

Yaesu VR-120D Communications Receiver

Operation for conducting signal strength surveys

For ease of operation, the Yaesu VR-120D supplied has been pre-programmed to the same frequency as your Pagetek Pro system.

Remove the rear battery cover and fit the 2 AA batteries supplied.

Press & hold the orange on/off (PWR) button for 2s to switch the VR-120D on.

After initialising, the frequency will be displayed, e.g. 459050.

Set the volume (VOL) knob to midway, then adjust the lower control of the same knob (squelch) fully anticlockwise and then clockwise until the noise is silenced.

The unit is now ready for your site test.

Enable permanent TX carrier on the Pagetek Pro by fitting the supplied shorting link to CN1 as indicated on the diagram overleaf. Because this is not a normal operating condition, after a few seconds the Pagetek Pro will announce a "TRANSMIT FAULT". This will also operate the Common Fault relay output which is normally connected to the host Fire Panel. It is therefore advisable to disconnect this output (blue and grey wires on the Link cable, see Pagetek Pro Installation manual) before commencing the test.

To cover the whole of your site, the signal strength bar graph that runs horizontally across the bottom of the display should ideally show 5 segments or above. It is advisable to also carry a pager with the In Service capcode enabled for additional confirmation (see Installation Manual, section 5, f).

It should be noted that many factors can affect the signal strength reading, such as height of the antenna, antenna orientation, proximity to metallic objects etc. In all cases, the scanner should be held at arms length with the antenna in a vertical position.

NOTE! Remember to remove the shorting link from CN1 on the Pagetek Pro TX board and reconnect the Common Fault output after completing your survey.

To prevent accidental reprogramming, the other functions on the VR-120D are locked. For further details on the operation of the VR-120D, please consult the user manual supplied.

For further advice, please contact our technical sales team on 01803 860720.

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