RS800 Manual

WebWay

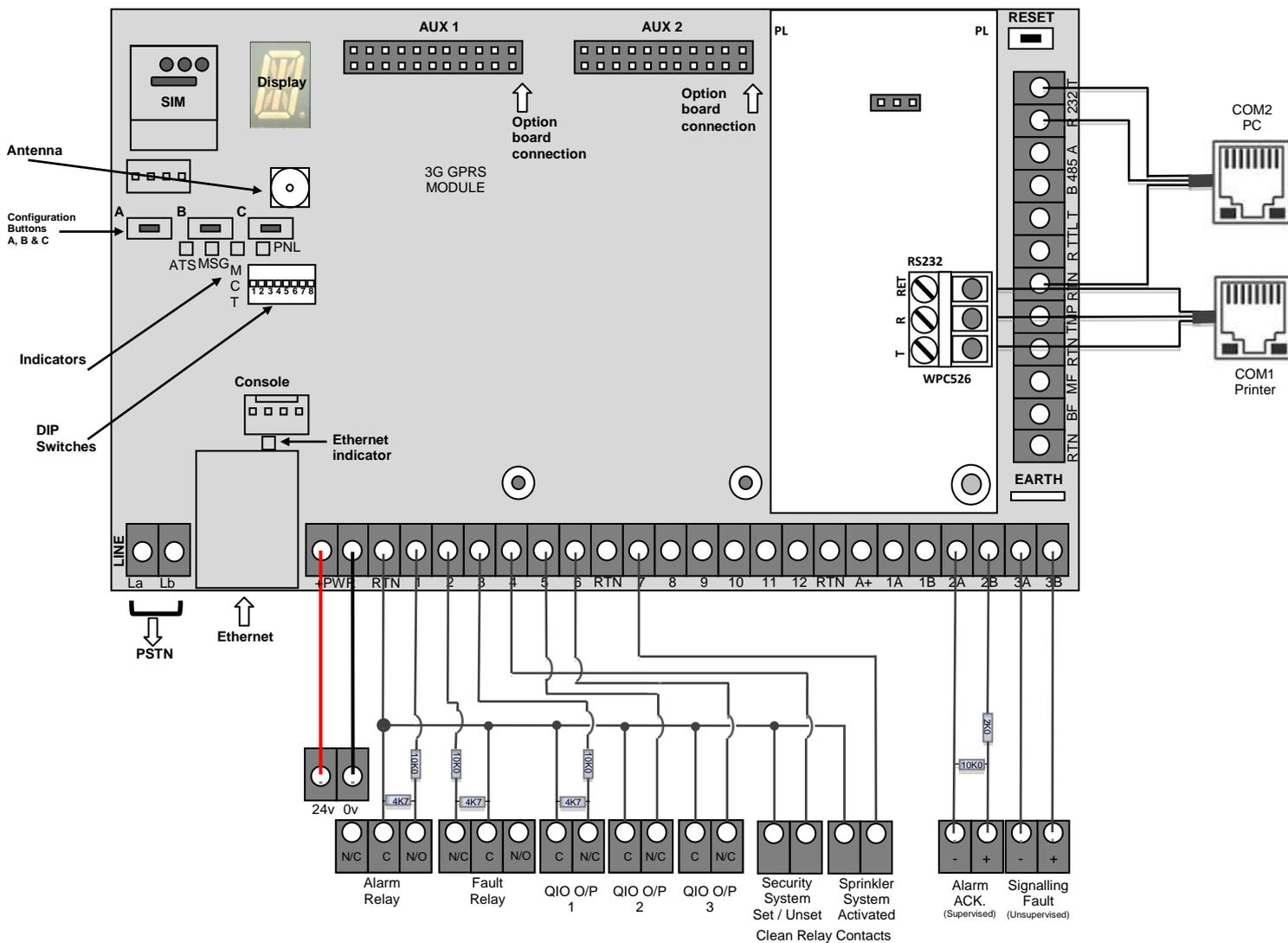## Installation process

For full RS800 user manual, which includes further information onsite surveying and testing the RS800, download from: http://www.webwayone.co.uk/Intranet/spt-integration

RS800 Mk 6 - MZX Fire Set-up

RS232 Module must be mounted on Aux 3 header

How to use the buttons

Use button A or B to scroll through menu's to select numbers or letters when in entry mode.

Use button C when a menu is selected to start entering data. Use button C again to finish data entry.

STEP	SELECTING A MENU AND ENTERING DATA	
	HOW TO SELECT A MENU	**WHAT YOU SEE**
1	Tapping A will scroll the menu backwards.	… D,C,B,A,9, 8,7,6 …
2	Tapping B will scroll the menu forwards.	… 7,8,9,A, B,C,D …
	HOW TO ENTER DATA	**WHAT YOU SEE**
3	Hold down C button when your preferred menu is displayed to select that menu.	The name of the menu scrolls in the display followed by underscore "_".
4	Tap either A or B to scroll to the menu.	e.g. "… D,C,B,A,9, 8,7,6 …"
5	Tap C to select and save the value you want.	Display returns to "_" for next value selection.
Repeat from Step 1 to select and enter all your data.		
	HOW TO FINISH DATA ENTRY	**WHAT YOU SEE**
6	Tap C twice	Display shows rotating dashes as your data is saved and return to the menu number.
You can check your data entry by tapping C again. Your saved data will scroll through the display.		

For Cellular Connection

Fit supplied antenna.

Tips:
- Do not affix the aerial until you have confirmed radio path operation.
- Do not coil the aerial cable tightly.
- Take care not to crush the antenna cable with clips or tie wraps.
- Do not put the aerial inside the panel enclosure.
- Do not extend or shorten the cable yourself.
- Avoid installation near
    - electrical conduits.
    - devices which may cause interference such as electrical/radio/wireless
- Installations below ground will require a High Gain antenna or re-positioning of the RS800.

For IP Connection

Connect supplied Ethernet cable to WebWay and customer equipment.

If the site is configured to use DHCP your RS800 will be automatically given an IP address by the network.

If the site requires a fixed IP address we have either configured this for you before shipment, or you can enter it manually.

For PSTN Connection

- Check that the PSTN line is presenting 50VDC.
- Check that the PSTN line is presenting a dial tone.
- Call your mobile to identify that CLI is not withheld. (You will see the telephone number of the line presented).
- Connect the two wire PSTN cores to La and Lb.
- Locate La (Line a) and Lb (Line b)

Auto Take On
The RS800 is designed to automatically configure itself (Auto Take On) once the Site ID / Chip Pin is entered.

Enter Site ID / Chip PIN

- Enter the Site ID from your ARC using the buttons.
    - Scroll to menu D.
    - Press and hold button C until "_" is on the display to go to entry mode.
    - Enter your Site ID using A and B to select each digit, pressing button C each time to save.
    - After the final digit is saved press button C again.
    - A moving circle is displayed temporarily.
    - The display returns to menu D.
- Check the Site ID
    - Press button C.
    - Scroll to Menu D.
    - Your Site ID will be played on the display.

- Press the Reset button.

Interpretation of Display

When a cellular connection is used these messages are displayed on reboot

RS800 will scroll through theses messages in order until "All OK" or will stop and continue to scroll the message related to that status.	
Firmware version	The software version running on the RS800.
"-"	Simply separates the firmware version readout from the radio readout.
SIM not ready	The SIM is initialising.
0 to A or "no GSM"	The SIM has initialised. GSM signal strength is read as between 0 and A (representing a 10). "no GSM" indicates the device is not yet registered for GSM.
0 to A or "no GPRS"	The RS800 has scanned the radio networks and will indicate whether it sees radio data services from the local cells. GPRS signal strength is read as between 0 and A (representing a 10). no GPRS indicates the device is not yet registered for radio data (3G/EDGE/GPRS).
0 to A 3G	E.g. Displays "4 3G" when the RS800 is operating on 3G signal of 4. 3G signal strength is read as between 0 and A (representing a 10). no 3G indicates there are no 3G services locally.
0 to A 2G	E.g. Displays "4 2G" when the RS800 is operating on 2G (EDGE/GPRS) signal of 4. 2G signal strength is read as between 0 and A (representing a 10). no 2G indicates there are no 2G services locally.
"2G All OK" or "3G All OK"	RS800 is fully commissioned and signalling on all available paths. If showing "2G All OK" the device does not have local 3G services at this time. Displays after 30 minutes of no other inputs to the display.

When a dual IP / PSTN connection is used

no eth	As the SPT boots it will detect whether Ethernet is connected.
negot	SPT detects the LAN and negotiates its connection with the router.
no router	If router Ping is enabled and the router does not respond this message will display. Once the router responds (soon after the SPT boots) this message will disappear.
When the SPT has negotiated with the LAN/router it will display the speed of connection. "t" stands for 10. "h" stands for 100. A "." indicates full duplex.	
t	10BaseT half duplex LAN
t.	10BaseT full duplex LAN
h	100BaseT half duplex LAN
h.	100BaseT full duplex LAN

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Interpretation of LEDs

LEGEND	DESCRIPTION	OPERATION
ATS	Alarm Transmission System Indicates the status of the transmission interface (local) and path (end to end). Single path SPTs have 2 ATPs so the ATS LED will flash twice to show good operation. Dual path SPTs have 4 ATPs so the ATS LED will flash four times to show good operation.	Green Good ATP (Alarm Transmission Path). Red No communication on this ATP.
MSG	Message Status Indicates the progress of a transmitted message to the ARC.	Off No message in SPT and non in SPT queue. Green Message has been sent by the SPT, but not acknowledged. Red Message is queued in the SPT and has not been sent.
MCT	Monitoring Centre Transceiver Indicates whether an SPT is registered on the WebWay receivers.	Flashing green Registered on the WebWay receivers. Alternating red and green Awaiting registration on the WebWay receivers. Red Registration has failed.
PNL	Alarm Panel Connection Indicates the connectivity status between the SPT and the alarm panel data bus.	Alternate red and green SPT is correctly connected to the alarm panel. The red indicates good transmit from the panel to the SPT. The green indicates good transmit from the SPT to the panel. Solid red There is no connection between the SPT and the panel, or the wiring is incorrect.
ETH	Ethernet status Indicates the connectivity status and speed of the LAN. Has a "Top" and "Bottom" section, defined by the orientation of the board as in the Quick Start Guides.	- Top section identifies the speed of the LAN - Top section off indicates 10BaseT LAN. - Top section flashing indicates 100BaseT LAN. - Bottom section indicates whether the SPT is active on the LAN.
FPC	Indicates data exchange on the EXT terminal. EXT interface is for future expansion.	- Mini Platform, top LED. - No LED on the Pro platform.

Transmission Path Status

MENU	MESSAGE	DESCRIPTION	DETAILS
		Tap A or B to scroll the menu and hold down C to select menu item.	
N	Pri-Fail=	Fails the primary transmission path. (Times out after 15 minutes if not manually cleared)	Replaces DIP Switch 1
O	Sec-Fail=	Fails the secondary transmission path. (Times out after 15 minutes if not manually cleared)	Replaces DIP Switch 2
P	Pri-Status=	Reads out status of primary interface.	NA
Q	Sec-Status=	Reads out status of secondary interface.	NA
S	Paths-Test=	Sends signals over all paths for testing.	NA

Certification Marking

CE
0560
WebWayOne Ltd
RG14 5SJ
15
0560-CPR-142190003

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EN54-21:2006
WebWay SPT
Install guide - 12003

WebWayOne Ltd
SPT
EN50136-2
EN50136-10
ATS SP1-SP5
ATS DP1-DP4
Security Grade 1,2,3 & 4
Environmental Class II

C A

INCERT
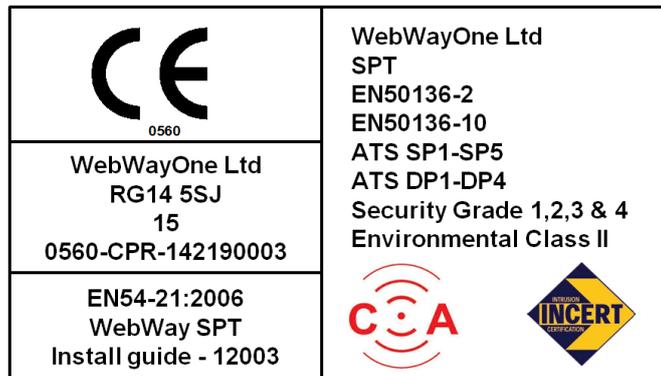
For further information on compliance see our full Mk6 manual.
http://www.webwayone.co.uk/Intranet/spt-integration

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