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WES+

QUICK START GUIDE



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TECHNICAL INFORMATION



SETTING UP WES+

Installing WES+ on your site is easy. You will need to activate each unit and add the units to the group so that they can communicate with each other. This **MUST** be done with the tamper button on the back of each unit depressed, e.g. against a flat surface.

1 ACTIVATING UNITS

Hold down 'A' and press 'B' three times in quick succession.

All three LEDs will briefly illuminate and then the amber LED will flash.

2 CREATING A NEW SITE GROUP

Take two activated WES+ units.

Press and hold 'A' on both units. The amber LEDs will illuminate followed by the green LEDs to indicate that the units have been successfully paired and a site group created. **Release** the 'A' buttons.

If the red LED illuminates, pairing has failed. Deactivate the units (see Step 6 - Deactivating/removing units from a site group) and begin the process again.

3 ADDING UNITS TO AN EXISTING SITE GROUP

Take a WES+ unit which is part of the existing site group and an un-paired unit that has been activated.

Press and hold 'A' on both units until you see the amber LEDs and then the green LEDs light up to indicate successful pairing. **Release** the 'A' buttons.

If the red LED illuminates, the process has failed. Deactivate the units and begin the process again.



Do not open units. All WES+ units are supplied with power already connected. Opening units will invalidate the warranty and cause a tamper warning.

4

SECURELY FIXING THE UNITS IN PLACE

Each WES+ unit must be securely fixed in place to ensure correct operation, using M4 x 50mm pan head screws and wall plugs or other fixings appropriate to the surface.

Wherever possible, avoid positioning the unit directly adjacent to metal frames, metal surfaces or surfaces with a metal layer beneath, electric cables and similar equipment that may interfere with the signal strength.

Detector units must be ceiling mounted and for indoor use only.

Fire points must be securely fixed, with the antenna upright, to a robust vertical surface such as a wall or trolley.

Ensure the tamper button at the back of the unit is in proper contact with surface, otherwise the unit will report a tamper fault.




5

TESTING THE SYSTEM

After installation of the units, it is essential to perform a silent alarm test to confirm proper operation of the system.

Press and hold the 'B' button on any error free unit for more than 1 second to initiate a silent test – you'll see the amber LED illuminate for up to 30 seconds.

Walk the site and check each unit against the chart below to determine the result:

The test result is indicated as follows:		
Pass		Green LED solid illumination
Radio OK, other fault detected		Red LED flashes followed by Amber LED group flashes to indicate fault
No Radio Signal		Amber LED group flashes to indicate fault

Press and hold the 'B' button on any error free unit to end the test.

6

DEACTIVATING / REMOVING UNITS FROM A SITE GROUP

Remove the unit from wall/ceiling.

Hold down 'A' and then press **'B'** three times in quick succession. All three LEDs will briefly illuminate and then extinguish and remain off.

7

UNIT NUMBERING

Units are supplied with a default number of 001, but you can assign a unique identification number between 001 and 999 to help you pinpoint specific units.

Use the keypad to access the Settings menu. By default, your Base Station has been supplied with an access **code of 1234**.

Choose **'Unit Numbering'** from the Settings menu on the Base Station.

Select the number you wish to assign to a particular WES+ unit using the navigation pad.

Press and hold the **'A'** buttons on both the base station and the unit you are numbering.

The amber LEDs on both units will illuminate and then the green LEDs will flash to confirm successful renumbering.



NOTE: Units must be either freshly activated or already paired to a unit on the same site as the base station before renumbering. To number a unit from a different site, first deactivate and reactivate that unit to clear the initial site information.



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WES+ IN ACTION











Fire alarm


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TROUBLE SHOOTING

1 LED CODES

Description	Flash Type
Group Flash 1 - Low Battery	
Group Flash 2 - Low signal	
Group Flash 3 - Unpaired	
Group Flash 4 - Tamper	
Group Flash 5 - Re-arm or Unit latched (potentially input latched on Interface unit only)	

 **Green LED** Active units with no faults will flash their green LEDs once every 4 seconds to indicate that the unit is operational.

 **Amber LED** If the amber LED flashes in one of the grouped patterns shown right, that unit requires investigation and should not be relied upon as part of your alarm system until the fault is corrected.

Units displaying one of these patterns require further investigation and should not be relied upon as part of the evacuation alarm and detection system until the fault has been corrected. **Use the chart on page 9 to determine the nature of the issue.**

 **Red LED** If a detector triggers the alarm, its red LED indicator will flash during a fire alarm.

The Base Station will alert you to various system faults using the codes below:

Warning Codes	Warning	Description	Self-Clearing	SMS Setting
'BAT'	Low Battery	Unit NNN has a low battery	No	5
'DET'	Detector Tamper	Unit NNN has had detector head removed	Yes	3
'EXT'	External Tamper	Unit NNN has been removed from wall/ ceiling	Yes	4
'FLT'	Flat Battery	Unit NNN has turned off, its battery is flat	No	5
'INT'	Internal Tamper	Unit NNN has been opened and has been potentially been tampered with or damaged.	No	2
'LAT'	Latched	Call point button on unit NNN is still depressed after the alarm has been reset.	Yes	10
'REM'	Removed	Unit NNN has been deactivated and removed	No	9
'SIG'	Low Signal	Unit NNN has a low radio signal	Yes	6
'TST'	System Test	Unit NNN initiated a System test	Yes	7

UNIT SOUNDS

Sound Issue: Call Point unit periodically beeping after an alarm has been reset

Call point needs to be manually reset using the key provided.

Sound Issue: Base Station beeps frequently

System warning. If alarm has been raised, LCD screen will display 'ALARM ALARM ALARM' together with details of which unit has raised the alarm.

If another warning is given, check the warning code against the Base Station warning code table overleaf.

SILENCING THE ALARM

The fire alarm will automatically silence **30 minutes** after activation. The fire alarm can be manually cancelled from a call point that has been pressed using the reset key provided. If necessary, a call point on a nearer fire point can be pressed and then reset to cancel the alarm.

Please wait for **5 seconds** between pressing and resetting a call point. After the alarm has cleared the system has a short (2 minute) re-arm period during which the sirens will sound intermittently, and the amber warning LEDs flash in groups of 5, following which the system is re-armed and ready for use.

During the re-arm period, the alarm cannot be reactivated. It is therefore vital to confirm that there is no fire hazard before silencing the alarm.



Note: It is vital to confirm that there is no fire hazard before silencing the alarm. Do not attempt to open the unit or deactivate by removing the battery.

RESETTING THE CALL POINT

All call points which have been activated must be manually reset using the key. Any fire point units with activated call points will periodically beep after the re-arm period has ended as a reminder that the call points need to be mechanically reset using the key before they can be used to raise a fire alarm.



STEP 1 To reset an activated Call Point, insert reset key with tab to the right as shown below.

STEP 2 Push key in as far as possible

STEP 3 Turn key anti-clockwise until a loud mechanical click is heard. Remove key.



Ensure the call point is fully reset before removing the key. Partially resetting a latched call point after the fire alarm has been cancelled can re-trigger the fire alarm.



The WES range of products is manufactured by:

Ramtech Electronics Limited, Ramtech House, Nottingham, NG7 1TN, UK

Simplified EU Declaration of Conformity for the WES range of products:
Hereby, Ramtech Electronics Limited declares that the radio equipment type WES, are in compliance with Directive 2014/53/EU

Full text of the EU Declaration of Conformity is available by contacting us at ramtechglobal.com

WES units may be operated in these countries:

AUT	BEL	BGR	HRV	CYP	CHE	CZE	GRC	HUN	IRL
DEU	DNK	ESP	EST	FIN	FRA	GBR	ISL	ITA	LIE
LUX	LVA	MLT	NLD	NOR	POL	PRT	ROU	SVK	LTU
SVN	SWE	TUR							

For more information, refer to the full WES3 User Guide and Operation Manual.

To access, visit the VIP area at vip.ramtechglobal.com



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