FireCell Control Panel Flash Upgrade

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Contents

Introduction	3
Required Tools	3
Software Compatibility Chart	3
Download & Prepare Setup File	4-8
Panel Software Upgrade	9-11
Troubleshooting	11

Introduction

The following guidelines can be followed, to upgrade EMS FireCell control panel software to the new full hybrid software version. The following upgrade procedure is the same, for both Syncro and Syncro AS control panels. Other methods of carrying out this upgrade may also be available.

Any cause & effect functionality will require reconfiguration and verification, following the upgrade.

EMS takes no responsibility for any loss of data, caused by this upgrade.

This software upgrade must only be performed by a fully trained competent person, with a working knowledge of the control panel and Loop Explorer programme.

If necessary; inform the monitoring station and disable sounders, outputs and buzzers etc, during the upgrade (as per normal maintenance and test procedures).

Required Tools

Before starting the upgrade, the following items MUST be available.

- FC-000-KEN FireCell control panel programming lead
- Laptop with both, new *(MLoop 60082)* and legacy *(MLoop 60020)* Loop Explorer software installed.
- New control panel software .bin files *(Syncro 652 UK & Syncro AS 652 UK)*.

Note: New and Legacy Loop Explorer software and .bin files are free to download from www.emsgroup.co.uk

Software Compatibility Chart

Recommended software / panel version compatibility, is highlighted below:

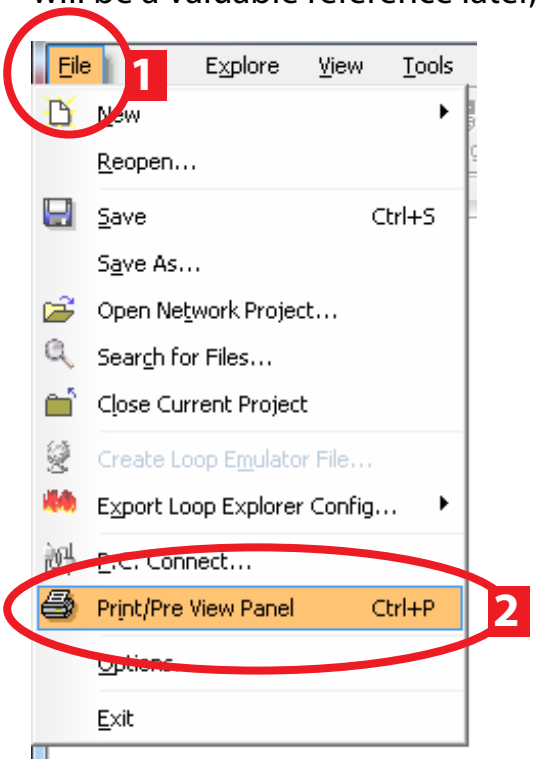
Recommendations	**NEW** Loop Explorer *MLoop 60082*	Loop Explorer *MLoop 60020*
NEW Syncro Control Panel, *S/W Rev 'Syncro 652 UK'*	✓	–
NEW Syncro AS Control Panel, *S/W Rev 'Syncro AS 652 UK'*	✓	–
Syncro Control Panel, *S/W Rev '642 UK' or earlier*	–	✓
Syncro AS Control Panel, *S/W Rev '642AS UK' or earlier*	–	✓

Download & Prepare Setup File

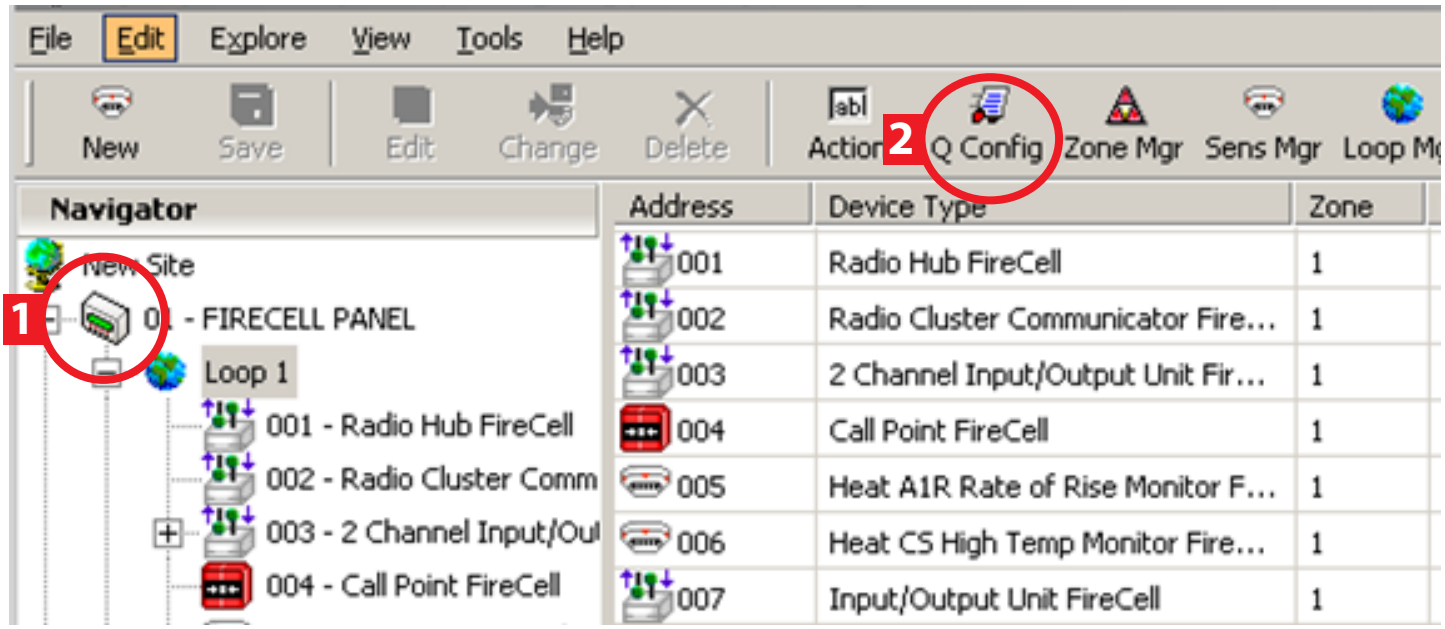
1 Connect To The Control Panel
Connect the programming lead to the control panel's programming port.

2 Download Setup
Open the legacy Loop Explorer ***(MLoop V60020)*** and download a setup file. *The file should be saved as a backup setup file.*

3 Save Printout
It is recommended that a printout is saved, via the print/ pre view panel menu. The printout will be a valuable reference later, when converting the devices to wireless.

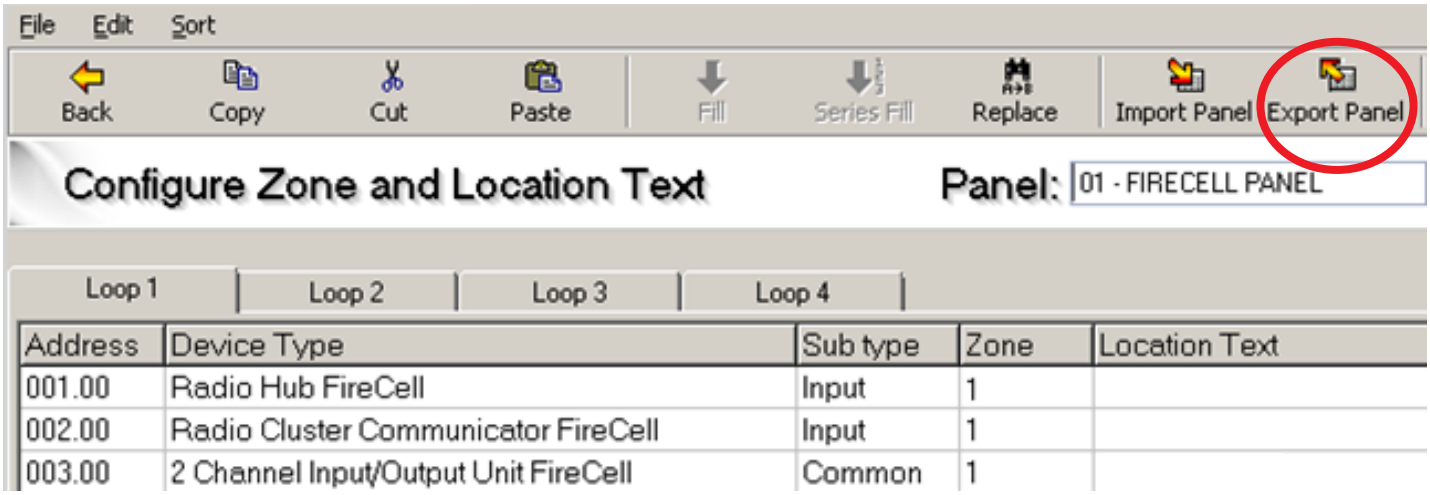


4 Export Loop Explorer Loop Text Information
Click on the control panel icon, then click on the 'Q Config' icon.



Download & Prepare Setup File

Click on 'Export Panel' icon and save the loop file.



5 Exit the Loop Explorer program.

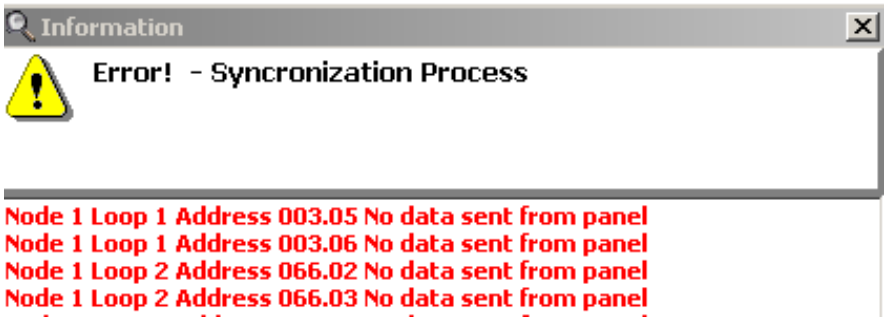
6 Download Setup

Open NEW Loop Explorer ***(MLoop V60082)*** and download a setup file. *The file must be saved as a new setup file.*

Work can now be undertaken on this new panel setup file.

Note 1: It is expected behaviour to see the error message below for Wireless Dual I/O and XPlorer hardwired output units. Click on close if this occurs and continue.

Note 2: XPlorer hardwired output units require their device type changing to ensure they correspond correctly.

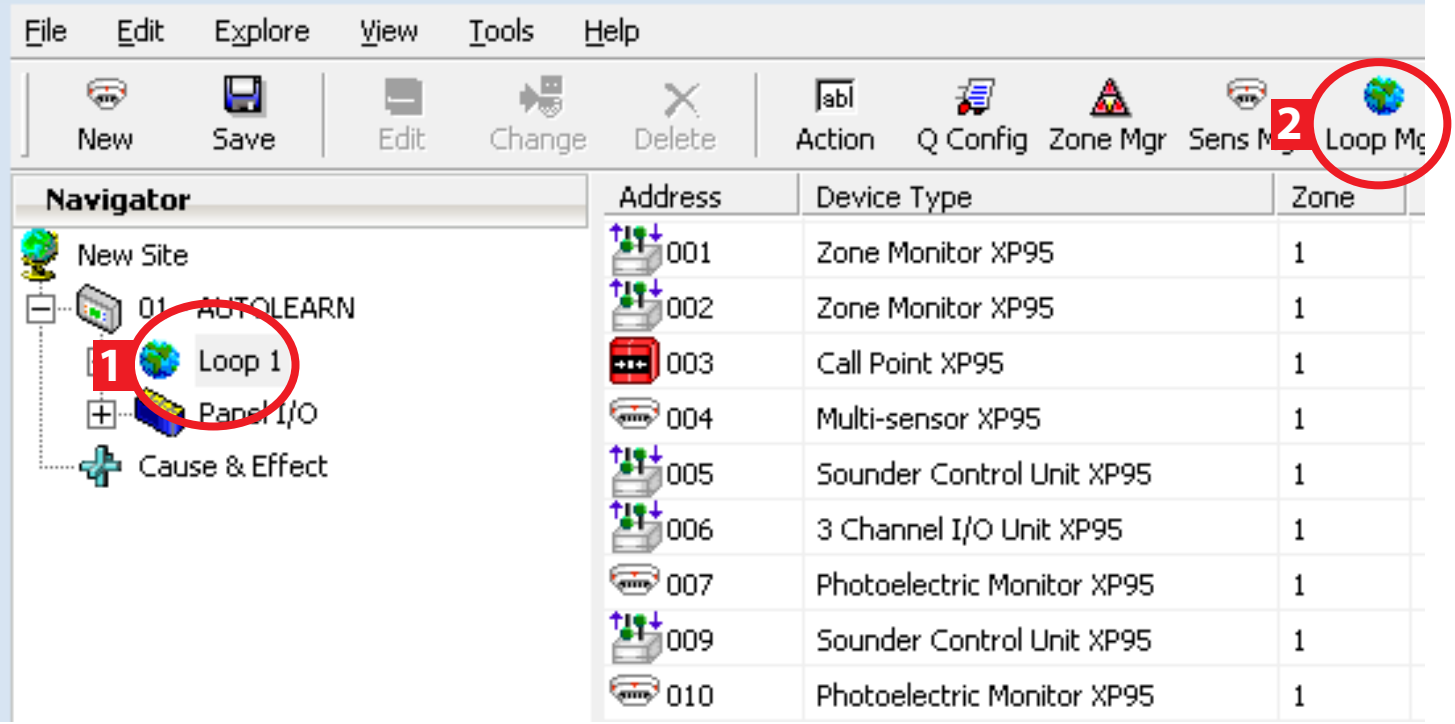


Download & Prepare Setup File - Continued

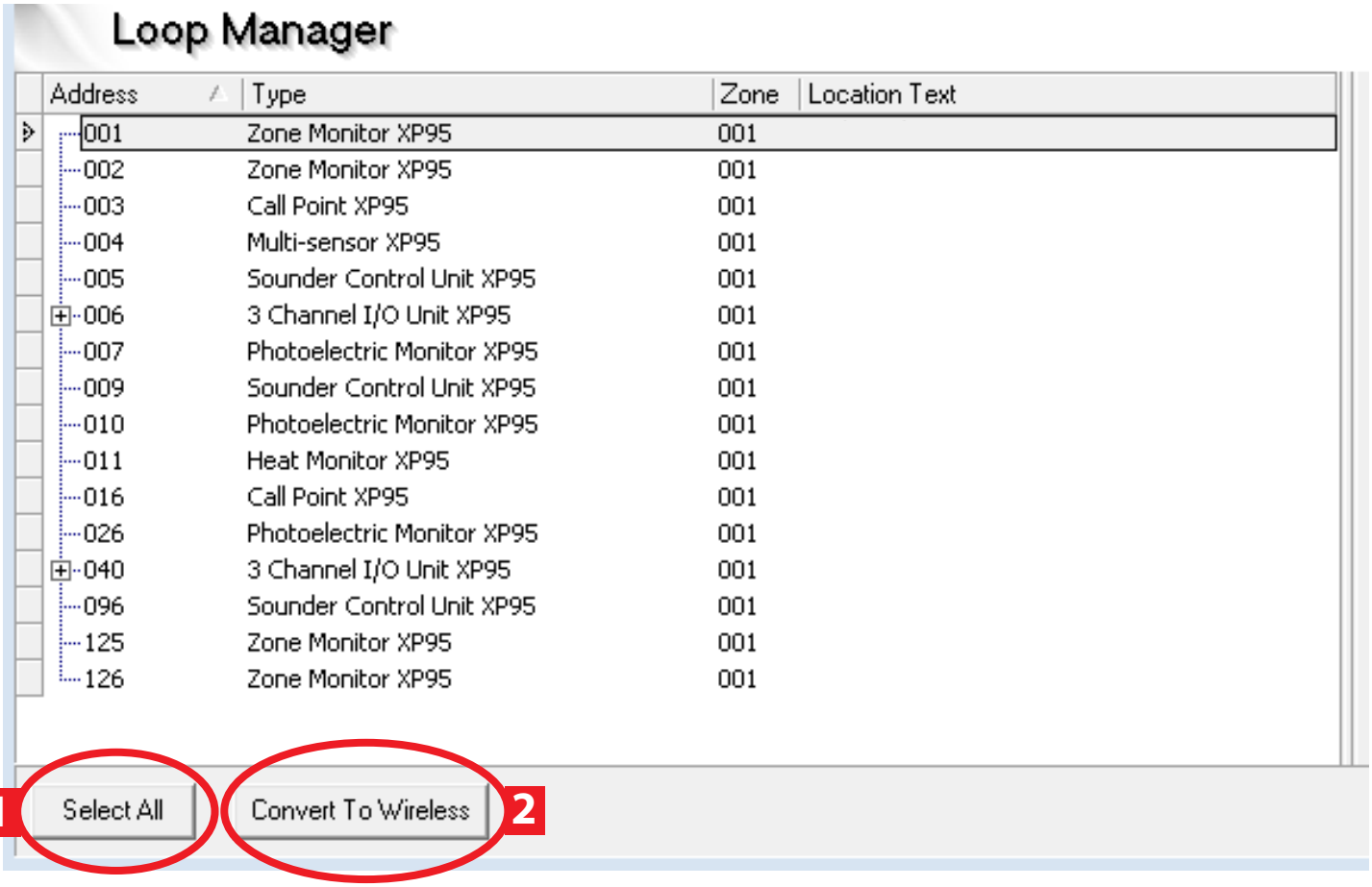
7 Convert Devices To Wireless

Click on the loop icon with wireless devices connected, then select the 'Loop Mgr' icon.

Note: in the example below, loop 1 with wireless devices connected has been selected.



Click on 'Select All', then select 'Convert to Wireless'.



Download & Prepare Setup File - Continued

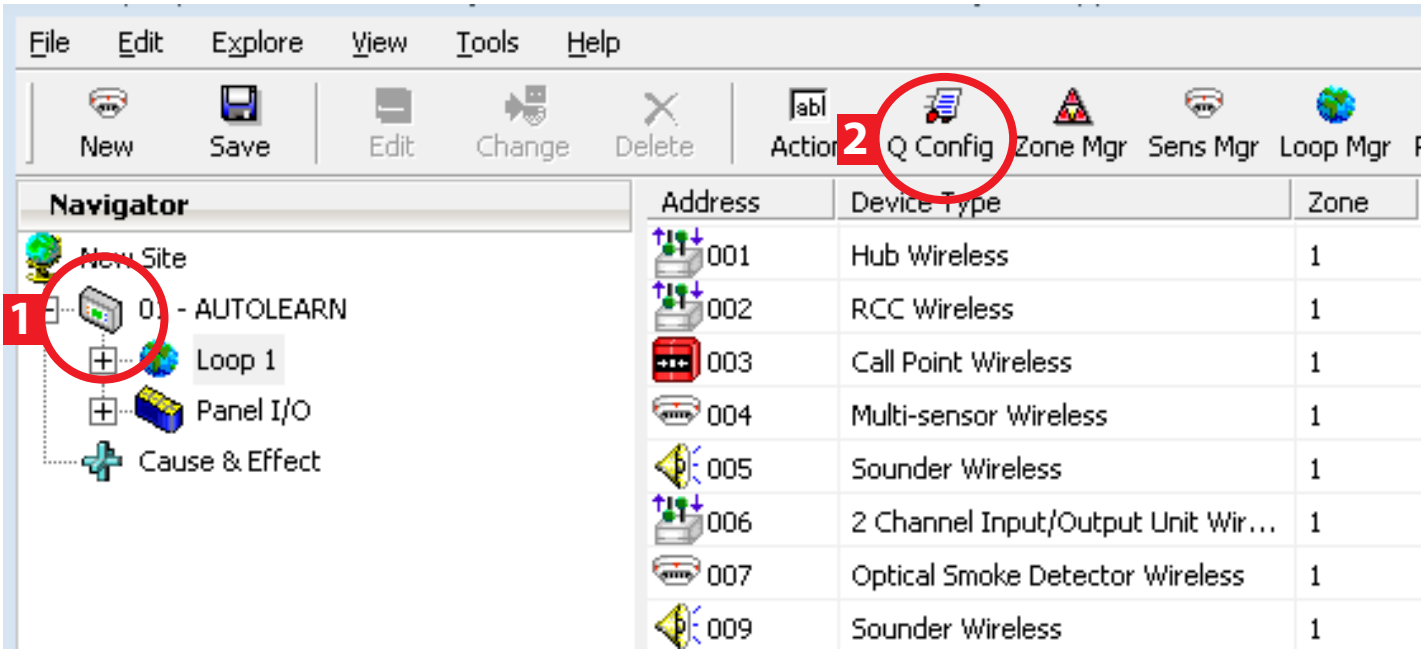
When prompted, select the correct device types. i.e. Radio Hub or RCC etc. Refer to the earlier printout, to ensure the correct device types are selected.

Upon completion, the loop manager should display the correct wireless device types.

Address	Type	Zone	Location Text
001	Hub Wireless	001	
002	RCC Wireless	001	
003	Call Point Wireless	001	
004	Multi-sensor Wireless	001	
005	Sounder Wireless	001	
006	2 Channel Input/Output Unit Wireless	001	
007	Optical Smoke Detector Wireless	001	
009	Sounder Wireless	001	
010	Optical Smoke Detector Wireless	001	
011	Heat A1R Rate of Rise Monitor Wireless	001	
016	Call Point Wireless	001	
026	Optical Smoke Detector Wireless	001	
040	2 Channel Input/Output Unit Wireless	001	
096	Sounder Wireless	001	
125	RCC Wireless	001	
126	RCC Wireless	001	

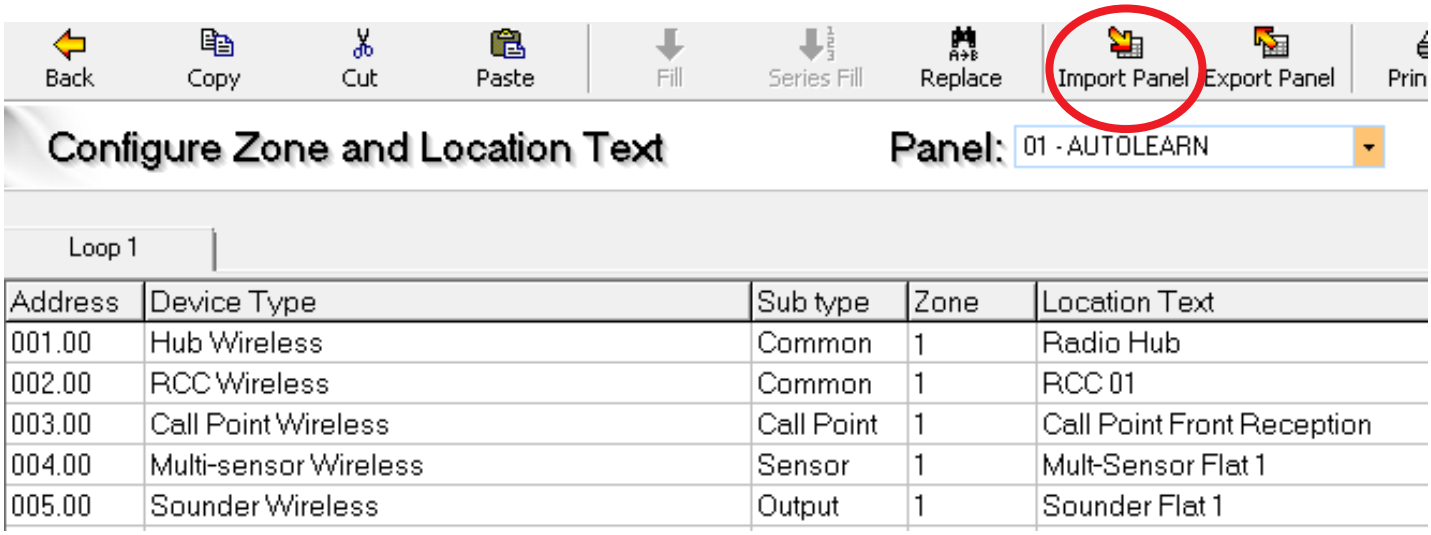
Select close, to return to the main screen.
Repeat Step 7; for all other loops with wireless devices connected, converting them all to wireless type devices as necessary.

8 Import Loop Explorer Loop Text Information
Click on the control panel icon, then click on the 'Q Config' icon.



Download & Prepare Setup File - Continued

Click on 'Import Panel' and select previously saved loop file.



Address	Device Type	Sub type	Zone	Location Text
001.00	Hub Wireless	Common	1	Radio Hub
002.00	RCC Wireless	Common	1	RCC 01
003.00	Call Point Wireless	Call Point	1	Call Point Front Reception
004.00	Multi-sensor Wireless	Sensor	1	Mult-Sensor Flat 1
005.00	Sounder Wireless	Output	1	Sounder Flat 1

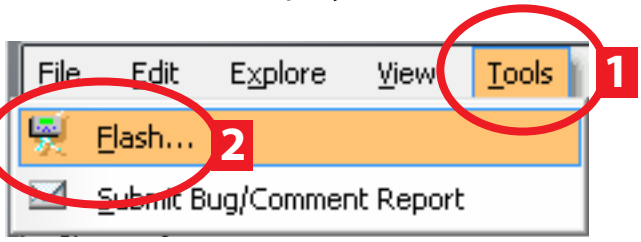
The necessary file configuration changes are now complete.

9 Save New & Completed File

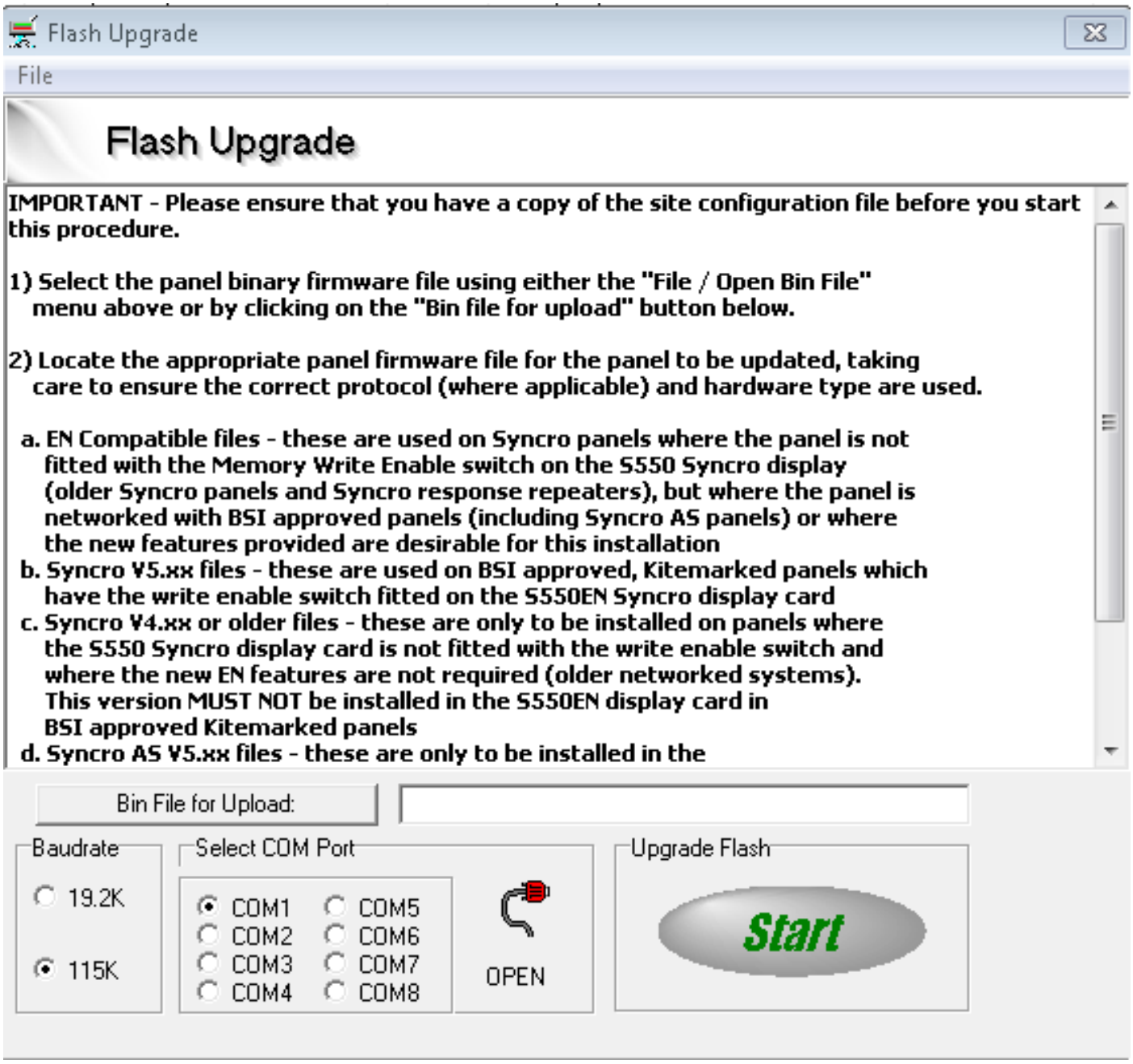
Once complete, click the 'back' button, to return to the main display and save the updated file.

Panel Software Upgrade

1 Flash Upgrade
From the main display, select the 'Tools' drop down, then select 'Flash'.



The display will change to show:

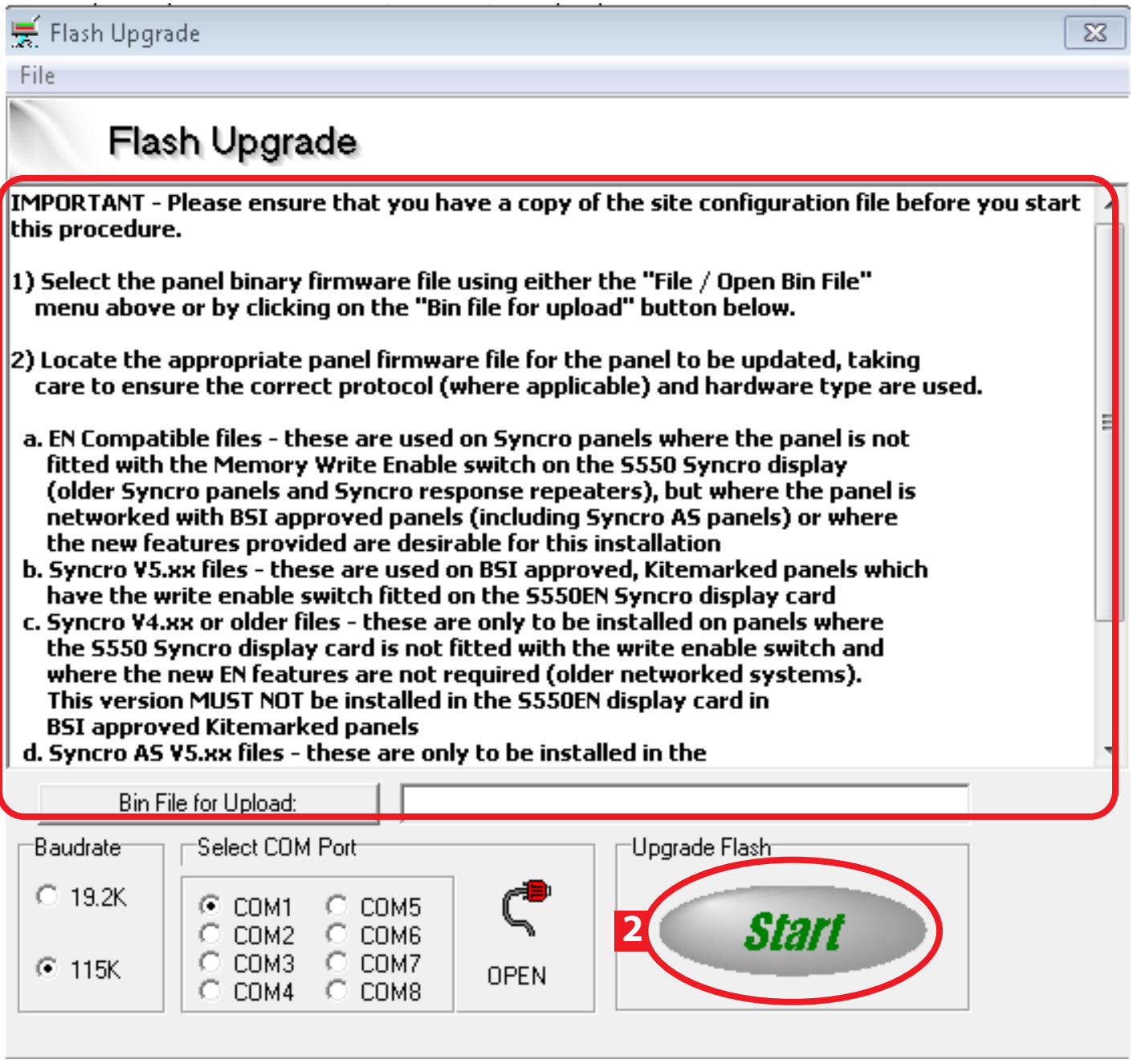


Panel Software Upgrade - Continued

Select 'Bin File for Upload', then select the appropriate .bin file.

WARNING. DO NOT re-flash to wrong panel type!
Syncro Control Panel = Revision 'Syncro 652 UK'
Syncro AS Control Panel = Revision 'Syncro AS 652 UK'

Follow the on screen instructions, then select 'Start'.



Upon completion of the upgrade, the panel will re-initialise. Once restarted, enter Access Level 2, to check the new software revision number is correctly shown.

Panel Software Upgrade - Continued

2 Upload Setup
The new setup file can now be uploaded to the Control Panel.

Upon completion, the panel will reinitialise and show a normal state.

Check in the view devices menu; to ensure that the text and device type information is correct.

3 Test Devices
Test devices on the system, to ensure information is correctly displayed. It is recommended that a minimum of one input device and one output device is tested per loop. i.e. a call point and a sounder audio device.

Troubleshooting

Should you encounter any issues during your upgrade, contact EMS Technical Support on +44 (0) 1227 369570.

www.emsgroup.co.uk

Fire Industry Association

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