.2 |
| Drivers | 710643Z | DIG-2 Rear Card CPLD (U8) Code | XC95288XL | JED | 3.50E+08 | 1 / A | A | Pre v4.2 |
| Drivers | 710633Z | Eclipse 32 Boot PROM Code | | S Record | 3294 | E | 2.4.23 | v7.0.0 A |
| Drivers | 710659Z | Eclipse 32 FPGA Code | XCF04 | MCS | 0119AA3 | E | 1.5.19 | v7.0.0 A |
| Drivers | 710660Z | Eclipse 32 Glue Logic CPLD | XC9572 | JED | AB52 | E | E | v7.0.0 A |
| Drivers | 710661Z | Eclipse 32 GPIO Logic | XC95144 | JED | 6417 | 2 / B | B | Pre v4.2 |
| Drivers | 710848Z | Eclipse Serial Config Uploader | | .EXE | n/a | 1 / A | 2.0.1 | Pre v4.2 |
| Drivers | 710833Z | Eclipse Serial Number Generator | | .EXE | n/a | 1 / A | 1.0.0.0 | Pre v4.2 |
| Drivers | 780G037 | E-DANTE64-HX H8 FPGA | | .fwc | 0x149f629c | C | 1.2.59.0 | v10.0.0B |
| Drivers | 780G043 | E-DANTE64-HX H8 DSP | | .fwc | n/a | A | 1.4.60.0 | v8.8.0A |
| Drivers | 780G048 | E-DANTE64-HX BROOKLYN FPGA/APP/CFG Combined | | .dnt | n/a | C | BKLYN App 4.2.0.28 BKLYN FPGA 4.0.2.11 CC App 1.3.61.0 Config 1.4.0 | v12.0.0A |
| Drivers | 780G050 | E-DANTE64-HX H8 APP & BOOT Combined | | .mot | n/a | B | H8 APP 0.36.58.0 H8 BOOT 0.27.57.0 | v12.0.0A |
| Drivers | 710794Z | E-Fibre Networking (Rear) FPGA | | MCS | 010f82f5c | 4 / D | 1.23 | v5.1.1 |
| Drivers | 710793Z | E-Fibre Router (Front) FPGA | | MCS | 010f73f00 | 4 / D | 1.21 | v5.1.1 |
| Drivers | 790011Z | E-MADI CARD APP | | | n/a | C | 0.23.9.0 | V9.1.0A |
| Drivers | 790010Z | E-MADI CARD BOOT | | | n/a | B | 0.20.8.0 | V9.1.0A |
| 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 | 780G041 | F/W, E-MADI MK-II FPGA | | MCS, SVF, FWC | 0x169b804c | E | 2.6.62.0 | v10.0.0D |
| Drivers | 780G052 | F/W, E-MADI MK-II BOOT/APP COMBO | | | | A | Boot 0.20.8.0 and App 0.23.9.0 | V9.1.0A |
| Drivers | 710810Z | E-Que Boot ROM Code | | SREC | DBB8 | 2 / B | 1.4 | v5.0.3 |

| | Part No | Description | Device | File Type | C/Sum | Rev | Issue | Last updated |
|----------------|----------------|---|--------------------|--------------------|------------|----------|--|-----------------|
| Drivers | 790006Z | E-QUE MK-II FPGA | | MCS, SVF | 0x119ef9f8 | C | 1.5.17.0 | v10.0.0A |
| Drivers | 710807Z | E-QUE MK-I FPGA | XCF16PVO48 C | MCS, SVF | 0x11a2d405 | J | 0.25.16.0 | v10.0.0A |
| Drivers | 785G053 | S/W. E-QUE APP MK-I & MK-II ECLIPSE | | .IMAGE | n/a | E | 7.29.5.0 | v8.7.0A |
| Drivers | 790004Z | E-Que MK-II Boot ROM Code | | BIN | n/a | A | 1.8.13 | v5.2.4 |
| Drivers | 710582Z | E-Station Flash code | MMC2107-144 | S19 | B2AB | A | 2.3 | Pre v4.2 |
| Drivers | 710581Z | E-Station Micro-P Boot Code | MMC2107-144 | S19 | FD2D | A | 2.3 | Pre v4.2 |
| Drivers | 780G004 | FS II 1.9 ANTENNA APPLICATION FIRMWARE | | FWW,FWS | n/a | H | 2.7.28.0 | v12.0.0A |
| Drivers | 780G003 | FS II 1.9 BELTPACK APPLICATION FIRMWARE | | FWW,FWS | n/a | R | 2.32.32.0 | v12.0.0A |
| Drivers | 780G065 | FSII IP 1.9 TRANSCEIVER RELEASE APPLICATION FIRMWARE | | .tar.gz | n/a | J | App 3.30.67.0 Boot 1.0.68.5 Baseband 0107 FPGA v.0.6.2- b44;v.2.3.2-b103-c4 | v12.0.0A |
| Drivers | 780G026 | FS II 2.4 ANTENNA FIRMWARE | | FWW,FWS | n/a | C | 2.2.49.0 | v11.1.0A |
| Drivers | 780G025 | FS II 2.4 BELTPACK APPLICATION FIRMWARE | | FWW,FWU,FWS | n/a | K | 2.28.50.0 | v12.0.0A |
| Drivers | 780G058 | E-IPA-HX APPLICATION FIRMWARE | | .tar.gz | n/a | L | App 3.100.63.0 FPGA 17.2.64.0 (v.2.0.0b6) Boot 2.0.65.03 | v12.0.0A |
| Drivers | 710907Z | FSBP CellCom / FreeSpeak Antenna and Beltpack bootloader | | .MOT | n/a | A | 1a | Pre v4.2 |
| Drivers | 790008Z | FSBP DECT STACK FS-BPJ, FREESPEAK | | .HEX | n/a | A | c6983_dect_hw_pp_ V26_K19 | v5.2.4 |
| Drivers | 710831Z | FSBP FreeSpeak Beltpack RM5 DECT Stack | | .HEX | n/a | 2 / B | c6657_dect_hw_pp_ v22_rm5 | Pre v4.2 |
| Drivers | 710828Z | FSBP MK I KIRK 6 Page BP App | | .MOT | n/a | R | 2K000279 | V8.5.2A |
| Drivers | 710827Z | FSBP MK II – Kirk Module – App Code | | .MOT | n/a | R | 3K010279 | V8.5.2A |
| Drivers | 710830Z | FSBP MK II – Kirk Module – DECT Code | | .HEX | n/a | 1 / A | C6983_dect_hw_pp_ v22_k19 | Pre v4.2 |
| Drivers | 710615Z | ICS-2003 Front Panel VFD Firmware | 18F242 | HEX | 104 | B | 1.1 | Pre v4.2 |
| Drivers | 710451Z | ICS-2003TE FPGA DNIC FRAMER COM-20 DIGITAL 2-WIRE COM. MODULE | QL2007- OPF144C | CHP, RPT | 5270DC | A | A | Pre v4.2 |

| | Part No | Description | Device | File Type | C/Sum | Rev | Issue | Last updated |
|---------|---------|---|----------------------|-------------|--|-------|------------------------------|--------------|
| Drivers | 710537Z | IMF-3 Backplane PIC Firmware | PIC16F505 | HEX | 88F8 | B | 1.2 | Pre v4.2 |
| Drivers | 785G045 | i-Station APP Code, Eclipse | N/A | FWP | n/a | C | 020901 | v9.0.0A |
| Drivers | 710663Z | i-Station Expansion Panel Code (e-Station) | NA | 4kp/Hex/s19 | FF9DBCAD | C | 10116 | v8.5.0A |
| Drivers | 710652Z | i-Station I-1100 CPLD | EPM3032ATC 44-10N | POF | 72059 | A | 1 | Pre v4.2 |
| Drivers | 710544Z | i-Station Master Station Flash code | 29LV200 | S19 | 477C | D | 2.3.9 | Pre v4.2 |
| Drivers | 780G018 | i-Station Micro-C Boot Code | MMC2107-144 | S19 | n/a | A | 6 | v8.0.0A |
| Drivers | 710547Z | i-Station PCI Code | PIC17C752 | HEX | 228A | A | A | Pre v4.2 |
| Drivers | 780G012 | MVX-HX APP Eclipse Omega/Median & Pico | | FWC | n/a | | 2.59.7.0 | V10.0.0D |
| 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 | B | 2.59.7.0 & 2.57.6.0 | V10.0.0D |
| Drivers | 710625Z | MVX-HX MK-I FPGA PROM CODE ECLIPSE | XC18V04 | MCS | 031F12B9 | J | 1.2.18 | v7.0.0 A |
| Drivers | 780G010 | MVX-HX MK-II FPGA FLASH MVXMK2 | | .MCS | MCS 0x33dbeb7a Flash 0x004ad7e9 | C | 2.9.47.0 | v8.7.0A |
| Drivers | 710824Z | PD2201 Active Antenna RM5 Application | | .MOT | n/a | 2 / B | AA_AR0020i | Pre v4.2 |
| Drivers | 710826Z | PD2201 Active Antenna RM5 DECT Stack | | .HEX | n/a | 2 / B | c6657_hw_fp_v21_r m5 | Pre v4.2 |
| Drivers | 710823Z | PD2201 Antenna - KIRK ACTIVE ANTENNA APP | | .MOT | n/a | A | AA_AK000206 | V7.6.0A |
| Drivers | 710825Z | PD2201 Antenna – Kirk Module – DECT Code | | .HEX | n/a | 1 / A | c6983_dect_hw_fp_ v21_k19 | Pre v4.2 |
| Drivers | 790007Z | PD2201 DECT STACK PD2201J, FREESPEAK | | .HEX | n/a | A | c6983_dect_hw_fp_ V26_K19 | v5.2.4 |
| Drivers | 710836Z | PD2202 RM5 - 1-6 Page Beltpack App | | .MOT | n/a | 8 / J | 1R010215 | v5.2.2 |

| | Part No | Description | Device | File Type | C/Sum | Rev | Issue | Last updated |
|-----------------|------------------|--|----------|----------------------------|------------|----------|--|-----------------|
| Drivers | 710853Z | PD2202/FS BP I RM5 6 Page BP App | | .MOT | n/a | 7 / H | 2R010215 | v5.2.2 |
| Drivers | 710829Z | PD2203 Antenna Splitter Application | | .MOT | n/a | 1 / A | SP0x010C | Pre v4.2 |
| Apple Store | 785G061 | S/W AGENT-IC IOS MOBILE CLIENT | | | n/a | C | 1.2 | v8.5.2A |
| Drivers | 785G089 | S/W, HX & ECLIPSE F/W USB IMAGE | | .ZIP | n/a | T | T | v12.0.0A |
| Doc | SOF-00015 | S/W, HX 12.0 DOC IMAGE USB DVD ECLIPSE HX | | .ZIP | n/a | A | A | v12.0.0A |
| Software | SOF-00016 | S/W, HX 12.0 SW IMAGE USB DVD ECLIPSE HX | | .ZIP | n/a | A | A | v12.0.0A |
| Software | SOF-00018 | S/W, HX 12.0 CFG CARD APP OMEGA, MEDIAN, DELTA ECLIPSE HX | | FWR | n/a | A | 22.59.2.0 | v12.0.0A |
| Software | 780G063 | F/W CONFIG CARD SECONDARY BOOT CODE | | FWR | n/a | A | 18.76.71.0 | v10.0.0A |
| Software | SOF-00014 | S/W, HX 12.0 EHX CONFIG ECLIPSE HX | | Exe | n/a | A | 22.64.1.0 | v12.0.0A |
| Software | SOF-00017 | S/W, HX 12.0 DYNAM-EC ECLIPSE HX | | .EXE | n/a | A | 17.8.4.0 | v12.0.0A |
| Software | SOF-00020 | S/W, HX 12.0, INSTALLER EHX & DYNAM-EC ECLIPSE HX | | .EXE | n/a | A | 1.0 EHX 22.64.1.0 Dynam-EC 17.8.4.0 | v12.0.0A |
| Software | SOF-00019 | S/W, HX 12.0, PICO APP ECLIPSE HX | | FWR | n/a | A | 22.59.3.0 | v12.0.0A |
| Software | 780G064 | F/W PiCo SECONDARY BOOT CODE | | FWR | n/a | A | 18.76.72.0 | v10.0.0A |
| Drivers | 750123Z | S/W, v1.1.14.0, DONGLE GENERATOR, ECLIPSE | | .EXE | n/a | A | V1.1.14.0 | v5.2.3 |
| Drivers | 710756Z | TEL-14 PROC. ADAPT. APPLICATION S/W | 89LPC935 | HEX | NA | 2 / B | 1.1 | Pre v4.2 |
| Drivers | 710657Z | TW-60 Firmware | 18F442 | HEX | 8F81 | B | 1 | Pre v4.2 |
| Drivers | 785G046 | V-Series V-PANEL APP, ECLIPSE | | FWP, JFFS2, 4KR | n/a | K | 4.11.0 | v12.0.0A |
| Drivers | 790039Z | V-Series Panel Display PIC Application Code, V-Series | | HEX,FWP,4K P | n/a | D | 0.48 | v9.1.0A |
| Drivers | 710815Z | V-Series Panel Display PIC Boot Loader Code | | 4KP, HEX, FWP | n/a | 3 / C | 2 | v5.1.3 |
| Drivers | 780G014 | V-Series Panel Kernel, V Series | | vmlImage | n/a | B | 2.6.24 | v9.0.0A |
| Drivers | 780G013 | V-Series Root File System, V Series | | rootfs.cramfs | n/a | B | Dec_19_16 | v9.0.0A |
| Drivers | 710859Z | V-Series T-Adapter Card Firmware | | .LDR | n/a | 1 / A | 1 | v5.1.1 |
| Drivers | 710817Z | V-Series UBOOT TFTP IMAGE | | LDR | n/a | I | 0.31 | V10.0.0D |
| Drivers | 785G125 | V-Iris-Series Main Application | | tar.gz | n/a | H | App 2.30.73.0 | v12.0.0A |

| | Part No | Description | Device | File Type | C/Sum | Rev | Issue | Last updated |
|---------|-----------|--|--------|-----------|-------|-----|--|--------------|
| | | | | | | | FPGA v.0.6.2-b44; v.2.3.2-b103-c4 UBoot 0.3.74.21 Kernel 4.4.32.0 Module App 1.4.81.0 | |
| Drivers | 780G067 | F/W, V-SERIES-IRIS 1.0 DISPLAY BOOTLOADER | | .elf | n/a | A | 0.0.82.5 | v11.0.0A |
| Drivers | SOF-00004 | F/W, FS EDGE BELTPACK APPLICATION FIRMWARE | | tar.gz | n/a | A | App 1.39.79.0 Boot 1.1.80.0 Baseband 0046-0046 | v12.0.0A |
| Drivers | 780G071 | F/W, FS EDGE TCVR APPLICATION FIRMWARE | | tar.gz | n/a | C | App 1.35.77.0 Boot 1.0.78.1 FPGA v.0.6.2b44; v.2.3.2-b103-c3 Baseband 0046-0046-0030-0030 | v12.0.0A |

Appendix C: Eclipse HX Omega / Median / PiCo v12.0.0 Rev A Documentation

- Note: All documentation is on the ECLIPSE HX 12.0.0 SYSTEM SOFTWARE & DOCUMENTATION USB and DVD

| | | | | | |
|------------|-------------------|--------------|------------|-------------------|--------------|
| USB | | | DVD | | |
| Doc | T12632-1J2 | Rev A | Doc | T12889-1J2 | Rev A |

| Part No | Description | Rev | Doc | Last |
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| 810268Z | IFB-104 Interface Manual | 2 / B | 2 | v5.1.1 |
| 810291Z | FIM-108 Matrix Fibre Interface Instruction Manual | 1 / A | A | Pre v4.2 |
| 810306Z | FOR-22 Dual 4-Wire Interface Instruction Manual | 3 / C | 3 | v4.2 |
| 810307Z | CCI-22 Dual Party-Line Interface Instruction Manual | 3 / C | 3 | v4.2 |
| 810308Z | TEL-14 2-Channel Telephone Interface Instruction Manual | 3 / C | 3 | Pre v4.2 |
| 810309Z | GPI-6 General Purpose Inputs Interface Instruction Manual | 3 / C | 3 | Pre v4.2 |
| 810310Z | RLY-6 Relay Interface Instruction Manual | 3 / C | 3 | Pre v4.2 |
| 810311Z | DIF-102 / DIG-2 Digital interface Instruction Manual | 2 / B | 2 | v4.2 |
| 810313Z | Interface Module Frames: IMF-3, IMF-102, DIF102 Instruction Manual | 3 / C | 3 | Pre v4.2 |
| 810319Z | FIM-102D Matrix Fibre Interface Instruction Manual | 1 / A | A | Pre v4.2 |
| 810372Z | CellCom / FreeSpeak Wireless System Upgrade Manual | J | J | v5.2.4 |
| 810376Z | Eclipse Wireless Beltpack manual | 4 / D | 4 | v5.1.3 |
| 810383Z | AES-6 Interface Instruction Manual | 2 / B | 2 | v5.0.1 |
| 810385Z | FIM-202D Matrix Fibre Interface Instruction Manual | 3 / C | 3 | v5.1.1 |
| 810385Z | FIM-202D INSTRUCTION MANUAL | 3 / C | 3 | v5.1.1 |
| 810388Z | V-SERIES PANELS AES3 OPTN INST MANUAL | 3 / C | 3 | v5.1.1 |
| 810396Z | V-SERIES PANELS Rack-Mount LEVER KEY REFERENCE CARD | 2 / B | 2 | v5.1.1 |
| 810397Z | V-SERIES PANELS PUSH KEY REFERENCE CARD | 2 / B | 2 | v5.1.1 |
| 810398Z | V-SERIES PANELS DESKTOP REFERENCE CARD | 2 / B | 2 | v5.1.1 |
| 810403Z | BAL-8 Transformer Ground Isolation Interface Manual | 1 / A | 1 | v4.2 |
| 810405Z | V-SERIES PANELS XLR4M TO XLR7M UPGD MANUAL | C | C | v7.5.0A |
| 810406Z | V-SERIES PANELS T OPTN INST MANUAL | 1 / A | 1 | v5.1.1 |
| 810412Z | Active Antenna Synchronization Procedure | 1 / A | 1 | v5.1.1 |
| 810512Z | V-Series panels Desktop Push Button Reference Card | 1 / A | 1 | v5.1.1 |

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| 399G008 | INSTR, F/W RELEASE NOTE ECLIPSE | AD | AD | v12.0.0A |
| 399G035 | Eclipse HX-Delta Safety Instructions | A | A | v7.1.0 A |
| 399G046 | Eclipse HX Safety Instructions | A | A | v7.1.0 A |
| 399G050 | Eclipse HX-Delta PSU Bracket Mounting Instructions | A | A | v7.1.0 |
| 399G087 | GUIDE, FS II v1.0.0 USER | A | A | v7.6.0A |
| 399G106 | GUIDE, QSG SYSTEM, FS II V1.0.0 | A | A | v7.6.0A |
| 399G107 | GUIDE, QSG BELTPACK FS II V1.0.0 | A | A | v7.6.0A |
| 399G108 | GUIDE, QSG CHARGER, FS II V1.0.0 | A | A | v7.6.0A |
| 399G109 | GUIDE, QSG ANTENNA, FS II V1.0.0 | A | A | v7.6.0A |
| 399G304 | GUIDE, HX 12.0.0 WIRELESS USR ECLIPSE HX | B | B | v12.0.0A |
| 399G265 | GUIDE, HX 10.0.0 DYNAM-EC QSG ECLIPSE HX | A | A | v10.0.0A |
| 399G207 | GUIDE, HX 9.0.0 I-PNL USR ECLIPSE HX | A | A | v9.0.0A |
| 399G299 | GUIDE, HX 11.1.0 PICO USER ECLIPSE HX | A | A | v11.1.0A |
| 399G264 | GUIDE, HX 12.0.0 DYNAM-EC USR ECLIPSE HX | B | B | v12.0.0A |
| PUB-00003 | GUIDE, HX 12.0 CONFIG SW ECLIPSE HX | A | A | v12.0.0A |
| 399G301 | GUIDE, HX 12.0.0 V-PNL USR ECLIPSE HX | B | B | v12.0.0A |
| PUB-00007 | GUIDE, HX 12.0 UPGRADE ECLIPSE HX | A | A | v12.0.0A |
| PUB-00005 | GUIDE, HX 12.0 OMEGA USR ECLIPSE HX | A | A | v12.0.0A |
| PUB-00006 | GUIDE, HX 12.0 MEDIAN USR ECLIPSE HX | A | A | v12.0.0A |
| PUB-00004 | GUIDE, HX 12.0. DELTA USR ECLIPSE HX | A | A | v12.0.0A |
| 399G303 | GUIDE, HX 11.1.0 FRAME INST ECLIPSE HX | A | A | v11.1.0A |
| PUB-00008 | GUIDE, HX 12.0.0 UG SUPP ECLIPSE HX | A | A | v12.0.0A |
| PUB-00010 | NTE, HX 12.0 CUST REL ECLIPSE HX | A | A | v12.0.0A |
| 399G266 | GDE, HX 12.0.0 EHX LOGIC ECLIPSE HX | B | B | v12.0.0A |
| 399G158 | GDE, HX 8.5.0 ECLIPSE QSG ECLIPSE HX | A | A | v8.5.0A |
| 399G222 | GDE, HX 9.0.0 ICS 1008E/1016E, ECLIPSE HX | A | A | v9.0.0A |
| 399G223 | GDE, HX 9.0.0 ICS 22 SPKR PANEL, ECLIPSE HX | A | A | v9.0.0A |
| 399G250 | GUIDE, QSG IP TCVR, FS II | A | A | v10.0.0A |
| 399G250P | GUIDE, QSG IP TCVR, FS II (Portuguese) | A | A | v10.0.0A |
| 399G261 | QSG, E-IPA-HX LICENSING | A | A | v10.0.0A |
| PUB-00011 | GDE, AoIP NETWORK RECOMMENDATIONS GUIDE ECLIPSE HX | A | A | v12.0.0A |

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| PUB-00012 | INSTR, V-SERIES IRIS USER GUIDE | A | A | v12.0.0A |
| 399G279 | INSTR, V-SERIES SAFETY | B | B | v12.0.0A |
| 399G291 | INSTR, ECLIPSE HX SAFETY | B | B | v12.0.0A |
| 399G283 | NOTE. SW EULA, END USER LICENSING AGREEMENT | A | A | v11.0.0A |
| 399G303 | GUIDE, HX 11.1.0 FRAME INSTAL ECLIPSE HX | A | A | v11.1.0A |
| 399G322 | FreeSpeak Edge Battery Charger QSG | A | A | V12.0.0A |
| 399G326 | FreeSpeak Edge Beltpack QSG | B | B | V12.0.0A |
| 399G327 | FreeSpeak Edge Transceiver QSG | A | A | V12.0.0A |
| PUB-00020 | FS Edge User Guide | A | A | V12.0.0A |

