











## Simplicity Plus Fire Alarm Control Panel



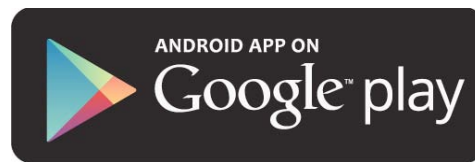
### Quick Start Guide

#### Manuals

As part of our drive to help the environment and reduce our carbon footprint, we are pushing a move to electronic manuals. All our panels will contain a simple QuickStart guide, which gives an overview of setting up the panel.

<p><b>Installation manual</b></p> <p>Can be downloaded to a Smartphone or tablet by scanning the QR code on the panel's serial number label</p> <div style="text-align: center;">  </div> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;"> <p><small>INSTALLATION MANUAL</small></p>  <p><small>SCAN TO DOWNLOAD</small></p> </td> <td style="text-align: center; border: none;"> <p><small>MODEL: SP-252/M PART NO: 37-177</small></p>  <p><small>SP/HOL-0001</small></p> </td> <td style="text-align: center; border: none;"> <p><small>USER MANUAL</small></p>  <p><small>SCAN TO DOWNLOAD</small></p> </td> </tr> <tr> <td style="border: none;"><small>SERIAL NO. 000008</small></td> <td style="border: none;"></td> <td style="border: none;"><small>01/08/2016 16:21</small></td> </tr> </table>	<p><small>INSTALLATION MANUAL</small></p>  <p><small>SCAN TO DOWNLOAD</small></p>	<p><small>MODEL: SP-252/M PART NO: 37-177</small></p>  <p><small>SP/HOL-0001</small></p>	<p><small>USER MANUAL</small></p>  <p><small>SCAN TO DOWNLOAD</small></p>	<small>SERIAL NO. 000008</small>		<small>01/08/2016 16:21</small>
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Suitable QR scanner apps are available for free in Apple's App Store, or on Android's Google Play



Alternatively, they can be downloaded from the support section of our website.

<http://www.zetaalarmssystems.com/support/manuals.html>

Your distributor will be happy to arrange a hard copy of the manual if required

## Introduction

This guide is designed to be used by competent persons who are familiar with the installation and setting up of fire alarm systems.

This guide covers the basic setup of the Simplicity Plus panel and devices which connect to the system (detectors, call points, modules and sounders).

One important thing to remember with the Simplicity system is that the devices address will dictate which zone it will be seen in (See below chart). The panel is available in 64 device (1 loop), 126 device (1 loop) or 252 device (2 loop) sizes

Simplicity 64 / 126				Simplicity 252			
Zone	Addresses	Zone	Addresses	Zone	Addresses	Zone	Addresses
1	1 to 16	2	17 to 32	1	Loop 1:1 - 32	2	Loop 1:33 - 64
3	33 to 48	4	49 to 64	3	Loop 1:65 - 96	4	Loop 1:96 - 126
5	65 to 80	6	81 to 96	5	Loop 2:1 - 32	6	Loop 2:33 - 64
7	96 to 112	8	113 to 126	7	Loop 2:65 - 96	8	Loop 2:96 - 126

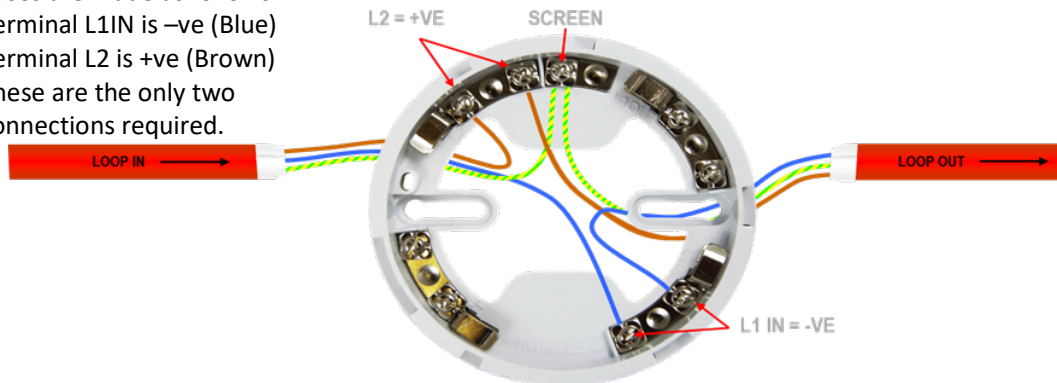
These are the default zone settings, but the boundary address can be altered to allow more devices in certain zones if required.

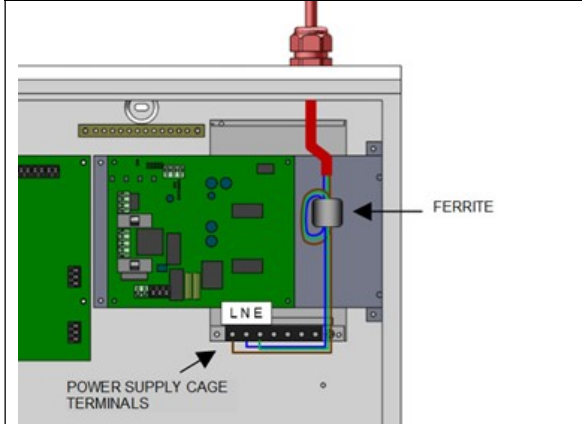
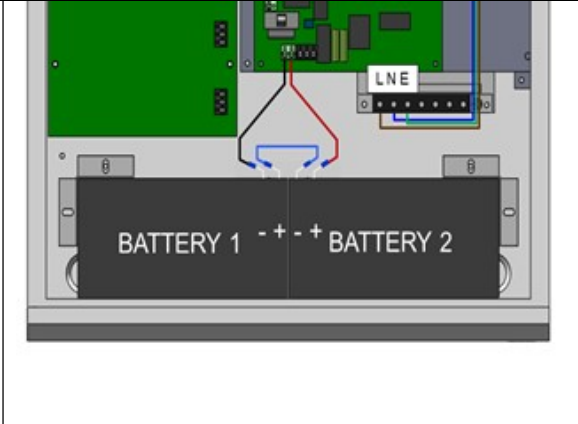
## Installation Steps.

1. The panel should be mounted to a firm surface and powered to check it sits without any issues
2. All cables must be checked to make sure there are no shorts or open circuits.
3. Address all the devices.

All products will come with their own wiring instructions. This should be used when connecting a product. But the wiring info for the most common item (Detector) is shown below.

The connection for the detectors bases are made as follows:  
Terminal L1IN is -ve (Blue)  
Terminal L2 is +ve (Brown)  
These are the only two connections required.



CONNECTING MAINS POWER	CONNECTING THE BATTERIES
	
<p>The panel should be connected to 220-240V AC by a 3A rated spur to the fuse box with 1mm<sup>2</sup> to 2.5mm<sup>2</sup> 3-core cable.</p> <p>Nothing else should be connected to this supply. The cable should be fire resistant.</p>	<p>Although there are many sizes of suitable battery, the sizes we usually recommend for the Simplicity are 12V 7Ah, or 12V 12 Ah for larger systems</p> <p>The two batteries are wired in series to give 24 Volts.</p>

Once all the installation has been checked for any cable faults, and all the devices have been addressed and fitted, connect the loop and turn the panel on.

### Configuring the panel.

The basic steps to configuring the panel are shown below:-

Step	Function	How to do
1	Set the device dip switches	Use the address table to set the device addresses
2	Go To Engineer Screen	Key switch to on. Press enter for user menu. Press next. Enter 369 for engineer code
3	Learn the devices onto the panel	Select 4 for configure Loop Wait until panel finishes
4	Enter Device labels (Optional)	Go to Engineer screen (see 2 above) Press 5 for edit device Use Prev/Next to select device to label. Press enter to bring up cursor Enter text using keypad. Press enter to save text Use Prev/Next to edit other devices as required

### Testing / Commissioning.

When testing the system for the first time it is recommended the following steps are taken.

1. Test each device to make sure it triggers the control panel in a fire condition, e.g. panel shows the correct information and also starts the sounders.
2. Test each device to make sure it triggers the control panel in a fault condition, e.g. detector removal, loop open circuit. Note that this can take up to 30 seconds to report.
3. When testing both fire and fault make sure the text label that has been entered is correct and matches the device you are testing. (If a text label has been entered).
4. Check the power supply triggers a fault when the mains power is disconnected and also when the batteries are removed.

## Addressing the System.

The Simplicity panel is per-zoned, so depending on the address you give the device will determine the zone it is in. The following chart shows the zone addresses.

ADDRESS	SWITCHES							ADDRESS	SWITCHES							ADDRESS	SWITCHES									
	1	2	3	4	5	6	7		1	2	3	4	5	6	7		1	2	3	4	5	6	7			
0	=	N	O	T	U	S	E	D	43	=	OFF	OFF	ON	OFF	ON	OFF	ON	86	=	ON	OFF	OFF	ON	OFF	ON	OFF
1	=	OFF	ON	ON	ON	ON	ON	ON	44	=	ON	ON	OFF	OFF	ON	OFF	ON	87	=	OFF	OFF	OFF	ON	OFF	ON	OFF
2	=	ON	OFF	ON	ON	ON	ON	ON	45	=	OFF	ON	OFF	OFF	ON	OFF	ON	88	=	ON	ON	ON	OFF	OFF	ON	OFF
3	=	OFF	OFF	ON	ON	ON	ON	ON	46	=	ON	OFF	OFF	OFF	ON	OFF	ON	89	=	OFF	ON	ON	OFF	OFF	ON	OFF
4	=	ON	ON	OFF	ON	ON	ON	ON	47	=	OFF	OFF	OFF	OFF	ON	OFF	ON	90	=	ON	OFF	ON	OFF	OFF	ON	OFF
5	=	OFF	ON	OFF	ON	ON	ON	ON	48	=	ON	ON	ON	ON	OFF	OFF	ON	91	=	OFF	OFF	ON	OFF	OFF	ON	OFF
6	=	ON	OFF	OFF	ON	ON	ON	ON	49	=	OFF	ON	ON	ON	OFF	OFF	ON	92	=	ON	ON	OFF	OFF	OFF	ON	OFF
7	=	OFF	OFF	OFF	ON	ON	ON	ON	50	=	ON	OFF	ON	ON	OFF	OFF	ON	93	=	OFF	ON	OFF	OFF	OFF	ON	OFF
8	=	ON	ON	ON	OFF	ON	ON	ON	51	=	OFF	OFF	ON	ON	OFF	OFF	ON	94	=	ON	OFF	OFF	OFF	OFF	ON	OFF
9	=	OFF	ON	ON	OFF	ON	ON	ON	52	=	ON	ON	OFF	ON	OFF	OFF	ON	95	=	OFF	OFF	OFF	OFF	OFF	ON	OFF
10	=	ON	OFF	ON	OFF	ON	ON	ON	53	=	OFF	ON	OFF	ON	OFF	OFF	ON	96	=	ON	ON	ON	ON	ON	OFF	OFF
11	=	OFF	OFF	ON	OFF	ON	ON	ON	54	=	ON	OFF	OFF	ON	OFF	OFF	ON	97	=	OFF	ON	ON	ON	ON	OFF	OFF
12	=	ON	ON	OFF	OFF	ON	ON	ON	55	=	OFF	OFF	OFF	ON	OFF	OFF	ON	98	=	ON	OFF	ON	ON	ON	OFF	OFF
13	=	OFF	ON	OFF	OFF	ON	ON	ON	56	=	ON	ON	ON	OFF	OFF	OFF	ON	99	=	OFF	OFF	ON	ON	ON	OFF	OFF
14	=	ON	OFF	OFF	OFF	ON	ON	ON	57	=	OFF	ON	ON	OFF	OFF	OFF	ON	100	=	ON	ON	OFF	ON	ON	OFF	OFF
15	=	OFF	OFF	OFF	OFF	ON	ON	ON	58	=	ON	OFF	ON	OFF	OFF	OFF	ON	101	=	OFF	ON	OFF	ON	ON	OFF	OFF
16	=	ON	ON	ON	ON	OFF	ON	ON	59	=	OFF	OFF	ON	OFF	OFF	OFF	ON	102	=	ON	OFF	OFF	ON	ON	OFF	OFF
17	=	OFF	ON	ON	ON	OFF	ON	ON	60	=	ON	ON	OFF	OFF	OFF	OFF	ON	103	=	OFF	OFF	OFF	ON	ON	OFF	OFF
18	=	ON	OFF	ON	ON	OFF	ON	ON	61	=	OFF	ON	OFF	OFF	OFF	OFF	ON	104	=	ON	ON	ON	OFF	ON	OFF	OFF
19	=	OFF	OFF	ON	ON	OFF	ON	ON	62	=	ON	OFF	OFF	OFF	OFF	OFF	ON	105	=	OFF	ON	ON	OFF	ON	OFF	OFF
20	=	ON	ON	OFF	ON	OFF	ON	ON	63	=	OFF	OFF	OFF	OFF	OFF	OFF	ON	106	=	ON	OFF	ON	OFF	ON	OFF	OFF
21	=	OFF	ON	OFF	ON	OFF	ON	ON	64	=	ON	ON	ON	ON	ON	ON	OFF	107	=	OFF	OFF	ON	OFF	ON	OFF	OFF
22	=	ON	OFF	OFF	ON	OFF	ON	ON	65	=	OFF	ON	ON	ON	ON	ON	OFF	108	=	ON	ON	OFF	OFF	ON	OFF	OFF
23	=	OFF	OFF	OFF	ON	OFF	ON	ON	66	=	ON	OFF	ON	ON	ON	ON	OFF	109	=	OFF	ON	OFF	OFF	ON	OFF	OFF
24	=	ON	ON	ON	OFF	OFF	ON	ON	67	=	OFF	OFF	ON	ON	ON	ON	OFF	110	=	ON	OFF	OFF	OFF	ON	OFF	OFF
25	=	OFF	ON	ON	OFF	OFF	ON	ON	68	=	ON	ON	OFF	ON	ON	ON	OFF	111	=	OFF	OFF	OFF	OFF	ON	OFF	OFF
26	=	ON	OFF	ON	OFF	OFF	ON	ON	69	=	OFF	ON	OFF	ON	ON	ON	OFF	112	=	ON	ON	ON	ON	OFF	OFF	OFF
27	=	OFF	OFF	ON	OFF	OFF	ON	ON	70	=	ON	OFF	OFF	ON	ON	ON	OFF	113	=	OFF	ON	ON	ON	OFF	OFF	OFF
28	=	ON	ON	OFF	OFF	OFF	ON	ON	71	=	OFF	OFF	OFF	ON	ON	ON	OFF	114	=	ON	OFF	ON	ON	OFF	OFF	OFF
29	=	OFF	ON	OFF	OFF	OFF	ON	ON	72	=	ON	ON	ON	OFF	ON	ON	OFF	115	=	OFF	OFF	ON	ON	OFF	OFF	OFF
30	=	ON	OFF	OFF	OFF	OFF	ON	ON	73	=	OFF	ON	ON	OFF	ON	ON	OFF	116	=	ON	ON	OFF	ON	OFF	OFF	OFF
31	=	OFF	OFF	OFF	OFF	OFF	ON	ON	74	=	ON	OFF	ON	OFF	ON	ON	OFF	117	=	OFF	ON	OFF	ON	OFF	OFF	OFF
32	=	ON	ON	ON	ON	ON	OFF	ON	75	=	OFF	OFF	ON	OFF	ON	ON	OFF	118	=	ON	OFF	OFF	ON	OFF	OFF	OFF
33	=	OFF	ON	ON	ON	ON	OFF	ON	76	=	ON	ON	OFF	OFF	ON	ON	OFF	119	=	OFF	OFF	OFF	ON	OFF	OFF	OFF
34	=	ON	OFF	ON	ON	ON	OFF	ON	77	=	OFF	ON	OFF	OFF	ON	ON	OFF	120	=	ON	ON	ON	OFF	OFF	OFF	OFF
35	=	OFF	OFF	ON	ON	ON	OFF	ON	78	=	ON	OFF	OFF	OFF	ON	ON	OFF	121	=	OFF	ON	ON	OFF	OFF	OFF	OFF
36	=	ON	ON	OFF	ON	ON	OFF	ON	79	=	OFF	OFF	OFF	OFF	ON	ON	OFF	122	=	ON	OFF	ON	OFF	OFF	OFF	OFF
37	=	OFF	ON	OFF	ON	ON	OFF	ON	80	=	ON	ON	ON	ON	OFF	ON	OFF	123	=	OFF	OFF	ON	OFF	OFF	OFF	OFF
38	=	ON	OFF	OFF	ON	ON	OFF	ON	81	=	OFF	ON	ON	ON	OFF	ON	OFF	124	=	ON	ON	OFF	OFF	OFF	OFF	OFF
39	=	OFF	OFF	OFF	ON	ON	OFF	ON	82	=	ON	OFF	ON	ON	OFF	ON	OFF	125	=	OFF	ON	OFF	OFF	OFF	OFF	OFF
40	=	ON	ON	ON	OFF	ON	OFF	ON	83	=	OFF	OFF	ON	ON	OFF	ON	OFF	126	=	N	O	T	U	S	E	D
41	=	OFF	ON	ON	OFF	ON	OFF	ON	84	=	ON	ON	OFF	ON	OFF	ON	OFF	127	=	N	O	T	U	S	E	D
42	=	ON	OFF	ON	OFF	ON	OFF	ON	85	=	OFF	ON	OFF	ON	OFF	ON	OFF									