ECLIPSE
OMEGA / MEDIAN /
E-PiCo / E-32 / E208

CUSTOMER RELEASE NOTE

Release 5.2.2

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CONTENTS

1 Introduction

1.1 Scope

This document describes the Eclipse changes from v5.1.3 in v5.2.2

Also included in this document is a formal identification of each software component that defines the v5.2.2 release.

1.2 New Functionality added to Eclipse v5.1.3 released in v5.2.2

1.2.1 Production Maestro Pro

Metering support added.

When the LMC-64 card is purchased this allows up to 64 meters to be allocated to partylines and four-wires on the Eclipse matrix or network. The Nordic N9 and VU modes of metering are supported.

Additionally, spotlight metering is supported. This is where the PC soundcard is used to provide a single meter. When in spotlight mode the meter is associated whatever the user hovers over with the mouse. This mode does not need the LMC-64 card.

1.2.2 ECS (Eclipse Management Software)

Rack discovery on local LAN

1.2.3 Card discovery

V5.1 hardware status check functionality is now brought to the foreground of the 5.2 ECS setup UI.

Card discovery is now supported by the following cards

- MVX–A16
- E-Que (E1 and FreeSpeak/Cellcom digital wireless)
- IVC-32
- LMC-64 (New)
- E-FIB Fibre card

1.2.4 Graphical User Guidance

V5.2 uses colour indications on grey (neutral background) to indicate configuration states. For example Amber indicates that the user has something to do before this section's data can be used.

1.2.5 Config/Layout structure rework.

The map structure is now as follows

Project (e.g. Vancouver Winter Olympics opening Ceremony
--> Matrix (e.g. 169.254.0.100)
--> Config : Accessed and duplicated etc. using the Config manager.

1.2.6 Eclipse Matrix DHCP client

The default IP set-up of a new matrix has the DHCP client enabled.

If no DHCP server is available the link-local address is reverted to allowing a laptop in DHCP mode to be connected directly to the rack with a single Ethernet cable.

1.2.7 CPU / Config Card LED Status display

Tapping the 'Eng' key on the CPU/config card front results in system information being read out from the LED panel on the config card. This information includes.

- IP Address
- System Number
- SW Version
- Matrix Dongle ID
- Eclipse release number

1.2.8 V-Series Rotary Support

Support for the new V-Series rotary has been added in V5.2.

This includes Assignment Panel (AP-22) replacement functionality using rotary fitted expansion panels.

1.2.9 Control Delay

This is useful for high latency IP links. This panel menu item delays the key off (deactivated crosspoint) processing by a configurable number of milliseconds. This is stored locally in the panel. In this way the control does not remove the crosspoint from the remote matrix before the audio has been received by the remote matrix.

1.2.10 Fibre Sub Ring formation

Multiple fibre breaks or multiple matrix power downs to form multiple fibre rings is now handled by the E-FIB fibre system. The limit of 5 intelligent link-hops remains.

Note: this does not affect customers using redundant fibre cards. They still have to use ECS > System > monitoring screen to monitor the redundant fibre card status.

1.2.11 V-Series dim key Talk or Listen type signalisation removal

The dim display of red green or amber to show a configured state of talk or listen or talk & listen can be removed by dimming the display brightness to the last three minimum settings.

1.2.12 Notable issue fixes

The following issues have been fixed in v5.2:

- E-Que Antennae loss following apply label changes is fixed
- IVC-32 login network port configuration is now available
- IP panels connected, but were not showing green on the IP Manager screen
- Party Line in-use tally is now only activated following a 4-wire VOX and is not always activated when a 4-wire is made a member of the PL.
- Party Line alias naming updates on Production Maestro no longer result in a system slow down
- TEL-14 channels show off-hook tally only if set in ECS.

2 Software Components

2.1 Eclipse Omega / Median / PiCo / E-32 v5.2.2 Software Components

Note 1: **Red & Bold text – with grey background – indicates recently changed or added software in this release between Release v5.1.3 and Release v5.2.2 – these changes should all be applied if upgrading to v5.2.2**

Note 2: **Red & Bold text – with green background – indicates recently changed or added software in this release between Release v5.1.3 and Release v5.2.2 – these changes may be optionally applied if upgrading to v5.2.2 – a note of each optional change is made in the table.**

Part No	Description	Device	File Type	C/Sum	Production (IFS / Avanté) Issue	Dev Issue	*Last updated in Release*
710620Z	Config Card Boot EPROM Code	ST 27W201	S Record	D50A	5 / E	1Cb	*Pre v4.2*
710621Z	**Config Card Application Code**	**NA**	**4kr**		**21 / AB**	**1.46.2**	**v5.2.2**
710622Z	Config Card U1 CPLD Code	XC9572	JED	57D6	1 / A	A	Pre v4.2
710623Z	Config Card U53 CPLD Code	XC95144	JED	6835	1 / A	A	Pre v4.2
710624Z	Config Rear Card CPLD Code	XC9572	JED	9411	4 / D	C	Pre v4.2
710625Z	MVX FPGA PROM Code	XC18V04	MCS	036E6BEE	6 / F See Note 1	E	v5.1.3
710626Z	MVX H8 Flash Code		MOT	F550D443	9 / K	A46	4.2
710627Z	**i-Station Code**	**NA**	**4kp**	**FF6E31F7**	**11 / M**	**10129**	**v5.2.2**
710628Z	ICS-2003 Panel Code		4kp & BIN	FF879AC6	10 / L	10191	V5.0.3
710629Z	ICS-2003T Panel Code		4kp & BIN		10 / L	10191	V5.0.3
710630Z	ICS-92/52 Panel Code	ATMEL 29C256	4kp & BIN		7 / H	10157	v5.1.1
710631Z	ICS-102/62 Panel Code	ATMEL 29C256	4kp & BIN		7 / H	10157	v5.1.1
710632Z	ICS-1008/16 Panel Code		4kp & BIN		4 / D	10112	4.2
710633Z	Eclipse 32 Boot ROM		S Record	E776E4	3 / C	1CC	Pre v4.2
710642Z	**ECS**	**NA**	**Exe**	**NA**	**24 / AE**	**1.100.1**	**v5.2.2**
710643Z	DIG-2 Rear Card CPLD (U8) Code		JED		1 / A	A	*Pre v4.2*
710644Z	DIG-2 Front Card Card Application Code		S19		1 / A	B	*Pre v4.2*
710648Z	ICS-2003 Panel odd Prom	SST 29EE010	BIN		10 / L	10191	v5.0.3

Part No	Description	Device	File Type	C/Sum	Production (IFS / Avanté) Issue	Dev Issue	*Last updated in Release*
710649Z	ICS-2003 Panel even Prom	SST 29EE010	BIN		10 / L	10191	v5.0.3
710650Z	ICS-2003T Panel odd Prom	SST 29EE010	BIN		10 / L	10191	v5.0.3
710651Z	ICS-2003T Panel even Prom	SST 29EE010	BIN		10 / L	10191	v5.0.3
710659Z	Eclipse 32 FPGA PROM Code	XCF04	MCS	00113E313	1 / A	3	*Pre v4.2*
710660Z	Eclipse 32 Glue Logic	XC9572	JED	7C12	2 / B	B	*Pre v4.2*
710661Z	Eclipse 32 GPIO Logic	XC95144	JED	6417	2 / B	B	*Pre v4.2*
710663Z	i-Station Expansion Panel Code (e-Station)	NA	4kp/Hex/s19	FF9DAC1A	2 / B	10113	*Pre v4.2*
710702Z	4222E/4212E Panel Code	NA	4kp	FFDEA47A	3 / C	BBH54M	*Pre v4.2*
710703Z	4222E/4212E Panel Boot Code		S Record	EF1A	1 / A	BR_60E	*Pre v4.2*
710704Z	4224E/4226E/4294E/4215E Panel Code	NA	4kp	FFDB8081	3 / C	PBH54M	*Pre v4.2*
710705Z	4224E/4226E/4294E/4215E Panel Boot Code		S Record	DC2C	1 / A	PR_60E	Pre v4.2
710749Z	**Eclipse PiCo Application Code**	**NA**	**4kr**		**11 / M**	**1.46.3**	**v5.2.2**
710756Z	TEL-14 PROC. ADAPT. APPLICATION S/W	89LPC935	HEX	NA	2 / B	1.10	*Pre v4.2*
710793Z	Eclipse Fibre Router (Front) FPGA		MCS	010f73f00	4 / D	1.21	v5.1.1
710794Z	Eclipse Fibre Networking (Rear) FPGA		MCS	010f82f5c	4 / D	1.23	v5.1.1
710799Z	4222E/4212E Panel Boot Code (Unleaded)		S Record		1 / A	BR_70G	*Pre v4.2*
710800Z	4224E/4226E/4294E/4215E Panel Boot Code (Unleaded)		S Record		1 / A	PR_70G	*Pre v4.2*
710801Z	4216 Custom Interface panel (V3 Release)		S Record	E400H	2 / B	BDH54M	*Pre v4.2*
710802Z	4230 Vertical Extension panel (V3 Release)		MOT	NA	1 / A	HDH10H	*Pre v4.2*
710807Z	**E-Que FPGA Code**	XCF16PVO48C	MCS, SVF	0112c2e92	4 / D	13	v5.0.3
Optional Update	FPGA reset detection allowing card to be reset in application - No dependency with application version as FPGA version detection used.	**XCF16PVO48C**	**MCS, SVF**	**01125665f**	**5 / E**	**14**	**v5.2.2**
710809Z	**E-Que Application Code**				**6 / F**	**3.10.5**	**v5.2.2**
710810Z	E-Que Boot ROM Code		SREC		2 / B	1.4	v5.0.3
710813Z	**AES-6 Application Code**	**AES-6 (710785Z)**	**MOT**		**3 / C**	**2.02**	**v5.2.2**

Part No	Description	Device	File Type	C/Sum	Production (IFS / Avanté) Issue	Dev Issue	*Last updated in Release*
710814Z	AES-6 XILINX Code	AES-6 (710785Z)	MCS	0xFFB50F21	6 / F	6	v5.1.1
710815Z	V Series Panel Display PIC Boot Loader Code		HEX		3 / C See Note 2	2	v5.1.3
710817Z	V Series Panel UBOOT TFTP Image Code		LDR		4 / D	17	v5.0.3
710818Z	**V Series Panel Application Code**		4KP, JFFS2		7 / H	1.73.0	v5.1.3
Optional Update **Note: a mixture of v5.1.3 and v5.20 panels are supported**	IP connection restored after central upgrade HS2 can be set to dynamic unbalanced V-Series IP in/out levels are now 0dB ,Audio From a V-Series IP panel was 12dB lower than an analog panel Display corruption resolved. V-Series dropping offline due to can msg loss Control delay menu options added Production Test Mode added Tally LEDs and Display operationally Dimmable V-Series Rotary Panel support added		**4KP, JFFS2**		**8 / J**	**1.89.0**	**v5.2.2**
710819Z	**V Series Panel Display PIC Application Code**		**HEX,4KP**		**4 / D**	**0.38**	**v5.2.2**
710821Z	V Series Panel Kernel		vmImage		3 / C	2.6.19	v5.1.1
710822Z	V Series Root File System		rootfs.cramfs		2 / B	3.1.0 Mar 19 08	v4.2
710823Z	Antenna – Kirk Module – Application Code		.MOT		1 / A	AA_AK00020i	*Pre v4.2*
710824Z	Active Antenna RM5 Application		.MOT		2 / B	AA_AR0020i	*Pre v4.2*
710825Z	Antenna – Kirk Module – DECT Code		.HEX		1 / A	c6983_dect_hw_fp_v21_k19	*Pre v4.2*
710826Z	Active Antenna RM5 Dect Stack		.HEX		2 / B	c6657_hw_fp_v21_rm5	Pre v4.2
710827Z	**FS-BP MK II – Kirk Module – App Code**		.MOT		9 / K	3K010214	v5.1.3
Optional Update	Beltpack waking up on page #2 but then reverting back to #1 on their own		**.MOT**		**10 / L**	**3K010215**	**v5.2.2**

Part No	Description	Device	File Type	C/Sum	Production (IFS / Avanté) Issue	Dev Issue	*Last updated in Release*
710828Z	**PD2202/FS BP I KIRK 6 Page BP App**		.MOT		8 / J	2K000214	v5.1.3
Optional Update	Beltpack waking up on page #2 but then reverting back to #1 on their own		**.MOT**		**9 / K**	**2K000215**	**v5.2.2**
710829Z	Antenna Splitter Application		.MOT		1 / A	SP0x010C	*Pre v4.2*
710830Z	FS-BP MK II – Kirk Module – DECT Code		.HEX		1 / A	C6983_dect_hw_pp_v22_k19	*Pre v4.2*
710831Z	FreeSpeak Beltpack RM5 DECT Stack		.HEX		2 / B	c6657_dect_hw_pp_v22_rm5	*Pre v4.2*
710833Z	Eclipse Serial Number Generator		.EXE		1 / A	1.0.0.0	Pre v4.2
710834Z	Eclipse Pass Code Generator		.EXE		5 / E	1.0.4.0	v5.1.3
710835Z	**PD2202 KIRK - 1-6 Page BP App**		.MOT		7 / H	1K010214	v5.1.3
Optional Update	Beltpack waking up on page #2 but then reverting back to #1 on their own		**.MOT**		**8 / J**	**1K010215**	**v5.2.2**
710836Z	**PD2202 RM5 - 1-6 Page Beltpack App**		.MOT		7 / H	1R010214	v5.1.3
Optional Update	Beltpack waking up on page #2 but then reverting back to #1 on their own		**.MOT**		**8 / J**	**1R010215**	**v5.2.2**
710846Z	4222E/4212E Coax Panel Code		4kp	FFE7B78A	1 / A	BBG54M	Pre v4.2
710847Z	4224E/4226E/4294E/4215E Coax Panel		4kp	FFE5EF43	1 / A	PBG54M	Pre v4.2
710848Z	Eclipse Serial Config Uploader		.EXE		1 / A	2.0.1	Pre v4.2
710853Z	**PD2202/FS BP I RM5 6 Page BP App**		.MOT		6 / F	2R010214	v5.1.3
Optional Update	Beltpack waking up on page #2 but then reverting back to #1 on their own		**.MOT**		**7 / H**	**2R010215**	**v5.2.2**
710858Z	AES-6-3K Xilinx Firmware	AES-6 (710785Z)	MCS	FFB55407	2 / B	2	v5.1.1
710878Z	Danner Cassette Panel Application		.4KP		1 / A	ZBG340	v5.1.1
750030Z	**Concert Install DVD ISO Image**		**.ISO**		**4 / D**	**2.5.0**	**v5.2.2**
750042Z	**Concert Client**		**.EXE**		**4 / D**	**2.5.48**	**v5.2.2**
750043Z	**Concert Server**		**various**		**3 / C**	**2.5.0**	**v5.2.2**
750045Z	**Eclipse Documentation CD ISO Image**		**.ISO**		**5 / E**	**12**	**v5.2.2**
750048Z	**Production Maestro**		**.EXE**		**3 / C**	**1.10.4**	**v5.2.2**

Part No	Description	Device	File Type	C/Sum	Production (IFS / Avanté) Issue	Dev Issue	*Last updated in Release*
750049Z	Production Maestro DVD ISO image		.ISO		3 / C	1.10.4	v5.2.2
750063Z	Concert yum Repo File		.repo		2 / B	2	v5.2.2
750064Z	Concert yum repository files		.rpm		2 / B	2.5.0	v5.2.2
750072Z	ECS v5.2 Standalone Desktop Application		.EXE		1 / A	1.100.1	v5.2.2
750074Z	Omega Factory Default Configuration		.CCN		1 / A	v5.2.2	v5.2.2
750075Z	Median Factory Default Configuration		.CCN		1 / A	v5.2.2	v5.2.2
750076Z	E-PiCo Factory Default Configuration		.CCN		1 / A	v5.2.2	v5.2.2
750077Z	Eclipse v5.2 Config Software DVD ISO		.ISO		1 / A	1.100.1	v5.2.2

Note 1: 710625Z MVX FPGA PROM Code has been regressed to issue E - IFS revision 6 – Avanté Revision F

Note 2: 710815Z V-Series Panel Display PIC Boot Loader code hex file was found to be incorrect in previous releases, therefore correct file included within this release and the production IFS issue up-issued to revision 3 and the development issue remains at issue 2.

2.2 Eclipse Omega / Median / PiCo / E-32 v5.2.2 Documentation

Note 1: **Red & Bold** text indicates changed or added software in this release between Release v5.1.3 and Release v5.2.2

Part No	Description	Proposed Production (IFS / Avanté) Issue	Doc Issue	*Last updated in Release*
810263Z	ICS-21 Intercom Panel Instruction Manual	2 / B	2	v4.2
810264Z	ICS-22 Intercom Panel Instruction Manual	2 / B	2	v4.2
810265Z	ICS-24 Intercom Panel Instruction Manual	2 / B	2	v4.2
810268Z	IFB-104 Interface Manual	2 / B	2	v5.1.1
810290Z	**Eclipse Omega Matrix Frame and Circuit Cards Instruction Manual**	**11 / M**	**10**	**v5.2.2**
810291Z	FIM-108 Matrix Fibre Interface Instruction Manual	1 / A	A	Pre v4.2
810298Z	**Installing the Eclipse Matrix System: An Overview**	**8 / J**	**8**	**v5.2.2**
810299Z	**Eclipse Configuration System Version 5.0 Instruction Manual**	**16 / U**	**16**	**v5.2.2**
810301Z	ICS-92/52 Intercom Panels Instruction Manual	4 / D	4	v5.1.1
810302Z	ICS-102/62 Intercom Panels Instruction Manual	3 / C	3	v5.1.1
810303Z	ICS-2003 Intercom Panel Instruction Manual	4 / D	4	v5.1.1
810305Z	I-Series Intercom Panel Instruction Manual	4 / D	4	v5.1.1
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
810315Z	Eclipse 32 Instruction Manual	8 / J	7	v5.1.1
810319Z	FIM-102D Matrix Fibre Interface Instruction Manual	1 / A	A	Pre v4.2
810347Z	**Eclipse Median Frame and Circuit Cards Instruction Manual**	**8 / J**	**7**	**v5.2.2**
810348Z	Eclipse PiCo Instruction Manual	6 / F	5	v5.1.1

Part No	Description	Proposed Production (IFS / Avanté) Issue	Doc Issue	*Last updated in Release*
810365Z	**V Series Panels User Guide**	**7 / H**	**7**	**v5.2.2**
810372Z	CellCom / FreeSpeak Wireless System Upgrade Manual	6 / F	6.05	v5.1.1
810374Z	Eclipse Omega/Median/E-PiCo/E-32 Internal Release Note	9 / K	5.1.3	v5.1.3
810375Z	Eclipse Omega/Median/E-PiCo/E-32 Customer Release Note	9 / K	5.1.3	v5.1.3
810376Z	Eclipse Wireless Beltpack manual	4 / D	4	v5.1.3
810377Z	Eclipse System Upgrade Manual	6 / F	6	v5.1.1
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
STA0530Z	4000 Series Panels for Eclipse Installation Guide	5 / E	5	v5.1.1
STA0531Z	4000 Series Panels for Eclipse User Guide	4 / D	4	v4.2
810385Z	FIM-202D INSTRUCTION MANUAL	3 / C	3	v5.1.1
810388Z	V-SERIES AES3 OPTN INST MANUAL	3 / C	3	v5.1.1
810396Z	V-SERIES Rack-Mount LEVER KEY REFERENCE CARD	2 / B	2	v5.1.1
810397Z	V-SERIES PUSHB KEY REFERENCE CARD	2 / B	2	v5.1.1
810398Z	V-SERIES DESKTOP REFERENCE CARD	2 / B	2	v5.1.1
810403Z	BAL-8 Transformer Ground Isolation Interface Manual	1 / A	1	v4.2
810404Z	ICS-1016E/1008E Intercom Panels Instruction Manual	2 / B	2	v5.1.1
810405Z	V-SERIES XLR4M TO XLR7M UPGD MANUAL	1 / A	1	v5.1.1
810406Z	V-SERIES T OPTN INST MANUAL	1 / A	1	v5.1.1
810408Z	Production Maestro Internal Release Note	2 / B	2	V5.1.3
810409Z	Prod Maestro – incorporating Pro - Quick Install Guide	2 / B	2	V5.1.3
810410Z	**Prod Maestro – incorporating Pro - Install & User Manual**	**3 / C**	**3**	**v5.2.2**
810412Z	Active Antenna Synchronization Procedure	1 / A	1	v5.1.1
810414Z	**Eclipse Logic Maestro Instruction Manual**	**2 / B**	**2**	**v5.2.2**
810512Z	V-Series Desktop Push Button Reference Card	1 / A	1	v5.1.1
810517Z	**Eclipse v5.2 Quick Start Guide**	**1 / A**	**1**	**v5.2.2**

3 Known Issues

This section details those issues that contradict the relevant manuals included in this release. These issues have not been resolved in V5.2 and are listed here to help you use the system more effectively.

3.1 V-Series upgrade issues

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

3.2 I-Series Expansion panel upgrade issues

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

Please note that the e-1410 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.

3.3 ECS Display Settings Restoration

There is a known issue that if ECS 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\<CURRENT_USR>\Application Data\ClearCom\Eclipse Configuration System\EclipseClient.user - For Windows XP

Or

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

3.4 ECS – error on download if another HSL PiCo deleted

There is a known issue when you delete one of a pair of High Speed Linked PiCos in the ECS Project.

Items relating to the deleted system appear to be deleted from the remaining configuration. On downloading, a map build error is encountered.

On attempting to close the remaining config ECS showed that the deleted config was open.

Closing this config did not resolve the problem.
Exporting the config and re-importing as a single config did resolve the problem

3.5 Duplicate items in assignment mode of I-Series panel and ICS-2003E

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-Series panel and the ICS-2003E

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

ECS 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 4294EBL - not supported in ECS Status Check

There is a known issue when online status check is performed with a 4294EBL attached to the Matrix it will be reported as a Trunk.

3.7 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.

3.8 ECS - Label deletion ignored when only 1 label on mimic

There is a known issue that when Panel programming is opened to a panel page with only 1 label and that label is then removed and downloaded the label is not removed from the panel.

To remove the label, go to the Panel Programming screen to select the clear button – then download.

3.9 ICS-2003E Assignment screen

There is a known issue that the ICS-2003E Assignment screen will only display 30 entries for selection into or out of Fixed Group, Party Lines etc.

3.10 ECS Map build Fails with Control Macros

There is a known issue where an ECS 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.

3.11 Aux Mic level cannot be set on I-Series panel

There is a known issue that the I-Series panel Aux Mic level cannot be set by ECS

3.12 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.

3.13 ECS On-line Changes to V-Series Panels

On-line changes made via ECS to a V-panel only become permanent once a normal ECS map download has occurred. Should for example the V-panel be reset after changes are made but before a map download, those changes will sometimes (but not always) be lost.

3.14 Route Inhibit activates Global IFB

If route inhibit is set on a direct that has global IFB set, then when the control is activated the IFB action cuts even if no panel key is pressed to talk to that direct.

3.15 Route Inhibit does not work across Networks

Route Inhibit functionality does not work across a network of linked Matrices.

3.16 Local Advanced Latch Disable does not work across Networks

Local Advanced Latch Disable does not work across Networks

3.17 ECS Crosspoint Viewer Fibre Linked Matrices

Using Crosspoint viewer you cannot see routes made across the fibre from the other system coming into your system.

3.18 V-Series panel LS mute not active when panel is offline

V-Series panel LS mute does not come on when panel is offline from the matrix

3.19 XPL-22 panel can't display a listen only label on ICS-2003E

To display a Listen label it is only possible if the user toggles the 5 key on the keypad and this only briefly allows the listen label to be displayed.

3.20 Fibre cards reporting TRANSCEIVER UP/DOWN

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

FIBRECARD slot xx transceiver A UP

Or

FIBRECARD slot xx transceiver A DOWN

3.21 IVC-32 can disconnect and reconnect whenever Apply Change is performed

The user should be aware that any IP panel connected to an IVC-32which 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 ECS, will briefly drop offline after a non-intrusive download.

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

3.22 Programming Danner Cassette panel in online mode can cause an error

Trying to program the lower row of keys of the PD4224 panel when a Danner Cassette panel is connected to the other end results in up to 8 errors being displayed in a row (you need to click it away every time). Any subsequent key changes, even to the upper row fail. To clear the problem the user has to go offline and back online.

3.23 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 and will subsequently login.

3.24 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 in again in the same way as described above

3.25 Fibre sometimes fails to recover from loopback mode for multiple failures

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.

3.26 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 5.2.2 Configuration Issues

4.1 ECS Installation and saving your work

Currently with ECS, a complete uninstall is required before a reinstallation is possible, therefore users **should export required configurations before uninstalling.** ***This is required as existing configurations are lost during ECS upgrade with the ECS uninstall*****.**

4.2 GPI-6 and RLY-6 Installation

During the configuration of GPI-6 modules and RLY-6 modules, the Eclipse Omega\Median Systems requires the GPI-6 modules to be connected to the Eclipse 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.

4.3 ECS stacked keys

Stacked Key functionality is not available for ICS-2003E Panels or its Expansion Panels.

4.4 4000 Series II Panel Jumper Settings

Please refer to the Eclipse Installation manual if you are reusing 4000 panels from a 4000 system on Eclipse.

5 Version 5.2.2 Upgrade Advice

5.1 Upgrade order

Upgrade in the following order:

- **Panels (see below)**
- **Matrix**
- **ECS**

5.2 Upgrade ICS-52/92/62/102 Firmware First

For the ICS-52/62/92 and 102, the v4.2 firmware is not compatible with the v5.2 firmware in the Eclipse-32/Eclipse-PiCo/Omega/Median matrices. If the panel has the v4.2 firmware and the matrix has V5.2, the panel will not be operable and as such will not be upgradeable via ECS; direct firmware download using a PROM device will be necessary. **So, you should upgrade Panels to v5.2 before upgrading the main system.**

5.3 Then upgrade V-Series Firmware

The V-Series firmware is much larger than other panel firmware and cannot be stored in flash in the matrix, 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 upgrade is occurring and another panel type upgrade is begun, that new upgrade will over-write the V-Series firmware - in the middle of the V-Series upgrade. This breaks the V-Series upgrade. **The recommended solution is to upgrade V-Series panels after upgrading all other panel types**.

IMPORTANT NOTE: It is necessary that all pre-V5.1.3 V-Series panels be upgraded using the TFTP server as specified in the Eclipse Upgrade Manual. This not only ensures the new U-Boot & File System software is upgraded but also the Application software is upgraded and so removes the need to upgrade via ECS.

5.4 CPU Card OK LED Alarm on first Upgrade to v5.2

When the rack config card firmware is first upgraded to V5.2 from a lower version than 5.0.3 the NVRAM health alarm LED signalisation will be seen on the CPU config card status OK LED. For this initial upgrade this doesn't signal an error, only that the NVRAM is being put into the new format. If it happens again after a power cycle this indicates a problem with the unit, probably the CPU Card battery level.

If upgrading from a lower version than 5.0.3 this signalisation is not seen when the unit is first upgraded to V5.2 please check that the correct rack firmware version is loaded using the matrix event log. If not, a serial S4 driver based firmware upgrade of the card may be required. This issue requiring a S4 driver download has been corrected in V5.0.3 and therefore will not be seen again once at V5.0.3 or beyond.

6 ECS Installation Errors

6.1 ECS installer requires XP SP3 or Vista SP1

Both these service packs are available on the DVD\3rd_Party_Software
You will be informed during ECS install if you need to apply these Windows service packs.

6.2 .NET Framework

During an install of ECS for the first time, it is possible that ECS encounters trouble installing Microsoft .NET Framework 2.0. If during the install, ECS continuously tries to install .NET 2.0, cancel the install and visit the Microsoft web site and download .NET Framework 2.0 and manually install. Once completed ECS can be installed.

6.3 "MSXML is Protected" message

There have been instances of a "MSXML is protected" error, during the install of ECS. If this error is encountered users should ignore it and just proceed with the install.

6.4 "MSXML 6" error message on SQL install

You may get an error during the SQL if installing on a machine already loaded with MS Office 2007 – this is a known Microsoft issue – please see

http://sqlblog.com/blogs/aaron_bertrand/archive/2009/02/20/the-xp-sp3-msxml6-sp2-sql-server-debacle.aspx

6.5 MDAC

An error may be shown to users under Windows XP SP2. Since ECS V1.3, ECS installs MDAC 2.8 silently. With Windows XP Service Pack 2 these components have been integrated into the Operating System. Previously, an attempt to install older components would fail silently, but Microsoft displays an error screen. The user has the option to choose "Cancel" or "Details". "Details" shows a help screen and "Cancel" allows the installation to proceed.