Uniden 436PT condensed Instruction's

SOUTH EASTERN
COMMUNICATIONS

www.secomms.com.au

Get Started !

Please read this Instruction Sheet first, to better understand your scanners capabilities.
To get you started fast your scanner has been pre-programmed with a set of District scan lists.
After connecting the antenna and setting the clock, you should select your District number and press Enter (the 'E yes' key). For example for District 2 just press '2' and 'E'. Now you are scanning!

Its As easy as that !

The lists provided should be sufficient for all typical users, and contain all the District Dispatch sites (for both Digital and Analog Districts) and your 5 primary Fire ground channels.

If your requirement is to listen to these local Dispatch and the Fire ground channels, . you need read no further! Enjoy your scanner.

But Wait Theres More !

But there is more! ,There are Enhanced capabilities of the Scanner

In addition to Dispatch and fire ground channels, the District scan lists have all CFA and DELWP IMC channels and the future RMR Command & Control Talk groups.

Also, the AM and UHF CB channels have been provided and may be selected by choosing short cut 98 and 99 respectively.

The additional District channels however, are not automatically scanned. They have · been set to avoid to ensure scanning performance is fast and effective for typical users. The additional channels can be set to scan by individually 'un avoiding' them when necessary. This can be done either using the Sentinel PC software provided, or through the keyboard. Please refer to the Uniden Owner's manual for instructions on the Sentinel software.

Enabling additional channels to scan You can choose to scan more channels in 3 ways

Select an additional District by pressing its number and Enter ('E yes' or the Top knob) Similarly, choose AM or UHF CB using their shortcut number 98 and 99 : Enable an IMC or other District channel by 'un avoiding' through the menu You can also add custom channels or lists through the keyboard or with the Sentinel software.

To stop scanning a list you have selected, press the list number and Enter again

Terminology

Terminology The terminology of Frequencies, Channels, Sites and Talk groups can be confusing and they are not all the same. Because the scanner's software handles editing differently depending on the channel type, **a basic understanding of the terminology is necessary before you customise.**

Frequency – The exact frequency in MHz of a channel to scan. You will only need this for advanced customisation which is beyond the scope of this description.

Channel - A general term for one radio service covering all types of services, not a very precise term.

Site – In a Trunk system **(like the RMR/RRDS Dispatch system)** this is a specific radio transmitter/receiver, often on a hilltop or town center. It has a specific set of frequencies that it uses and can be flexibly used in the Trunk System.

Talk group - Is an access number given to a group of one or more Sites in a Trunk System.

Which Channels to Avoid? . If you are using your scanner in a **fixed location (eg at home)** you **don't need to be scanning** all Dispatch sites in the District, just the one closest to your home would be enough. **This is because all District Dispatch sites transmit the same messages,** and the standard list includes them all. Therefore the first candidates to 'avoid' in your scan list will be all the Dispatch sites other than the one closest to your home.

There are a few ways to work out which Site may be best for you. Firstly you may already know from local Brigade activities which site name appears on your CFA radio when you talk to Vic Fire.

Also you can scroll through the Site list for your District in the scanner **(Menu-Manage Favorites-District xx-Review/Edit System-Dxx Trunk-Edit Site)** and **choose** the one that seems closest to you. It may be a town center site, or well known hill top. **Local knowledge** will be valuable for this choice. **It is not possible for Comms Operators to advise members of their best local site as the possibilities due to local terrain are almost endless.**

Of course if you use your scanner mobile around the District, you may need to leave several Dispatch Trunk sites in the list and **only set 'avoid' on the ones your usual route will not encounter.**

Note – The menu key is on the side of the scanner. Selecting a menu item is done by pressing the 'E yes' key or by pushing down the knob on top of the scanner. Scrolling between menu items is done by rotating the scroll knob on top.

Types Of Channels

Types of Channels and Editing CFA channels are either Conventional or Trunk type channels. The Uniden scanner stores separate 'System' lists for each of these types within the District list. RRDS Dispatch channels and the future RMR Command and Control channels are Trunk type channels, and all other CFA and DELWP channels (including Dispatch in Districts 7, 8, 13, & 14) are Conventional channels.

The procedure for 'avoiding' and 'un avoiding' Trunk and Conventional channels through the scanner keypad is given at the end of this document. Alternatively the Sentinel PC software may be used.

Practical limitations of scanning Scanning multiple Districts and adding channels to lists has its drawbacks.

Scanning channels is not instantaneous, and a longer channel list takes a longer time to scan. As the scanner pauses and listens for traffic on one channel, it cannot hear messages on another channel. CFA tests have shown that a list of 20 to 30 channels will give good performance and this is the length District lists have been set to 'out of the box'.
If you scan two or more lists (District or CB) or 'unavoid' multiple channels, the scan will slow down, and you may start to miss short messages.

To manage the list length and retain fast scanning you should remove unnecessary channels and sites by customising the District list…………

Alternatively, you can accept that sometimes short messages will be missed, and stop scanning additional channels only when you need to speed up performance

Customising the Scan List's

Customising your scan lists Out of the box there is a set of District scan lists which will monitor all the Dispatch sites and the 5 primary Fireground channels in each District. The lists also contain all CFA and DELWP IMC channels and the future RMR-CC channels. These extra channels are set to 'Avoid' so as not to slow down scanning.

To activate one of these channels you need to 'Un avoid them using the procedure at the end of this document.

To stop scanning one of the standard channels or sites you need to 'Permanently Avoid' that channel. Note '**Permanently' only means the setting is not lost when you turn the scanner on and off, it is not lost forever.**

If you are going to heavily customise your list this is best done with the Sentinel PC application.

Avoiding a Conventional Channel

Avoiding a Conventional Channel

For setting a currently scanned IMC or other conventional channel to not scan. . You can press the keypad button '**Avoid when your scanner stops on a channel you want to avoid (press twice to 'permanently' avoid),** otherwise, **To edit channel avoids immediately**: **1.** Press the Menu key and Select 'Manage Favorites' **2.** Scroll to the District number and Select **3.** Select 'Review/Edit System' **4.** Scroll to the System (your District's Conventional e.g. 'D12 Conv') and Select **5.** Scroll to and Select 'Edit Department' **6.** Scroll to 'CFA VHF and Select **7.** Scroll to 'Edit Channel and Select **8**. Scroll to the channel number you want to 'avoid' or 'unavoid' and Select **9**. Scroll to 'Set Avoid' and Select **10.** Scroll to the option you require (Temporary or permanent Avoid or unavoid) – **use Permanent to retain the avoid setting through On/Off power cycles** - and Select 11. Press Menu to return to 'Select Channel' **12.** Repeat steps 8 through 11 until all channels to be edited have been completed. **13.** Press Menu repeatedly until scanning begins again

Example navigation of Scanner menu for 'Avoiding': Conventional type channels (e.g. Avoid channel DO2A 1/251)

1• Menu > Manage Favorites

2• Select Favorites > District xx

District 02 > Review/Edit System Select System > DO2 Conv, DQ2 Trunk

DO2 Conv> Edit Department

3• Select Department > CFA VHF

4• CFA VHF > Edit Channel

Select Channel > 30+ conventional channel names

DO2A 1/251 > Set Avoid

5• Set Avoid > Stop avoiding, Temp Avoid, Permanent Avoid

Trunk type Channels (e.g. Avoid Site Bendigo RT)

6• Menu > Manage Favorites

7• Select Favorites > District xx

District 02 > Review/Edit System Select System > D02 Conv, D02 Trunk

DO2 Trunk > Edit Site

8• Select Site » 20+ sites ..

9• Bendigo RT > Set Avoid

Set Avoid > Stop avoiding, Temp Avoid, Permanent Avoid

Un avoiding a Conventional Channel For setting an IMC or other currently not scanning conventional channel to scan.

Un avoiding a Conventional Channel For setting an IMC or other currently not scanning conventional channel to scan.

1. Press the Menu key and Select Manage Favorites' **2.** Scroll to the District number and Select **3.** Select 'Review Avoids' **4.** By rotating the top knob you will scroll through all the currently 'avoided channels in

your District. ----- - **5.** Press Enter to immediately select a channel to 'un avoid **6.** Press Menu repeatedly until scanning begins again

Avoiding and Un avoiding a Trunk Site For setting a Dispatch site in the RMR trunk network (RRDS) to not scan.

1. Press the Menu key and Select Manage Favorites'

2. Scroll to the District number and Select **3.** Select 'Review/Edit System' **4.** Scroll to the System (your District's Trunk system e.g. 'D12 Trunk") and Select **5.** Scroll to and Select 'Edit Site' **6.** Scroll to the site you want to 'avoid' and Select **7.** Scroll to 'Set Avoid' and Select **8.** Scroll to the option you require **(Temporary or permanent Avoid or Un avoid) - use**

Permanent to retain the avoid setting through On/Off power cycles - and Select **9.** Press Menu to return to Select Site'

10. Repeat steps 6 through 9 until all sites to be avoided have been completed. **11.** Press Menu repeatedly until scanning begins again

7

Other Notes To Consider

Practical limitations of scanning Scanning multiple Districts and adding channels to lists has its drawbacks. Scanning channels is not instantaneous, and a longer channel list takes a longer time to scan. As the scanner pauses and listens for traffic on one channel, it cannot hear messages on another channel. **CFA tests have shown that a list of 20 to 30 channels will give good performance and this is the length District lists have been set to 'out of the box'. If you scan two or more lists (District or CB) or 'unavoid' multiple channels, the scan will slow down, and you may start to miss short messages.**

To manage the list length and retain fast scanning you should remove unnecessary channels and sites by customising the District list.. Alternatively, you can accept that sometimes short messages will be missed, and stop scanning additional channels only when you need to speed up performance.

If your scanner goes quiet or not stops receiving please consider a firmware upgrade may be necessary

Credits

This document has been provided in a quick and condensed format to enable quick reference to the main points of interest

This Document has been created using multiple sources some the original condensed instruction Provided with the Radio Roll out
some has been taken from the manual some has been taken from personal experience

Thanks To the CFA manual
Thanks to the Uniden Manual

For any further info or scanner needs please contact sales@secomms.com.au