



**Release
Note**



**OMEGA / MEDIAN / DELTA /
E-PiCo**

RELEASE NOTE

9.1.0 Rev B

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ECLIPSE HX VERSION 9.1.0 Rev B RELEASE NOTE

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1 Introduction

1.1 Scope

This document describes the changes to Eclipse HX in v9.1.0 since v9.0.0.

1.2 New Functionality added in v9.1.0 Rev B

1.2.1 New Features

1.2.2 Sort Groups Capacity Increased

The maximum members in a sort group has been increased from 64 to 300.

1.2.3 Local Key Assignment Option Extension

The Local key assignment and fast key assign menu options have been aligned to offer the same restrictions and default mode of operation. The default modes have been extended to offer a talk and listen option.

1.2.4 FIPS Compatibility Changes

Use of FIPS approved encryption algorithms.

1.2.5 1.9 GHz Beltpack Improved Transceiver Handover

Improved RFP selection criteria implemented to improve the handover performance between FS II transceivers.

1.2.6 New Fixes

1.2.6.1 V-Series Application

Issue 38351: Get font calls reinserted for Arabic, extended ascii etc.

Issue 37694: Production testing update to correct incorrect brightness on certain displays when using soak utility

Issue 36694: V-Series application crash when using moveable reply key over extended period.

DEV: Orderable log files yyyy-MM-dd

DEV: Client Server warning when using save diagnostics.

Issue 39586: Corrected issues associated with the writing to the EHX event log database in certain projects.

Issue 40366: PL turnaround now accepting forced listen routings

DEV: Clear all proxy keys HCI message added

Issue 40234 – Matrix reset when controlling key state via HCI when the panel is not online

Issue 38504: Reserved port intelligent linking routing not guaranteed when re-usable listen routing already in place between matrices.

Issue 39654: Presence of 2 way radios now detected locally and remotely on key in PLs, IFBs and stacked keys.

Feature 38528 - Panel Audio IO status diagnostics and save diagnostics capture addition

Issue 37683: remote port in fixed group now correctly gets pot controller assigned

Issue 32685: Wrong keys group assigned keys previously seen when in supervisor mode

Feature: Mode to run more than one EHX on a client PC.

DEV: 1.9 FS II Beltpack reset issue corrected.

1.3 New Functionality added in v9.1.0 Rev A

1.3.1 New Features

The following system features were added to the Eclipse HX system in the 9.1 release.

1.3.1.1 LQ SIP Client Support

LQ units running version 4 firmware (or later) can now be connected to the Eclipse HX matrices (IVC32 or MVX connection) in a SIP client mode of operation. The functionality offered is the same as that offered by the TEL-14 interface as well as several SIP specific additions e.g. connection to endpoints based specified by SIP URI via speed dials.

Where possible, the TEL-14 capabilities have been extended for example, it is now possible to utilise prepared dialling on TEL-14 interfaces.

1.3.1.2 Lines Management Enhancements

Dynam-EC (formerly known as Production Maestro Pro) now supports a number of external lines management features in order to enrich the LQ SIP functionality delivered at v9.1.

Prior to v9.1 Dynam-EC was able to see the off-hook state of TEL-14 interfaces and place these calls back on hook. At v9.1 Dynam-EC has been given the ability to instigate calls, show caller information and manage contact lists for both TEL-14 and LQ SIP client interfaces.

1.3.1.3 Third Party Panel Keys

V-Series panel keys can now be managed by third party applications. These keys are monitored and visually configured by third party applications using the HCI interface. These keys are outside of the control of EHX.

1.3.1.4 Dynam-EC Macro Enhancements

The Macro functionality that was added at v9.0 has now been enhanced to allow multiple macros to be placed on a Dynam-EC canvas. This gives easy access to multiple macros at any one time.

Other enhancements have been added to Dynam-EC macros e.g. eraser actions to return entities to a known state prior to macros being run.

1.3.1.5 Logic Virtual IFB Support

Virtual IFB Xpt actions have now been added to Logic diagrams. Logic diagrams can now be used to dynamically add multiple types of virtual IFB property (sources, returns etc.) to virtual IFBs.

1.3.1.6 Virtual IFBs on Reply keys

Virtual IFBs can now be automatically added to panel reply keys when the system determines that the IFB is being monitored by a panel. This allows the panel user to easily reply to the IFB destination port via the reply key.

1.3.2 Other Changes

Below is a list of miscellaneous system software changes. If the item reads as a feature defect then the entry refers to the fix applied to correct this issue.

1.3.2.1 System Changes

34328: Increase the Cross-point action storage limit from 32K to 64K

33709: ECS map import – Only Sort groups with IDs up to 64 previously accessible in local key assignment menu. Restriction removed.

1.3.2.2 EHX Changes

31753: EHX usability improvements including automatically Save map upon Apply Changes option, live statuses on sidebar etc.

33102: Moveable TABs in EHX. Option to arrange Tabs Side by Side

33100: Cards and Ports screen - Sort group multi-row select

34144: Client server login server name is not saved

34165: Hide panels and ignored items on monitoring screen

34326: Key Groups assigned by drag drop on panel programming

34426: EHX Guest User Mode exception corrected.

34477: EHX errors displayed when map cannot be opened

33575: Options added to not add port to IFB return when added as a destination

35460: Double click on a text box in ports or BP Roles navigates to Panel Programming screen

35461: Assigning a key using search button and enter creates a duplicate

35463: Resource chart did not show map size, now added

35438: Warning for downloading a fixed group with a clashing number is displaying number -1

35465: Tabs very hard to close, click area increased

35428: Local admin configuration access rights extended e.g. ability to download map where there are remote members in stacked keys

35632: Value of Supervisor mode label inversion disabled not saved in HXN file

35753: Matrix online offline and monitoring states now shown on EHX sidebar.

35754: Speed dial exception when no valid source set

35879: Esc and Enter now close most windows in EHX and PM

35466: Sub menu in EHX screens too subtle

31756: IP ports automatically make the User ID of the port become the Port Name in order to speed up IP panel configuration.

34406: Export all keysets feature fixed

1.3.2.3 Rack Changes

31823: Prepared dialling support for TEL-14 interfaces (as well as SIP clients) on both i-Station and V-Series panels.

33111: Invalid keys errors previously seen when Desktop panels come online

34160: Failure to remove remote cross-point when remote cross-point actions stacked via control macros

34249: Reply key moved or overwritten previously resulted in listen again feature activating the key in the standard reply key position.

34840: Matrix reset caused by circular logic in reply clearing down

34839: Matrix reset caused by application of alias to BP role

34885: Added ability to release line from a stacked key. Additionally, added ability to call out (via prepared dial) to an IFB destination telephony device, and end the call when unlatching the same talk.

34812: Level bar lost on V-Series rotary press after initial key assign

35503: Added port name and number to main menu. Makes it easier for remote admin to get user to state panel type

35629: Added defensive programming for incorrect length causing DLC pack overrun (FS II)

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35887: IFB with TEL-14/SIP client destinations now operate as direct key to telephony device regarding outgoing calls

36047: IVC connected LQ ports previously not receiving call signal from Matrix. Now fixed, issue was introduced in V9.0.

20742: Dial pad now active (usable) after TEL-14 calls instigated from panel stacked keys.

1.3.3 DYNAM-EC Changes:

29729: Added warning when no meters are available

33501: Tooltip shows actions of a macro button

33677: Only store one macro step if multiple actions affect the same entity

33622: Eraser actions added for PLs, IFBs and Ports (routes) to allow macros to play from known system state

33623: Copy macro to preserve undo information

34330: Error when dragging 4-wire to active listener

34337: PM Exception exclusive move to partyline

34546: Addition of status pop up user interface, duration configurable

34804: Dynam-EC Help screen

35879: Esc and Enter should close most windows in EHX and PM

36040: Shading in levels is hard to differentiate between +5 and -5

1.3.4 V-Series

35886: Vertical Font reduced in size in order to not truncate 10 character labels

34127: V-Series module brightness incorrect on exit from screensaver

34249: Listen again activates wrong key when reply key moved or overwritten

2 Software & Driver Components

2.1 Eclipse HX Omega / Median / Delta / PiCo Software & Driver Components

USB

S/W=T12632-1E1
F/W=T12632-1A1
Doc=T12632-1E2

DVD

S/W=T12889-1E1
F/W=T12889-1A1
Doc=T12889-1E2

	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	710644Z	DIG-2 Front Card Application Code		S19	n/a	1 / A	B	Pre v4.2
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

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	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
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	780G036	E-DANTE64-HX H8 Application		.fwc	n/a	A	0.22.58.0	v8.8.0A
Drivers	780G037	E-DANTE64-HX H8 FPGA		.fwc	0x14a040ee	A	1.1.59.0	v8.8.0A
Drivers	780G042	E-DANTE64-HX H8 BOOT		.fwc/.mot	n/a	A	0.22.57.0	v8.8.0A
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	A	1.3.0	v8.8.0A
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 MK-I & MK-II CARD APP		.FWC	n/a	C	0.23.9.0	V9.1.0A
Drivers	790012Z	E-MADI MK-I & MK-II CARD DSP		.FWC	n/a	A	1.4.11	v5.2.4
Drivers	790009Z	E-MADI MK-I CARD FPGA		cfi, fwc, mcs, .svf	0x16DAB434	D	1.9.12.0	v8.5.0A
Drivers	780G041	F/W, E-MADI MK-II FPGA		MCS, SVF, FWC	0x00b565c7a	C	2.3.62.0	V9.1.0A
Drivers	780G044	F/W, E-MADI MK-I & MK-II BOOT		.FWC,.MOT		A	0.20.8.0	V9.1.0A
Drivers	780G052	F/W, E-MADI MK-I & MK-II BOOT/APP COMBO		.MOT		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
Drivers	790006Z	E-QUE MK-II FPGA		MCS, SVF	0x11A2A52A	B	1.4.17.0	v7.6.0A
Drivers	710807Z	E-QUE MK-I FPGA	XCF16PVO48C	MCS, SVF	0x119FE4D8	H	0.24.16.0	V7.6.0A
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	A	38	v7.6.0D
Drivers	780G003	FS II 1.9 BELTPACK APPLICATION FIRMWARE		FWW,FWS	n/a	L	106	V9.1.0B
	780G026	FS II 2.4 ANTENNA FIRMWARE		FWW,FWS	n/a	B	0.30.49.0	v8.5.1A
Drivers	780G025	FS II 2.4 BELTPACK APLPLICATION FIRMWARE		FWW,FWU,FWS	n/a	D	46	v8.7.0A

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	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
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
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	EPM3032ATC44-10N	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	A	2.12.7.0	v8.0.0A
Drivers	780G015	MVX-HX BOOT Eclipse Omega/Median & Pico		FWC, MOT	n/a	A	2.12.6.0	v8.0.0A
Drivers	780G011	MVX-HX Combined BOOT & APP H8 FLASH, ECLIPSE & PICO		BIN, MOT	n/a	A	2.12.7.0 2.12.6.0	v8.0.0A
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

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	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
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
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
Drivers	785G053	S/W. E-QUE APP MK-I & MK-II ECLIPSE		.IMAGE	n/a	E	7.29.5.0	v8.7.0A
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	F	F	v9.1.0B
Doc	785G111	S/W, HX 9.1.0 DOC IMAGE USB DVD ECLIPSE HX		.ZIP	n/a	B	B	v9.1.0B
Software	785G112	S/W, HX 9.1.0 SW IMAGE USB DVD ECLIPSE HX		.ZIP	n/a	B	B	v9.1.0B
Software	785G114	S/W, HX 9.1.0 CFG CARD APP OMEGA, MEDIAN, DELTA ECLIPSE HX		FWR	n/a	B	16.42.2.0	v9.1.0B
Software	785G110	S/W, HX 9.1.0 EHX CONFIG ECLIPSE HX		Exe	n/a	B	16.32.1.0	v9.1.0B
Software	785G113	S/W, HX 9.1.0 DYNAM-EC ECLIPSE HX		.EXE	n/a	A	13.26.4.0	v9.1.0A
Software	785G116	S/W, HX 9.1.0, INSTALLER EHX & DYNAM-IC ECLIPSE HX		.EXE	n/a	B	V1.0 (EHX 16.32.1.0 Dynam-EC 13.26.4.0)	v9.1.0B
Software	785G115	S/W, HX 9.1.0, PICO APP ECLIPSE HX		FWR	n/a	B	16.42.3.0	v9.1.0B
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	H	3.42.0	v9.1.0B

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	Part No	Description	Device	File Type	C/Sum	Rev	Issue	Last updated
Drivers	790039Z	V-Series Panel Display PIC Application Code, V-Series		HEX,FWP,4KP	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		vmImage	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	H	0.2	v8.5.0A

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2.2 Eclipse HX Omega / Median / Delta / PiCo Documentation

Part No	Description	Rev	Doc	Last
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
399G008	INSTR, F/W RELEASE NOTE, ECLIPSE	T	T	v9.1.0B
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

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Part No	Description	Rev	Doc	Last
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
399G177	GUIDE, HX WIRELESS USER	A	A	v8.5.2A
399G233	GUIDE, HX 9.1.0 DYNAM-EC QSG ECLIPSE HX	A	A	v9.1.0A
399G207	GUIDE, HX 9.0.0 I-PNL USR ECLIPSE HX	A	A	v9.0.0A
399G145	GUIDE, HX 8.5.0 PICO USER ECLIPSE HX	D	D	v8.5.1D
399G232	GUIDE, HX 9.1.0 DYNAM-EC USR ECLIPSE HX	A	A	v9.1.0A
399G231	GUIDE, HX 9.1.0 CONFIG SW ECLIPSE HX	A	A	v9.1.0A
399G235	GUIDE, HX 9.1.0 V-PNL USR ECLIPSE HX	A	A	v9.1.0A
399G240	GUIDE, HX 9.1.0 UPGRADE ECLIPSE HX	A	A	v9.1.0A
399G236	GUIDE, HX 9.1.0 OMEGA USR ECLIPSE HX	A	A	v9.1.0A
399G237	GUIDE, HX 9.1.0 MEDIAN USR ECLIPSE HX	A	A	v9.1.0A
399G220	GUIDE, HX 9.1.0 DELTA USR ECLIPSE HX	A	A	v9.1.0A
399G239	GUIDE, HX 9.1.0 FRAME INST ECLIPSE HX	A	A	v9.1.0A
399G241	GUIDE, HX 9.1.0 UG SUPP ECLIPSE HX	B	B	v9.1.0B
399G242	NOTE, HX 9.1.0 ECLIPSE REL ECLIPSE HX	B	B	v9.1.0B
399G234	GDE, HX 9.1.0 EHX LOGIC ECLIPSE HX	A	A	v9.1.0A
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

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3 Known Issues

This section details those issues that contradict the relevant manuals included in this release. These issues have not been resolved in v9.0.0 and are listed here to help you use the system more effectively.

3.1 I-Station Panel Upgrades

Central upgrade from EHX is not support on all I-Stations, when upgrading I-Stations with the serial number 45PC0001 or above you must contact your Clear-Com sales representative first.

3.2 V-Series panels upgrade issues

The V-Series panels firmware is much larger than other panels' firmware and as such cannot be stored in flash memory in the rack, as other panels firmware can be; it has to be retained in the buffer used to store firmware which is in the process of being downloaded to panels.

The result is that if a V-Series panel upgrade is occurring and another panel type upgrade is begun, that new upgrade will over-write the V-Series panels firmware - in the middle of the V-Series panels upgrade. This breaks the upgrade. The recommended solution is to upgrade V-Series panels last.

3.3 i-Station Expansion panel upgrade issues

It is recommended that if you are upgrading an i-Station expansion panel (e-1410E) then do so before upgrading its host i-Station panel. Upgrading the i-Station panel first can result in the e-1410E being unusable after upgrade – if this is the case then please contact your supplier.

Please note that the e-1410E upgrade is only required if it is prone to multiple key presses at the same time as there is a problem with the previous version 010112 when multiple keys (3 or more) are pressed simultaneously then the panel can reset.

3.4 EHX Display Settings Restoration

There is a known issue that if EHX display settings (e.g. window size) are incorrect they may be restored to factory default by deleting the settings file which may be found in

C:\Documents and Settings\\Application Data\ClearCom\Eclipse Configuration System\EclipseClient.user
- For Windows XP

Or

C:\Users\\AppData\Roaming\Clearcom\Eclipse Configuration System\ EclipseClient.user
- For Windows 7

3.5 Duplicate items in assignment mode of i-Station panel

There is a known issue with the display of duplicate items (or triple items on controls) are listed in the assignment mode of the i-Station panel

When the port is a Global IFB then EHX has to send a port and IFB entity to the rack and both get shown.

EHX has to send 3 controls for each control to simulate talk/listen activation on attachments.

This is why they appear in duplicate/triplicate.

3.6 TEL-14 is unable to send multiple call signals to a panel.

There is a known issue when you configure a panel to enable call signal alerts. If you configure a TEL-14 interface to have a DTMF access code to the panel and enter the code to generate a call signal tone (91), the call signal tone is heard but if the audio route is removed by use of the 00 code then re-established by entering 91 again then the call signal is not generated at the panel.

3.7 EHX Map Build Fails with Control Macros

There is a known issue where an EHX map with the older scripted Control Macros, (not Logic Maestro), that were previously working, stops building when attempting to download. To fix this for the current session restart the PC.

3.8 Aux Mic level cannot be set on i-Station panel

There is a known issue that the i-Station panel Aux Mic level cannot be set by EHX

3.9 Disabled Sort Groups re-appear.

There is a known issue that if the user disables some sort groups in matrix hardware and then download to the frame, the sort groups appear correct on the panel.

However, if the config is then saved and reloaded all the disabled sort groups for the panel are re-enabled.

3.10 Fibre cards reporting TRANSCEIVER UP/DOWN

If one of the nodes in a multiple fibred system is faulty you may receive in the EHX logs multiple messages of the following format

FIBRECARD slot xx transceiver A UP

Or

FIBRECARD slot xx transceiver A DOWN

3.11 IVC-32 can disconnect and reconnect on Apply Change

The user should be aware that any IP panel connected to an IVC-32 which has had its connection type set in the panel menus to something other than DEFAULT, and whose value does not match the connection type configured in EHX, will briefly drop offline after a non-intrusive download.

To avoid this happening, the required connection type should be set for the panel in EHX, and the connection type configured in the panel menus should be left at DEFAULT.

3.12 IP Panel will not automatically log in after TFTP upgrade

An IP Panel will not automatically log in after being upgraded via TFTP. The panel needs to be restarted after the upgrade. The IP Settings should then be re-entered from the IP SETUP menu before the panel will be able to login.

3.13 Assigning remote groups via online mode fails

In a multi-system set-up, assigning a group from a remote system to a panel results in one of the local system groups showing up on the panel instead.

Making same assignment offline and downloading it to the system gives the correct result. Any subsequent online mode assignments of the same group will work, but assigning any other remote group in online mode fails again in the same way as described above

3.14 Fibre sometimes fails to recover from loopback mode

Sometimes when after the primary and secondary fibre connections fail, the system may not recover from loopback mode if the secondary connection only comes up. The system will recover correctly when the primary connection is restored.

3.15 IP Address Clash

Please ensure that there are no IP address clashes on the network.

If there is an IP address clash between an IVC-32 and another component on the network then this may cause the IVC-32 to reset.

If there is an IP address clash between an IP panel and another component on the network then this may cause the IP Panel to reset.

It is recommended that to reduce the possibility of an IP address clash that the panels are configured for DHCP mode (default mode).

4 Configuration Issues

4.1 GPI-6 and RLY-6 Installation

During the configuration of GPI-6 modules and RLY-6 modules, the Eclipse HX Omega\Median Systems requires the GPI-6 modules to be connected to the Eclipse HX Frame first, and then each GPI-6 module is daisy chained. If RLY-6 modules are also to be connected, they are required to be connected after the GPI-6 modules. If no GPI-6 modules are used then the RLY-6 module is connected to the Frame connector.

5 Support

5.1 DIG-2 and T-Adaptor Support

From Eclipse version HX 7.6 and above, the DIG-2 and T-adaptor modules will not be supported & will no longer operate.