WIRELESS FIRE DETECTION

FireCell Version 3 Software

Following the success of the current FireCell wireless fire detection and alarm system, EMS as a leading manufacturer and developer, has continued to develop the FireCell hardware platform and enhance the software capabilities of each of the products in the range.

Version 3 software incorporates customer & engineer feedback providing a major upgrade to product software, empowering engineers with additional diagnostic features. Larger system installations e.g. 2000+ devices, are often undertaken as a phased approach, since access restrictions are common place. With inevitable engineer handovers in mind, a new single point verification feature allows engineers arriving on site to effortlessly view the status of every device on the system. The feature performs a realtime check for errors and swiftly captures any omissions, providing optimum engineer support.

Another new feature provides engineer access to supplementary detailed system information, which is invaluable when examining the system in a diagnostic capacity. The obtained information can also be printed for future reference.

System programming is now backed by an automatic smart verification feature, that oversees changes made to the system. This feature offers instant feedback that updates have been successful, for engineer confidence. The V3 software is available for FireCell Radio Hubs and Radio Cluster Communicators (RCCs). The Version 3 software is also supported by enhanced versions of the FireCell configuration tool and Fire Control Panel programme.

Comprehensive technical support, phone apps, video help files and training courses are available online. Visit www.emsgroup.co.uk or contact EMS Technical Support today on +44 (0) 1227 369570.

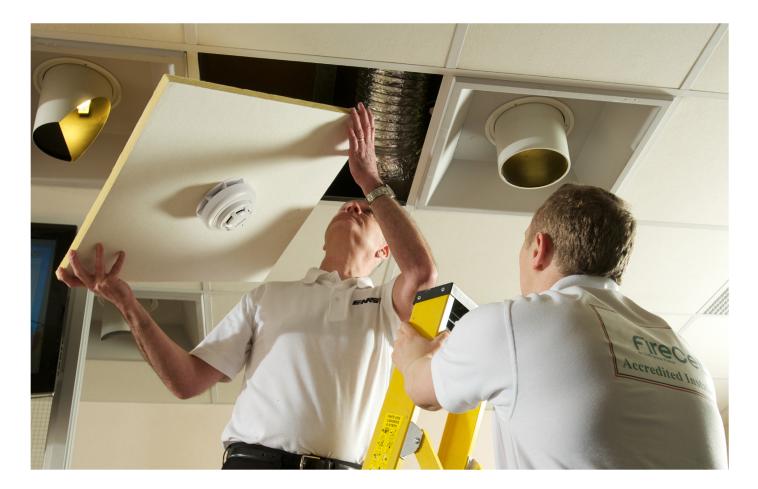


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New Enhanced Features

- Syncro and Syncro AS Control Panels in conjunction with updated configuration software, allow full programming capabilities of both wireless and wired devices. This enables a true Hybrid system to be easily programmed, delivering maximum configuration flexibility for your site.
- Enhanced commissioning process that automatically undertakes signal path checks for the installer in the event of any changes to the system configuration. Any incorrect/unwanted changes are immediately highlighted so rectification works can be swiftly implemented.
- A new menu option has been added to the Radio Hub, providing additional flexibility upon installation. The feature enables the engineer to fully programme the Radio Hub and RCCs without having to add any wireless devices. The devices can be added afterwards, once the integrity of the infrastructure has been proven.

- Maintenance engineers are provided with a new single point verification feature, providing the ability to effortlessly see all device statuses. The engineer can instantly identify if a fault exists, simplifying identification and resolution. See Figure 1
- Live status updates for all devices can now be performed from the Radio Diagnostics menu. This allows an additional integrity check, such that engineers are able to extract a summary of the entire systems status. This includes signal levels of all paths after commissioning, or after any changes have been made to a system. See Figure 2
- Signal strength details for all devices can now be saved to a ".csv" file for electronic filing. The ability to record signal strengths and maintain the information in the system logbook, is now greatly enhanced. See Figure 3



New Diagnostic Screen Shots

Single Point Verification; Device status tab showing full signal, fault and alarm information.

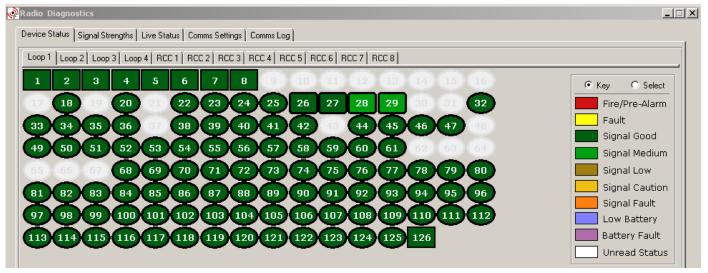


Figure 1

Live status update; green, yellow and red traffic light indication, for instant signal analysis.

io Diagnostics ice Status Signal Strengths Live Status Comms Settings Comms Log										
RCC	Device	Loop	Address	Ident	Device to RCC Ch.1 dBm	Device to RCC Ch.2 dBm	RCC to Device Ch.1 dBm	RCC to Device Ch.2 dBm	Software Version	Signal Status
0	Radio Hub	1	126	16FD5	-	-	-	-		-
1	RCC	1	1	0ED43	73	72	66	65	3.12	OK
1	Sounder	1	33	04BEA	45	45	38	39	1.8	OK
1	Sounder	1	35	0CFB5	45	45	41	40	2.04	OK
1	Sounder	1	38	09430	45	45	40	41	2.04	OK
1	Sounder	1	40	OCCCE	45	45	41	41	2.04	OK
1	Sounder	1	42	033D7	45	45	42	41	2.02	OK
1	Optical Smoke Detector	1	47	0D29E	45	45	39	40	2.04	OK
1	Optical Smoke Detector	1	50	0D2AA	45	45	39	39	2.04	OK
1	Optical Smoke Detector	1	51	0E82C	45	45	38	40	2.04	OK
1	Optical Smoke Detector	1	52	0D2A6	45	45	39	39	2.04	OK
1	Optical Smoke Detector	1	53	0D2AC	45	45	39	40	2.04	OK
1	Optical Smoke Detector	1	54	0E685	45	45	38	39	2.04	OK
1	Optical Smoke Detector	1	55	0D2AD	45	45	39	38	2.04	OK
	Optical Smoke Detector		56	1551B	45	45	40	39	2.04	OK
1	Callpoint	1_	57	0DFE4	45	45	38	39	2.04	OK
	Callpoint	1_	58	03321	45	45	38	39	2.02	OK
	Optical Smoke Detector	1	118	0319A	45	45	40	40	2.02	OK
	Optical Smoke Detector	1_	112	031F8	45	45	40	41	2.02	OK
2	RCC		2	0ED21	68	66	68	66	3.12	OK
2	Optical Smoke Combo	1	26-27	3E9BB	-		-	-	???	????
2	Optical Smoke Detector	1	25	0C11A		-	-	-	???	????
2	Callpoint	1	84	0EB0A	30	30	25	25	255.255	OK

Figure 2

Electronic Filing; Simple Site signal strengths extraction, recorded in 'csv' format.

	A	В	С	D	E	F	G	Н		J	K
1	Signal Strengths for	New Site	Taken on	20/08/2015 16:57							
2											
3	RCC	Device	Loop	Address	ldent	Device to RCC Ch.1 dBm	Device to RCC Ch.2 dBm	RCC to Device Ch.1 dBm	RCC to Device Ch.2 dBm	Global Stats dBm	Signal Statu
4	0	Radio Hub	1	126	16FD5	-	-	-	-	-	
5	1	RCC	1	1	0ED43	45	45	45	45	90	GOOD
6	1	Sounder	1	32	0339E	45	45	42	42	45	GOOD
7	1	Sounder	1	33	04BEA	45	45	39	39	45	GOOD
8	1	Sounder	1	34	0338F	45	45	42	42	45	GOOD
9	1	Sounder	1	35	0CFB5	45	45	42	42	45	GOOD
10	1	Sounder	1	36	033DD	45	45	39	42	45	GOOD
11	1	Sounder	1	38	09430	45	45	42	42	45	GOOD
12	1	Sounder	1	39	03385	45	45	42	42	45	GOOD
13	1	Sounder	1	40	OCCCE	45	45	42	42	45	GOOD
14	1	Sounder	1	41	0E031	45	45	42	42	45	GOOD
15	1	Sounder	1	42	033D7	45	45	42	42	45	GOOD
16	1	Sounder	1	44	0EB44	45	45	42	42	45	GOOD
17	1	Sounder	1	45	OE028	45	45	39	39	45	GOOD
18	1	Dptical Smoke Detector	1	46	0D2A7	45	45	39	39	45	GOOD
19	1	Optical Smoke Detector		47	0D29E	45	45	39	42	45	GOOD
20	1	Dptical Smoke Detector	1	49	05FD1	45	45	42	42	45	GOOD
21	1	Optical Smoke Detector	1	50	0D2AA	45	45	39	39	45	GOOD
21 22	1	Dptical Smoke Detector	1	51	0E82C	45	45	39	42	45	GOOD



FireCell

Five Reasons Why You Should Deploy Version 3 Software On Your Site...

1. Simplified signal level reading extraction for uncomplicated recording keeping.

2. Benefits to <u>ALL</u> FireCell Systems. The larger the system, the more time you will save!

3. New Single Point Verification feature eases inevitable access issues and time constraints.

4. New simplified device status checks, offer peace of mind at the click of a button.

5. EMS Technical Services are here to support your system upgrade, with supplementary training also available.

For more information or advice, contact EMS Technical Support on +44 (0) 1227 369570.