ARC Patrol for Uniden HP-1

User Manual

Version 1.01 build 2

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ARC PATROL MANUAL 1

Contents:

1 Introduction and quick start reference

- 1.1 Software Installation
- 1.2 Enter registration information
- 1.3 Connecting the scanner to your PC
- 2: Using the memory channel editor:
 - 2.1 General editor options
 - 2.2 Edit multiple cells
 - 2.3 Using the FILL option
 - 2.4 Using the FILL SERIES option for ALPHA tag columns
 - 2.5 Using the clipboard
 - 2.6 Keyboard shortcuts
 - 2.7 EasyFill
 - 2.8 Using Paste Frequencies for importing frequencies of the internet
 - 2.9 Import/Export data
 - 2.10 Import CSV files
 - 2.11 Checking for software updates
 - 2.12 Sorting Data
 - 2.13 Find/Remove Duplicates
 - 2.14 Read data from Scanner
 - 2.15 Send data to Scanner
 - 2.16 How to scan the new favorite list

3 RadioReference Database import

- 3.1 Conventional Import
- 3.2 Trunk Systems

4. Searching for GPS Latitude and Longitude

- 4.1 US street address
- 4.2 US postal zip code
- 4.3 County Centre
- 4.4 Point Of Interest or Area of Interest
- 4.5 3 letter Airport code
- 4.6 Find a US Zip code
- 5 General information and troubleshooting
 - 5.1 Revision history 5.2 Troubleshooting

ARC PATROL Q & A :

ARC PATROL is programming software and makes it very easy to add and manage favorite lists in your Uniden Homepatrol HP-1

Q. Is ARC PATROL a replacement for the Sentinel software?

A. No, Sentinel is used to update the database and firmware. ARC PATROL is used to build and manage your own favorite lists.

Q. Can I export data from ARC PATROL into other ARC file formats?

A. No, due to license restrictions we can not export to any other format then the native HP1 .hpd format

- Q. Can I import ARC files?
- A. Yes, you can import ARC3xx/ARC9xx/ARC XT series files.
- Q. Can I backup my HP1 favorites with ARC-Patrol?

A. Yes, click the Backup button to create backups of favorites stored in the HP1.

Q. Is your software licensed by Uniden?

A. Yes. ARC PATROL contains Uniden proprietary and/or copyrighted information. Used under license.

Q. There is no comport setting in ARC PATROL?

A. Correct, all communication is done using the USB lead supplied with the HP-1. ARC PATROL will automatically detect the HP-1.

Q. Can I use my existing RadioReference subscription to import data?

A. Yes, just like any other ARC program you can import data using the Webservice and import and create your own conventional and trunk systems.

Q. When I select a new Favorite List that I uploaded the HP-1 asks me if I want to use location control, what do I select?

A. Select 'NO', at this moment ARC-PATROL does not support geo tagging.

Q. Can I edit the built-in HP-1 database?

A. Yes you could do that with ARC-PATROL but we advise to use favorite lists instead since the built in database is synchronized by Sentinel and during synchronization any custom changes you made will be lost.

Q. I created a simple conventional favorite list but it is not scanning?

A. Make sure that you enabled the correct 'Service' types. Before you can scan frequencies you must assign them to a service type and make sure the service type is enabled.

Q. Can I change the order of Favorite lists?

A. Yes, select Scanner HP1 _ Edit Favorites Configuration. Now you can move lists, sort and rename them.

Q. I Want to search a range of frequencies, how can I do that?

A. In ARC PATROL select Options _ Easy Fill. Now enter a start frequency and a step and ARC PATROL will fill a system with frequencies similar to a search in other scanners.

Q. How do I find latitude and longitude information?

A. ARC Patrol can assist you, select Tools $_$ GPS Location Search and enter an address or zip code.

<u>1: INTRODUCTION:</u>

ARC PATROL is a Windows software package for programming favorite lists in your Uniden HomePatrol HP-1.

System requirements:

- Windows XP/Win2000/Vista/7
- Minimum display resolution settings: VGA 1280x800
- Small Fonts
- Uniden HP-1

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ARC Quick Start Reference:

- Install the software (1.1)
- Enter the registration information (1.2)
- Connect the scanner to the PC (1.3)
- Software is now ready for use

IMPORTANT: YOU MUST ENTER A VALID REGISTRATION CODE TO MAKE FULL USE OF THE SOFTWARE. THE REGISTRATION CODE IS SEND TO YOU BY E-MAIL (IF YOU PURCHASED ONLINE) OR CAN BE FOUND IN THE CD BOX. DO NOT LOSE THIS INFORMATION; YOU NEED IT FOR FREE UPDATES!

1.1 Software installation:

The ARC PATROL software is available as Internet download or on CD-ROM.

Win2000/XP/Vista/7 users: You must be logged on as administrator to install and use ARC PATROL.

Internet download:

The downloaded file contains all the necessary files for installation. Run the setup.exe file and the installer will automatically start. If you previously installed the software the installer will automatically update the older version. You do not need to uninstall any previous versions.

CD ROM:

Insert the CDROM; the CDROM has an auto start option that will automatically start the installation process. If the installation process does not start, simply run setup.exe

During the installation process you can set the installation directory. We suggest using the default directory. You cannot install the software on a network drive.

Software un installation:

ARC PATROL will automatically add an uninstall option. Use the Windows Control Panel for uninstalling the software. Backup your work before using the uninstall option.

1.2 Registration:

After installation of the software, the program runs in DEMO mode. You must enter a valid registration code to activate the software. The demo is functional but will only work for 7 days after installation.

Internet download: customers that purchased using the Internet download option, received a registration code by e-mail. It is VERY IMPORTANT that you store the registration code in a safe place. If you loose the registration information you must buy a new registration code.

CDROM: in the jewel case of the CDROM you find the registration information. Store the case of the CDROM in a safe place.

Enter registration:

Start the software by selecting START _ PROGRAMS _ BUTEL _ ARC PATROL _ ARC PATROL Software. After the start screen, select HELP _ REGISTER in the menu.

Enter the key1 and key2 information: the name is case sensitive! No spaces are allowed. After entering the registration you must restart the software to enable the upload option.

1.3 Connect your HP-1:

Use the USB connection cable supplied with the HP-1to connect the HP-1 to your PC.



ARC PATROL will automatically detect your HP-1.

2: Using the memory channel editor:

ARC PATROL includes the most versatile memory editor available on the market.

This section describes most options available in the memory editor; in order to use the full power of the editor it is important that you read this section carefully. The editor does not require that a scanner is connected.

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- FRE	2	154.4300	Secda / Cad	Off	PM	CTCSS	131.8	Pine-Tac
2 Tra	3	153.9800	Tatica	off	FM	CTCSS	131.8	Fire-Tac
Usermore and Sanda Nati	+	154,3550	Tacica / Adiai	on	FM	CTCSS	131.8	Fire-Tac
Pacific Gas & Electric	5	153,8300	Tacica / Nificai	Off	PM	CTCSS	131.8	Pine-Tac
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- Polce	7				_		_	
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The memory editor has a clear layout:

The top section has a standard Windows menu bar and a toolbar. Most options found in the menu also have a 'shortcut' in the toolbar. If the mouse is moved over a toolbar button a help text is shown giving a brief description of that button.

Below the grid a dynamic help text is shown. This help text shows information about the selected item, it also shows any shortcuts that can be used.

On the left there is a tree for easy browsing the software. The tree has shortcuts to all the important section of the software.

ARC PATROL MANUAL 9

2.1 General editor options:

You can edit data in the grid by typing in data. For example to enter a frequency click on the frequency column and type in the frequency. The software will automatically select edit mode when you type a character. Edit mode is shown by a yellow or blue background of the selected field.

You can also use function button F2 or a double click to enable edit mode.

If the data in a field is limited to 2 or more 'fixed' selections the software will automatically show a dropdown list to select the data. Most columns also support keyboard shortcuts, for example 1 = On, 0 = Off, F = flash etc. The help text dynamically shows the shortcuts. You will also see shortcuts to the available selections above the grid.

To correct a mistake use the Escape button, this will restore the previous data.

To store changes use the ENTER or TAB button. Arrows are used to navigate in the grid.

2.2 Edit multiple cells:

You can very easily modify or edit data in multiple cells:

Example setting Skip to On for selected range:

1. select the range:



2: press 'S' on the PC keyboard, selected range will be filled with 'Skip':

Open Save Out Copy	Pacte	tune Cop	yLine Pas	teLine	Delete	Fil	0	a neck	Down
rowser ×	C: 0-9	99 C: 100-	199 C: 2	00-29	C: 30	0-399 0	: 400	-490	C:
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Search Editor	6	-		-		-	30		-
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Preview Alpha Banks:	14			_			<u> </u>		
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D:BANK D	10		-				-		-
	17	-							

ARC PATROL MANUAL 11

2.3 Using the FILL option:

Another powerful option is the FILL option. Fill will copy the data from the first selected row to the remaining selected rows:

1. Program data in one row:



2. Highlight the range:

Dues Dave Cat Caty	Parte a	The Ca	A.Re Par	BUT .	Desete	1.1	0	di lea	Dow
rowser •	C: 0-9	C: 100	199 Ci 2	00-29	0 (C: 30	0-399 0	: 400	-400	C)
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3. Press the 'FILL' in the Toolbar:

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😸 C: 600-699	- 2			601	10	1.0	-		- 1
👾 C: 700-799	1			444	5.0	1.0			
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C: 900-999	1			441	5.0	1.0			
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e2				9	lect meaning	e mode, ye	u can	use those	toute, h

2.4.1 Using the FILL SERIES option for ALPHA tag columns:

Another powerful option is the FILL SERIES option. Fill series will copy the data from the first selected Alpha tag row to the remaining selected rows and automatically increase the number:

1. Program data in one row:



2. Highlight the range:

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Open Save Cut Casy Perite	e Cut Line Cop	Line PasteLine	Celete Fil	check	Down
Browser *	C: 0-99 C: 100-1	199 C: 200-29	9 C: 300-399	C: 400-499	Ci i i i i
C 1 100-199 C 2 200-299 C 2 300-299 C 2 300-399 C 1 500-599 C 1 500-599 C 1 500-599 C 1 500-599 C 2 300-899 C 3 400-899 C 3 400-	Prepartcy 0 1 2 3 4 5 6 4	Alpha Tag Mode	Step PM Step 33	8 Ship Dupler	om-

3. Select Options _ Fill Series:

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nowser	*	C: 0-9	9 C: 100-	199 C: 2	00-29	9 C1 30	0-399	: 400	-499	c: (
C: 100-199	1		Prequency	Alpha Tag	Mode	Step PM	Step 558	Skp	Duplet	off.*
C: 300-399		0						-	-	-
😸 C: 500-599		1	-	TAGI		-				-
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C: 700-799		+		TAG4						
C: 900-099		5		1465						
Search Editor		6		_		_	_			1
		1.1								

ARC PATROL MANUAL 14

2.4.2 Using the FILL SERIES option with step:

Another powerful option is the FILL SERIES option. Fill series will copy the data from the first selected Alpha tag row to the remaining selected rows and automatically increase the number:

4. Program data in two rows:

R ARC135					
File Edit View Options	Setup Internet Scanner	1998			
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3					
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5. Highlight the range:

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-	1					
#	Frequency	Tag (like only)	Delay	LockDut	Prody	
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3		3				
5						
	-					
5						

6. Select Options _ Fill Series:

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lank	0 1:Bank 1 2:0	ank 2 3: Bank 3 4: B	ank:4 S: Bank:1	5 6: Bank 6 7	Bank 7 B. Bank I	8 91
	1					
	Frequency	Tag (ile only)	Delay	LockDut	Privaty	
t				13		1
-		1.				
2	-	9				
2		3				
2 1 4 5		3 5 7				
2 3 4 5 6		3 5 7 9				
2 3 4 5 6 7		3 5 7 9 11				

2.5 Using the clipboard

In the memory editor grid you can use the standard Windows clipboard options. In the toolbar shortcuts are available for cut, copy and paste options. You can also use the keyboard shortcuts CTRL C, CTRL X and CTRL V. Use these options to paste data from other applications like Excel or within the object grids.

An additional clipboard option is available that will automatically select entire lines (Cut line, copy line and paste line).

To use these extra options, click any cell of a memory channel then select cut/copy/paste line. To paste in a different memory channel, select any cell in that memory channel, then select paste line, ARC PATROL will automatically align the pasted text.

Important: while pasting data make sure the data is valid for the column you want to paste data. Example: you cannot paste WFM in the step column.

2.6 Keyboard shortcuts:

Most columns also support keyboard shortcuts, for example:

 $\begin{array}{l} 0 = \text{ Off} \\ 1 = \text{ On} \\ F = \text{ Off} \\ N = \text{ On} \\ S = \text{ Skip} \\ F = \text{ Flash} \\ A = \text{ AM} \\ F = \text{ FM} \\ C = \text{ CTCSS} \end{array}$

See dynamic help text in the software for more information.

2.7 EasyFill

EasyFill is a simple but powerful option that lets you program data in a range of channels with only a few mouse clicks.

Additionally you can use EasyFill for quickly program a range of frequencies in a memory bank so you can use a memory as a search bank.

Select EasyFill from the Options menu or use the EasyFill toolbar button to display the EasyFill window:

🐴 Easy Fill	E Contractor de la Contra Contractor de la Contractor de
Select Channel R	ange:
From channel	1 To channel: 100 Default All Channels
- Fill Range With:-	
E Frequency:	Start: 0400.0000 MHz
2	Step: 10.0 V kHz
🗆 Tag:	0 🗆 Fill Series
Trunk:	• •
Lockout	• nu
Delay:	▼ no
Help	Apply Cancel
- Smart Info:	
With Easy Fill y thequencies. En	ou can setup a bank with ascending ter a start frequency and a step and ARC will
Example: Star	= 88.00 and step = 100 kHz will fill the bank
with 88.00 - 88	.10 - 88.20 - 88.30 etc.

In the top frame the channel range is selected. DEFAULT will set the start and end channel of the selected bank.

In the 'Fill Range With' frame you select the data you want to program in that range. If you want to set the mode for all selected channels to WFM select the MODE check box then select WFM and select APPLY, this will program WFM in all selected channels. You can select more the one check box.

If the Frequency check box is selected you can set a start frequency and a step. The software will automatically calculate the frequencies for the selected channel range.

Example: Frequency is set to 88.000 MHz, step is set to 50 kHz and channel range is 1-100. If you select APPLY the software will program 88.000 in channel 1, 88.050 in channel 2, 88.100 in channel 3 etc.

Fill series: for the TAG option you can also set the fill series option. Fill series will search for a number in the tag and use that number to 'calculate' the tags in the selected channel range.

Example: in the tag box the tag is set to 'Police 1'. The channel range is set to 1-100.

If fill series is selected, the software will automatically program 'Police 1' in channel 1, 'Police 2' in channel 2, 'Police 3' in channel 3 etc. See also section 2.9.

The number of characters of the tag box is shown in blue.

2.8 Using Paste Frequencies for importing frequencies of the internet:

With ARC PATROL you can very easily import frequencies from any website.

- Start the ARC PATROL software
- Open you internet browser and open a website displaying frequencies you want to import , for example:

anner Frequ	encies a	and Re	udio Fr	equency Referen	nce for Feder	al - Mic	rosoft int	ernet Explo	rer					
nd Be <u>w</u> erken	Deeld	Eavo	rieten	Egira Help										
Vorige • E			1	🔎 Zoeken 🚽	Favorieten	0	. 2	w •	18					
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and the form		or or icits.	compilio	autos pripri torro-rea									r.sppra	
Home G	ides and	Maps	Histo	ry Downloads	Submit Adm	in .								11
Agency	: Fede	ral	-											
US > Ohio	2							4	Agency Las	it Update	ed on 10-17	-2006	01:22	
US Fores	t Service													
53 m														
2 Wayne	Nationa	I Fore	st											
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164.70000	Federal			Marietta unit		FM								
164.82500	Federal	RM 1	31.8 PL	Athens unit, Bronton	n Ranger District	FM								
164.95000	Federal			Marietta unit		FM								
Law Enfo	rcemen	t												U
🗵 FBI														U
Frequency	Input	Type	e lot	Description	Hode									
173.10000	162.7375	0 RM	A-01	Cincinnati Repeater	- DVP FM									
173.15000	162.7625	0 RM	A-02	Cincinnati Repeater	- DVP FM									
173.17900	167.4875	0 RM		Dayton Repeater	FM									Н
U.S. Arm	y													H
51.0000		Englis												
Z Army C	orps of	Engin	eers											
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Frequency	locat	Line	tee Tur	e Tone Descrip	tion		Marte							
163,43750	163,0250	n wie		114.8 PL CANCH	Creek Lake Dan	- Harvey	shurn FM							
163.43750	163.0250	0 91.0	12 RM	100.0 PL C1Brow	in Lake Dani - Sr	vingfield	FM							
						4.00								
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• In your browser highlight the area (hold down right mouse button and move mouse) you want to import:

Scanner Frequencies and Radio Frequency Reference for Federal - Microsoft Internet Explorer	
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Adres 💩 http://www.radioreference.com/modules.php?name=RR0aid=3537 🛛 💌 🔁 Ga naar	Koppelingen *
Home Codes and Maps History Downloads Submit Admin	4
Agency: Federal	
US > Ohio Adverse Last Lindated on 10-17-200	6.01-22
US Forest Service	
5 Wayne National Forest	
Programme Lineary Days Constitution Marke	
164.70000 Pederal Marietta unit FM	
164.82500 Federal RM 131.8 PL Athens unit, Bronton Ranger District FM	
104.55000 Zedezsi Asrietta unit ZM	
Law Enforcement	
I FRI	
Eventerical Institution Institution Model	
173.10000 162.73750 RM 8-01 CirclmstiRepeater - DVP TM	
173.15000 162.76250 RM A-02 Cincinnati Repeater - DVP FN 132.13000 162.49250 RM Devides Repeater - DVP	
U.S. Army	
R Army Corps of Engineers	
Rood Control	
Frequency Disput, License Type Tone Description Mode	
163.43750 163.02500 WUE2 RM 114.8 PL Caesar Greek Lake Dan - Harveysburg FM	
163.43750 163.02500 MUE2 RM 100.0 PL C3 Brown Lake Dan - Springfield RM	
Internet	

- Now in your browser press CTRL C (or select EDIT _ COPY from the top menu)
- Now go to ARC PATROL and click in the frequency column

• Click the right mouse button and select 'Paste Frequencies:

ARC fo	r Radioshad	ck PR	0433/5	28									
<u>File E</u> dit	View Option:	s PR	0433/528	Inter	rnet <u>T</u> runk	Search ;	<u>5</u> etup	<u>H</u> elp					
				_				_					
	7 8	4		× •	€ ⊒ * :	₽ ₽	↓ }	l →		\$1			
🎍 1	6 🕷		🔁 I	↓ 1	N 🗙	≣ ≵	k ^Z ↓	🙎	28				
7: E	Bank: 7	8	3: Bank: 8	ΤY	9: Bank:	9	10: E	lank: 10	γ	Dummy			
1: Ba	nk: 1	2:	Bank: 2	γ	3: Bank: 3	<u>/</u>	4: Bar	nk: 4	Ύ	5: Bank: 5	Υ.	6: Bank: 6	
													_
	Freq. (MHz)		Trunk	Delay	Lock Out	Tag				Priority		•	
1	164.70000												
2	164.82500												
3	164.95000												
4	173.10000												
5	162.73750												
6	173.15000												
7	162.76250												
8	173.17500												
9	167.48750												
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2.9 Import/Export data:

ARC PATROL can import data from various sources:

- import CSV data
- import using the clipboard: you can easily copy/paste data from Excel or other database software that supports the clipboard
- import frequencies from text/html/csv files. Use the Import CSV file option in the file menu.
- import directly from the Radioreference.com database.
- Import ARC396/330/396/XT system files

ARC PATROL can not export data:

- Due to license restrictions we can not export to any other format then the native HP1 .hpd format

2.10 Import CSV files:

Select FILE _ IMPORT _ IMPORT CSV FILE. A new window is shown.

Select File _ Open CSV file and browse for the CSV or text file that you want to import. The contents of the file will be shown in the grid. You can now simply copy data from this grid into the main editor grid:

📥 CSV Map	per: Impo	rt And M	Ao dify	CSV Files							_ 🗆 🗙
File Edit											
0											
8	30.35000		0.0000	00		Ca	mp Pendleton I	Marine Corps E	ase Op	Ground	Alternat∈
9	31.14000		0.0000	00	KEE37	Riv	verside County	of Fire/EMS			
10	31.18000		31.980)00	KSP243	Riv	verside County	/ of Fire/EMS		Ops Net	/Chiefs N
11	33.44000		0.0000	00	KMF371	Co	ntra Costa Col	unty Fire Protec	ction Dis	Patch to	VHF Dis
12	33.74000		33.460	000	KDN945	La	Habra Heights	City of Fire/El	MS	Dispatch	/Tactica
13	33.96000		33.100	000	WNZF381	Sa	inta Clara. Cou	nty of Fire/EMS	6	Countyv	vide (Inte
14	35.68000		35.680	000	WNLN419	Ho	spitals Operati	ons		Paging	
15	37.02000		37.02000			Go	overnors Office of Emergency Servic			Emerger	ncy Digita
16	37.08000		37.08000		Various	Sa	anta Clara County of Mutual Aid/EOCs			EOC-to-l	EOC
17	37.10000		46.28000		KML958	Fir	re/EMS			Dispatch	1
18	37.26000		39.50000		WQBT615	De	partment of Fo	od & Agricultu	re Oper:		
19	37.38000		37.380	200		Go	overnors Office	e of Emergency	y Servic	Emerger	ncy Digita
20	37.98000	Cut		D	WSB814	Plu	umas County o	f		Roads	
21	39.04000	Сору		D	WNAY924	De	partment of Co	rrections & Re	habilitat		
22	39.06000	Paste		D	WNBJ620	De	partment of the	e Highway Patr	rol (CHP	UNK - M	obile Rel
23	39.06000	Delete		D	KMA367	Lo	s Angeles City	of LAPD - VH	IF Syste	VHF old	-Statev _
24	39.08000			nn	KVG588	Sh	eriff			Detectiv	
		Fill Dov	ND								
-Filter:											
C Replace	String:			Бу	c						
				-,							
O Convert	To Lower C	ase					0 mmh i				
C Convert	To Upper Ca	ase					Abbiy				
			:	Selection: 7 Ro	ows x 1 Cols		Row:13	RowSel:19	C	Col:1	ColSel:1

You can make changes in the grid by using a double click. You can use copy/paste option.

The right mouse button will show a popup menu (see screenshot).

Below the grid you find filter options, use these filter options to replace strings and convert data to lower or upper case. To use the filter options you must first highlight items in the grid by holding down the left mouse button.

Sort: you can double click the column headers to sort the grid by frequency etc.

2.11 Checking for software updates

For your convenience the software can check if a newer version of the ARC PATROL software is available (internet connection required).

Select HELP _ CHECK FOR UPDATES.

The software will show a message if a newer version is available and automatically open the download website.

2.12 Sorting Data:

You can sort data by double clicking the header of the editor grid. Data will be sorted by the selected column.

2.13 Find/Remove duplicates:

You can check for duplicates in the current bank or in all banks.

Select Options _ Find Duplicates _ In Current Bank/ All banks. You can also include the subtone.

A new window is shown with the result of the duplicate search:

Data:	Subtone:	Alpha Tag:	Bank# / Bankname:	Channel:	
0075.3000		СНЗ	00/A	3	
0075.3000			00/A	27	
0075.6000			00/A	13	
0075.6000		FIRE	00/F	53	
0129.4000		Nth.Cntl	03/G	5	
0129.4000			03/G	12	
0133.3500			00/A	63	
0133.3500		Hang G	03/G	13	
0140.6125			00/A	49	
0140.6125		AIR OPS	00/F	58	
0140.9875		FIRE	00/F	59	
0140.9875			05/D	10	
0143.9250		FIRE 3	00/F	57	
0143.9250		CH 03	05/D	2	
0156.1750		CH 63	04/E	31	
0156.1750			04/E	56	
0156.4000			00/A	47	
0156.4000		CH 08	04/E	7	
0156.8000			00/A	48	
0156.8000		CH 16	04/E	15	
0157.3250		CH 86	04/E	52	
0157.3250		CH 87	04/E	53	
0157.3250		CH87A	04/	54	
0487.3750		CH3	00/A	2	
0487.3750			00/A	46	
Valata Salartad Chan	Select Dunc	LIDSelect All			Dope

The results are sorted by frequency. You can delete duplicates by ticking the box in front of the frequency. Select Dups automatically selects the duplicate frequencies.

2.14 Read data from receiver:

To edit/read the favorite lists stored on your HP-1 select Scanner HP-1, Read Data or use the toolbar icon or press F5.

The software will now try to detect the scanner. If not connected plug the USB cable in the HP- $1 \mbox{ and } a$ free USB port.

😵 Load Favorite File from HP-1	X
HomePatrol HP-1 Status	Detect HP1
Open HP-1 Favorite List:	
HP-1 detected at drive E DBase=12/09/201/	0 17:00:03 Eirmware=1.02.00

The software will list all the Favorite lists stored in the HP-1. Select the favorite list and then press Open. This will copy the selected favorite list into ARC PATROL.

2.15 Send data to Scanner:

After you created HPD/Favorite files you can send them to the HomePatrol HP-1.

- 1. Load the HPD file in ARC PATROL
- 2. Connect the HP1 to your PC using the USB cable supplied with the HP-1
- 3. The HP1 display will turn white/gray
- 4. In ARC PATROL select SCANNER HP1 _ UPLOAD TO HP1 FOLDER

😵 Upload Data To HomePatrol-1 🛛 🔀
HomePatrol HP-1 Status Detect HP1
Add New Favorites List: Overwrite Existing Favorites List:
Save New Favorite List on HP-1 Delete Selected Fav List
HP-1 detected at drive G

If ARC PATROL detected your scanner the Status indicator is green. Now enter a name for the new Favorites List:

😟 Upload Data To HomePatrol-1 🛛 🔀
HomePatrol HP-1 Status Detect HP1
Add New Favorites List: enter a name here Overwrite Existing Favorites List:
Save New Favorite List on HP-1 Delete Selected Fav List
HP-1 detected at drive G

Or select and existing Favorite list to overwrite:

😵 Upload Data To HomePatrol-1 🛛 🔀
HomePatrol HP-1 Status Detect HP1
Add New Favorites List: Overwrite Existing Favorites List: CB
Save New Favorite List on HP-1 Delete Selected Fav List
HP-1 detected at drive G

WARNING: DATA stored in the existing file will be deleted and overwritten!

Now press the blue `SAVE NEW FAVORITE LIST ON HP-1 BUTTON'. This will store the new file on the HP-1.

2.16 How to scan the new favorite list:

- disconnect the scanner from the PC
- the scanner will now restart
- using the touchscreen select:
- MENU
- MANAGE FAVORITE LISTS
- Select the FAVORITE LIST that you just uploaded
- Press 'Use this List'
- Confirm the message by pressing YES
- The scanner will now prepare for scanning the file.

- If the HP1 displays a warning that no channels are matching you must select the service type.

- Press 'SERVICE' and select at least one Service type. Available service types are shown in white text. Press ACCEPT. The scanner will now prepare for scanning the file and after a few seconds start scanning the new file.

<u>3 RadioReference Database import</u>

ARC can import frequencies directly from www.radioreference.com, RadioReference is the largest and most accurate scanner database in the world.

For information about the database check out: <u>http://www.radioreference.com</u>

IMPORTANT: To use the RadioReference import option you must subscribe to their services (only \$7.50 / 90 days)

IMPORTANT: you must allow the ARC software to access the internet through your firewall (port 80 only). Without access the import option will not work.

The RR import may not work properly on satellite internet connections due to latency problems. Use dialup or DSL/Cable/WAN instead.

The RadioReference subscription is not included with ARC.

Importing conventional frequencies:

Open the RR import window and select your State. In this example we will import data from California, Alameda county:

Select California. This will load the CA County list, select Alameda:

RadioRe	ferend	e WebService - b	uild 44						X
UserName:	rsde	mo	PassWord	unia	Ca	nnect			
State:	CA/	California		Country:	USA	•			
	F	County:	Alameda	Alameda					View
	L	Agency:						+	View
		Select:	Convention	hal Frequencies	-977	Trunk	Systems		
	Dat	a 🗋	Alpha Tag C	ptions	Trunk Op	tions			
Select A		Unselect All						0/0	
Bank Name	nic	Bank 0: Bank 0	•	-Bank Name: C Don't change © Use Agency/C C Custom:	ounty Name:			Im Copy Te	port.

Now press the blue 'Conventional Frequencies' button. The software will now load all the frequencies from the selected county:

🐢 RadioRefi	erenc	e WebService -	build 44				8
UserName:	rsder	no	PassWord	Administ.	0	nnect	
State:	CA/	California		Country:	USA	•	
	F	County:	Alameda				• View
	L	Agency:			_		♥ View
		Select:	Conventi	onal Frequencies	-700-	Trunk Syste	ems
	Data	• [Alpha Tag	Options	Trunk Op	tions	
Bus Dub Dub Dub Dene Drede Drede	ines: ines: ifn, t Bay ryvi eral mont, ward, ermor itar; icipa ark,	ses City of Regional P Ile, City of City of City of City of City of City of Unselect All	arks Distric	t 			0 / 129
Bank Name Import In Ban	k:	Bank (): Bank ()		- Bank Name: C Don't change (* Use Agency) C Custom:	e 'County Name:		Import Copy To Clipboard
Done.							

RadioReference WebSer	vice - build 44	×
UserName: Isdettio	PassWord Connect	
State: CA / California	Country: USA	
E County: Agency:	Alameda Conventional Frequencies Trunk Systems	View
Data	Alpha Tag Options Trunk Options	
Albany, City of Fire / 1 Fre 10154,38 Police / 1 F Berkeley, City Fire / 5 Fre 0153,83 0153,98 0154,19 0154,43 Police / 11 Police / 11 Public Works Select Al Unselect Al	quency 50 FM 118.8 PL [Albany FD] / Dispatch requency of quencies 00 FM 131.8 PL [BerkeleyFD] / 00 FM 131.8 PL [BerkeleyFD] / 00 FM 131.8 PL [BerkeleyFD1] / Dispatch 50 FM 131.8 PL [BerkeleyFD2] / Frequencies / 4 Frequencies	u ■ 0 / 129
Bank Name: Import In Bank: Bank 0: Ban	A 0 Bank Name: Don't change Use Agency/County Name: C Custom:	Import: Copy To Clipboard

Use the `+' symbol to see detailed frequency info:

RadioReference WebService	- build 44	8
UserName: risdemo	PassWord Connect	
State: CA / California	Country: USA	
County:	Alameda	+ View
Select:	Conventional Frequencies Trunk Systems	
Data	Alpha Tag Options Trunk Options	
■ Alameda, City of ■ Albany, City of ■ Fire / 1 Freque ■ Dolice / 1 Freque ■ Dolice / 1 Freque ■ Derkeley, City of ■ Fire / 5 Freque ■ 0153.8300 ■ 0153.9800 ■ 0154.1900 ■ 0154.4300	ncy FM 118.8 PL [Albany FD] / Dispatch uency FM 131.8 PL [BerkeleyFD] / FM 131.8 PL [BerkeleyFD] / FM 131.8 PL [BerkeleyFD] / Dispatch FM 131.8 PL [BerkeleyFD] / FM 131.8 PL [BerkeleyFD] /	
Belect All Unselect All	quencies	▼ 5 / 129
Bank Name: Import In Bank: Bank 0: Bank 0	Bank Name: C Don't change	Import Copy To Clipboard

You can now select the frequencies that you want to import:

We can now import this in the software by pressing the Import button.

serName:	rsdemo		PassWord			Connect		
State:	CA / California			 Country: 	USA	-		
	County:		Alameda				*	View
	L Agency:						+	View
	Select:		Convention	tems				
	Data		Alpha Tag O	ptions	Trunk (options		
	Fire / 1 Fre 0154.38 Police / 1 Fre rkelæy, city Fire / 5 Fre Ø 0153.83 Ø 0153.98 Ø 0154.19 Ø 0154.35 Ø 0154.43 Police / 11 Public Works M Unselect M	quency 50 FM requencie quencie 00 FM 00 FM 50 FM 50 FM Frequen / 4 Fr	118.8 Pt y 131.8 Pt 131.8 Pt 131.8 Pt 131.8 Pt 131.8 Pt 131.8 Pt cies equencies	. [Albany Berke Berke Berke Berke Berke	/ FD] / D leyFD] / leyFD] / leyFD] / leyFD] / leyFD2] /	spatch D1spatch	5/	129
Bank Name Import In Be	ank: Bank (): Ala	neda	•	Bank Name: C Don't change Use Agency	e (County Name:	Alameda		mport

Importing Trunk Information:

In this example we selected the Alameda Public Safety trunk system:

You can see the frequencies and talkgroups by clicking on the +' symbol in the treeviews:

🕋 RadioRe	ference W	ebService - bi	nild 44				8
UserName:	rsdemo		PassWord	iligi	0	met	
State:	CA / Califi	omia		Country	USA		
	- 00	inty:	Alameda				• View
	L	nk Systems:	Alameda, Cour	ity of (Public	Safety) / Motorok	1	 View
	Se	lect:	Conventiona	Frequencie	Agrican	Trunk System	is
	Data	r	Alpha Tag Opt	ions	Trunk Op	ations	
	Systemvi Frequ Frequ Frequ Frequ Frequ Frequ Frequ Frequ Frequ Frequ Frequ	de Channe ency: 08 ency: 08	1s: 21 66.1500 LCN: 66.4250 LCN: 66.8000 LCN: 66.9375 LCN: 67.1500 LCN: 67.4000 LCN: 67.6750 LCN: 67.7750 LCN: 67.9250 LCN: 68.0375 LCN:	17 8 6 1 7 13 4 14 19 5 10	Alame	ida, City of /18 ican Medical Res /15 Tgid's ate East Bay /1 y Probation /10 in/San Ramon Ser gency Broadcast /EMS /27 Tgid's ont, City of /3 ral Services /10 ard, City of Pol to Hospital /1	8 Tgid's sponse (AMR) /ll L Tgid 0 Tgid's vices District , /7 Tgid's 8 Tgid's 5 Tgid's 11ce (NARC) /7 Tç 14 Tgid's
Bank Name Import In Ba	Unse snk: Bank	elect All		Bank Name: C Don't chan G Use Agenc C Custom:	ge y/County Name:	Unselect All	0 / 266 Import Copy To Opboard
Done							

	delog	Password	Contract
itate: C	A / California	Country:	USA 💌
-	 County: 	Alameda	 View
	Trunk Systems:	Alameda, County of (Public S	Safety) / Motorola 💌 View
	Select:	Conventional Frequencies	Trunk Systems
0)ata	Alpha Tag Options	Trunk Options
C Select All	Frequency: 08 Frequency: 08	66.1500 LCN: 17 66.4250 LCN: 8 66.8000 LCN: 6 66.9375 LCN: 1 67.1500 LCN: 7 67.2500 LCN: 13 67.4000 LCN: 4 67.6750 LCN: 14 67.7750 LCN: 19 67.9250 LCN: 5 68.0375 LCN: 10	American Medical Response (AMR) /11 C MED /15 Tgid's CalState East Bay /1 Tgid County Probation /10 Tgid's Dublin/San Ramon Services District Emergency Broadcast /7 Tgid's Fire/EMS /27 Tgid's General Services /16 Tgid's General Services /16 Tgid's Medic to Hospital /14 Tgid's Select Al Unselect All

To import this system first select the site in the left pane:

And now we can select the talkgroups, for example the 18 talkgroups for the City of Alameda, in the right pane :

serName:	rsdemo	P	assWord	-	-				Con	nect				
itate:	CA / California] 0	Count	ry: L	ISA			•			
	County:	1	Alameda	i.										 View
	L Trunk Syste	ems:	Alameda	, Count	ty of (Publi	: Safet	() / Mo	torola					 View
	Select:		Conve	ntional	Frequ	Jenck	99	-90	10.000		'runk S	ystems		
	Data	Y I	Alpha T	ag Opti	ons	-	0	Tru	ni: Opti	ons)			
c. Select A Bank Name	Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Unselect All	0866. 0866. 0867. 0867. 0867. 0867. 0867. 0867. 0867.	4250 8000 9375 1500 2500 4000 6750 7750 9250 0375	LCN: LCN: LCN: LCN: LCN: LCN: LCN: LCN:	8 6 1 7 13 4 14 19 5 10		< Sel	- [- [- [- [- [-]		4324 4331 4334 4337 4340 4344 4347 4340 4347 4350 4355 4355	18 [12] 12] 13] 14] 15] 14] 15] 14] 15] 14] 15] 15	POLIC POLIC POLIC POLIC POLIC POLIC POLIC POLIC	E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 11	Seconc Channe Channe Channe Channe Channe Channe Channe Channe Channe Channe
nport In Ba	nk: Bank 0:Bank	0	•		C Dor Use C Cus	n't cha a Agen stom:	nge xy/Cour	ity Name	. E				Co	Import

We can now import this in the software by pressing the Import button.

Please note that in demo mode you can only make two free imports. Any additional imports can only be made after a subscription and software license is purchased at www.radioreference.com/RadioShack

A RadioRe	ference WebService	- build 44	
UserName:	rsdemo	PassWord C	onnect
State:	CA / California	Country: USA	
	County:	Alameda	• View
	L Trunk System	s- Alameda, County of (Public Safety) / Motorol	view
	That system	The second count of dust select () is been	
	Select:	Conventional Prequencies	Trunk Systems
	Data	Alpha Tag Options Trunk O	ptions
	Systemwide Cha Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency: Frequency:	me1s: 21 ■ ■ ▲lam 0866.1500 LCN: 17 0866.4250 LCN: 8 0866.4250 LCN: 8 0866.9375 LCN: 1 0867.1500 LCN: 1 0867.2500 LCN: 13 0867.4000 LCN: 14 0867.6750 LCN: 14 0867.750 LCN: 17 0867.9250 LCN: 10 0867.9250 LCN: 10	eda, City of /18 Tgid's D: 43216 [POLICE 1] Dispat D: 43248 [POLICE 2] Second D: 43280 [POLICE 3] Channe D: 43312 [POLICE 4] Channe D: 43312 [POLICE 5] Channe D: 43376 [POLICE 6] Channe D: 43376 [POLICE 6] Channe D: 43408 [POLICE 7] Channe D: 43400 [POLICE 8] Channe D: 43472 [POLICE 9] Channe D: 43504 [POLICE 10] Channe D: 43566 [POLICE 11] Channe
Bank Name Import In Ba	M Unselect All	Bank Name: C Don't change G Use Agency/County Name: C Custom:	Unselect All Import Copy To Clipboard

3.2 RadioReference Options:

 Sites / Groups
 Options

 ✓
 Use Tag Filtering for Group and Channel Tags

 ✓
 Automatically Remove Spaces from Channel Tags

 ✓
 Do not modify tags smaller than 16 characters

1: Use Tag Filters:

This option uses an external file to automatically filter/replace text tags. You can edit the file in notepad and define your own 'filter' rules.

Locate 'tagfilter.txt' and open in notepad, here are some filter examples:

"East","E" "West","W" "North","N" "South","S" "Police","PD" "Fire","FD" "Tactical","Tac" ";",""

So 'East' will be replaced by 'E" etc. The ; character will be removed. You can define up to 1000 rules to filter text.

2: Remove spaces, tick this box if you want the software to automatically remove spaces form group and channel names

3: Do not modify: if the tag is 16 characters or less the software will not modify it since it fits the available space

4. GPS latitude and Longitude search

ARC PATROL has a built in search option for GPS coordinates.

You can search for GPS latitude and longitude by:

- US street address
- US postal zip code
- County Centre
- Point Of Interest or Area of Interest
- 3 letter Airport code

IMPORTANT: this option requires a live internet connection.

4.1 Street Address:

Select US Street address and enter Street, City and State. Press Find GPS Data to locate the Latitude and Longitude for the selected address. Use COPY GPS to copy this information into ARC PATROL

📥 GPS Latitude and L	ongitude Lookup: 📀 🔁
• US Street Address:	Street: 4700 Amen Carter BLV City: Fort Worth State: TX
O US Zipcode:	Zipcode: 94089
C County Centre:	County Centre GPS data:
O Place Of Interest:	grand canyon
O Airport 3 Letter Code:	AMS
	Find GPS data
Result of Search:	Latitude: 32.831987 Copy GPS Longitude: -97.048834 Show Map

ARC PATROL MANUAL 43

4.2 US Zip:

Select US Zip code and enter the 5 digits of the US zip code Press Find GPS Data to locate the Latitude and Longitude for the selected zip code. Use COPY GPS to copy this information into ARC PATROL. The software will also display the City and State of the selected zip code.

🔺 GPS Latitude and L	ongitude l	Lookup:	×
O US Street Address:	Street: City: State:	TX •	Clear
• US Zipcode:	Zipcode:	94089]
C County Centre:	County	Centre GPS data:	•
C Place Of Interest:	grand c	anyon	
C Airport 3 Letter Code:	AMS		
		Find GP	'S data
Result of Search:	Latitude:	37.425119	Copy GPS
Sunnyvale; CA 94089	Longitude:	-122.017250	Show Map

4.3 County Centre:

Select County Centre. Now select the county name from the list. Press Find GPS Data to locate the Latitude and Longitude for the selected county. Use COPY GPS to copy this information into ARC PATROL.

<mark>∧</mark> GPS Latitude and L	ongitude Lookup: 🛛 🔀
O US Street Address:	Street: City: State: TX Clear
O US Zipcode:	Zipcode: 94089
 County Centre: 	County Centre GPS data:
O Place Of Interest:	grand canyon
C Airport 3 Letter Code:	AMS
	Find GPS data
Result of Search:	Latitude: 37.425119 Copy GPS
Sunnyvale; CA 94089	Longitude: -122.017250 Show Map

4.4 Place of Interest / Area of Interest:

Select Place of Interest. Now enter the POI or AOI. For example 'Grand Canyon' 'White house' or 'Pentagon'.

Press Find GPS Data to locate the Latitude and Longitude for the selected search. Use COPY GPS to copy this information into ARC PATROL. The software will also display the County and State of the selected search.

▲ GPS Latitude and L	ongitude Lookup:	×
O US Street Address:	Street: City: State: TX Clear	
O US Zipcode:	Zipcode: 94089	
C County Centre:	County Centre GPS data:]
Interest:	grand canyon	
C Airport 3 Letter Code:	AM5	
	Find GPS data	
Result of Search:	Latitude: 36.054885 Copy GPS	
Grand Canyon National Pa	Longitude: -112.122099 Show Map	

Select Airport 3 letter code. Now enter the unique 3 letter code like JFK, BOS AMS.

Press Find GPS Data to locate the Latitude and Longitude for the selected search. Use COPY GPS to copy this information into ARC PATROL. The software will also display the County and State of the selected search.

▲ GPS Latitude and L	ongitude Lookup: 🛛 🗙
O US Street Address:	Street: City: State: TX Clear
O US Zipcode:	Zipcode: 94089
C County Centre:	County Centre GPS data:
C Place Of Interest:	yosemite
• Airport 3 Letter Code:	JFK
	Find GPS data
Result of Search:	Latitude: 40.643711 Copy GPS
John F Kennedy Int'l Airpo	Longitude: -73.790009 Show Map

4.6 Find a US zip code

If you are traveling and want to reprogram the HP-1 using a zip code you can use ARC PATROL to find the zip code of your location.

Select US Street Address and enter a search query.

For example we are at Time Square in New York and want to reprogram the HP-1. After entering the street, city and State press Find GPS Data. The software will now show the zip code. In this example the zip code is 10036 and we can now enter the new zip code in the HP-1.

🔺 GPS Latitude , Long	itude and Zipcode Lookup:	\mathbf{X}
	Street: time square City: new york State: NY	
O US Zipcode:	Zipcode: 94089	
C County Centre:	County Centre GPS data:	[
C Place Of Interest:	yosemite	
C Airport 3 Letter Code:	AMS	
	Find GPS data	
Result of Search:	Latitude: 40.759520 Copy GPS	
	Longitude: -73.984409 Show Map	
	Zip code: 10036	
Times Sq		

5 General information and troubleshooting

5.1 Revision history:

ARC PATROL V0.80 -0.99: beta versions

- ARC PATROL V1.00 build 1:
- first official release
- ARC PATROL V1.01 build 1:
- fixed up/down functions in tg editor
- fixed problem Mot splinter systems
- fixed dbase version detect
- fixed update download link
- added default service type setting in software setup

ARC PATROL V1.01 build 2:

- fixed Audio Type problem when creating new talkgroup
- fixed RR Agency import problem service tags
- fixed RR import problem when importing more than 20 departments
- fixed saving avoid flag problem

5.2 Troubleshooting

N/A