RAY'S PAGER SALES

Unication G1

Pager Programming

Made Easy
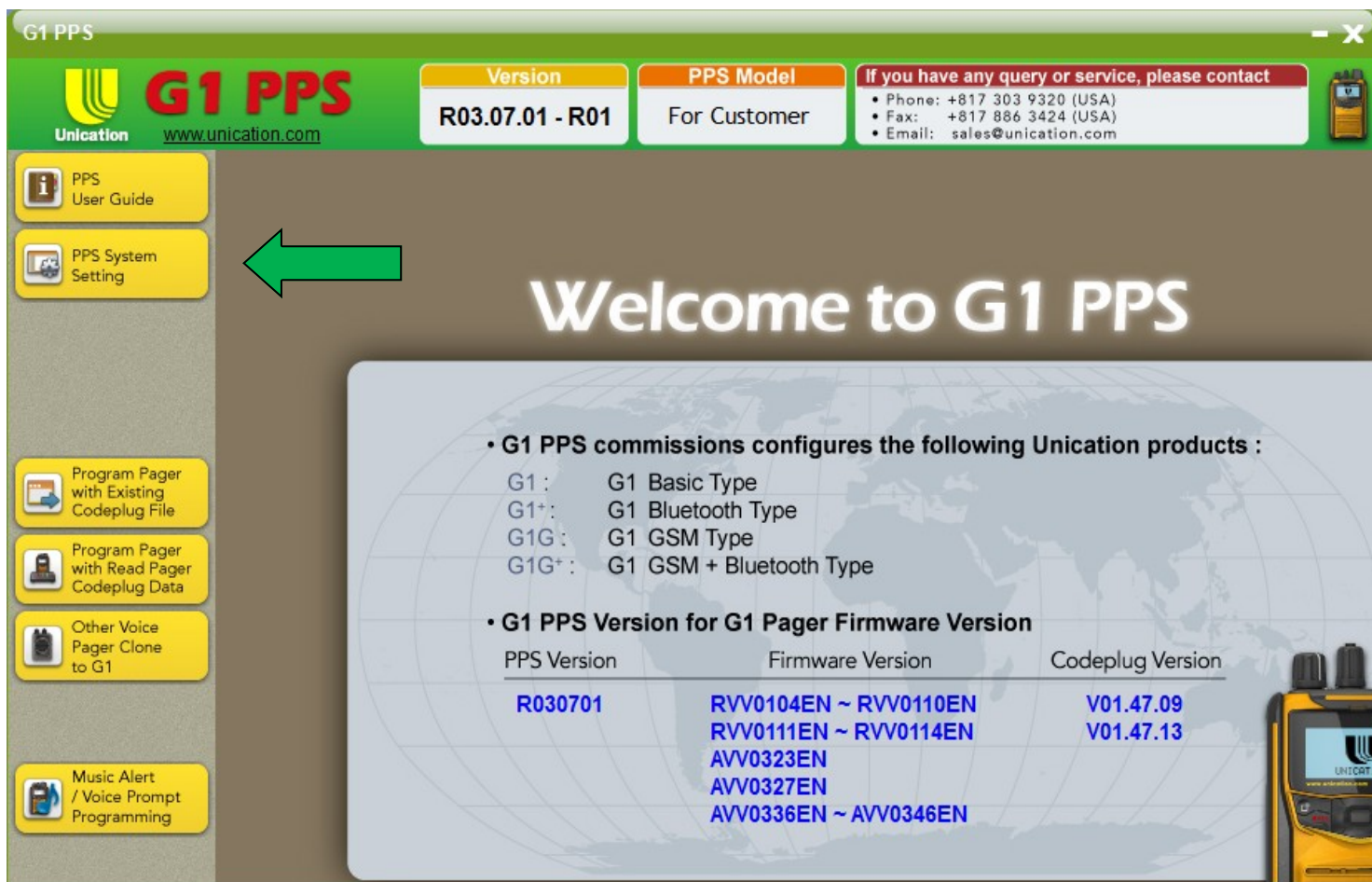
RAY'S PAGER SALES

Ephrata, Pennsylvania

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www.rayspagersales.com

Click on the tab illustrated by the green arrow to set the com port to where the programmer is connected to your computer, you should see the screen illustrated by the yellow arrow. After you set the com port remember to hit the SAVE button.

If you don't want to set WAV. Files for your alerts skip to page 4.

If you are new at programming a Unication G1 Pager I would suggest that you skip to page 4 and get familiar with programming before you use the WAV. File feature.

If you want to set WAV. Files for you alerts click the tab illustrated by the RED arrow and follow the instructions.
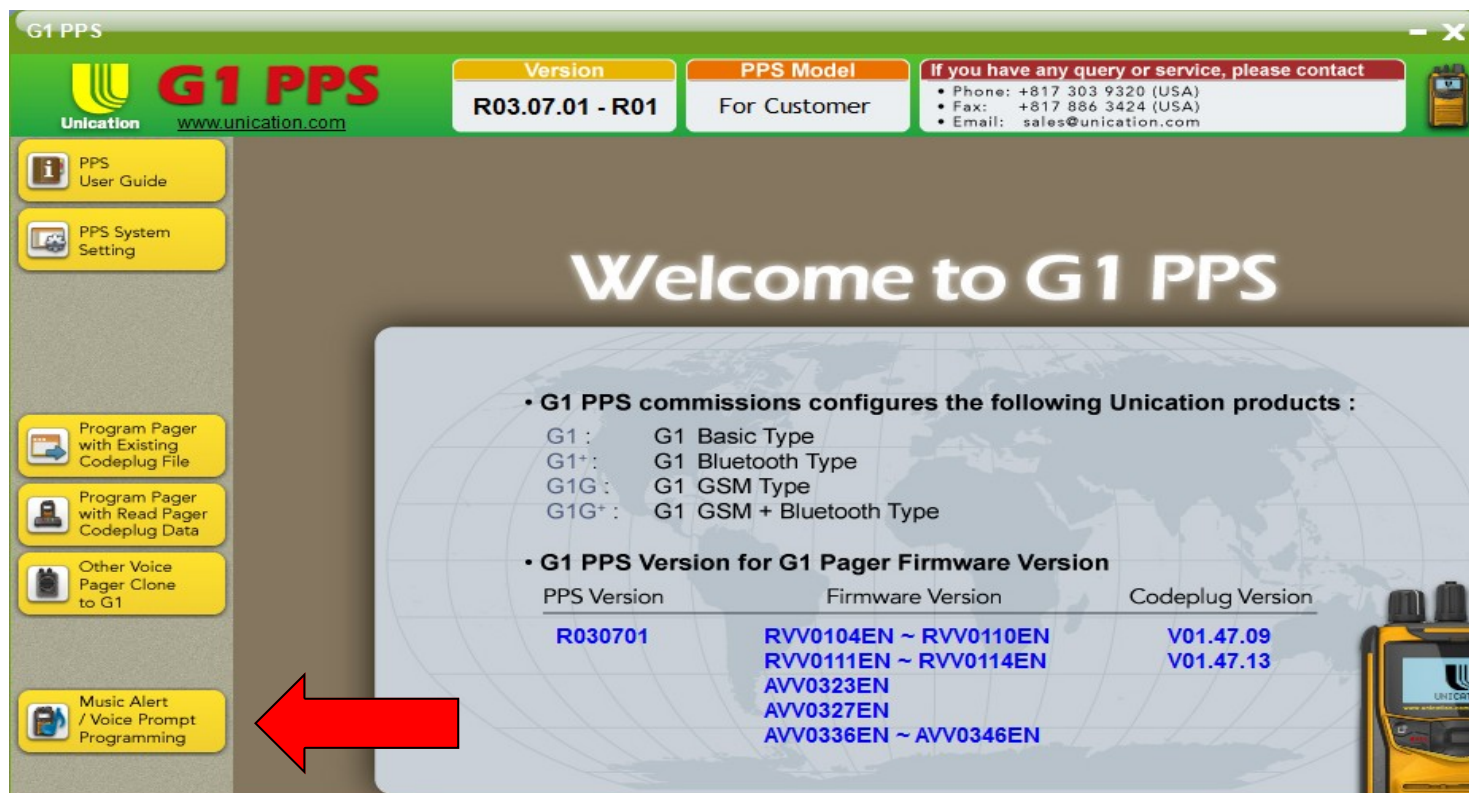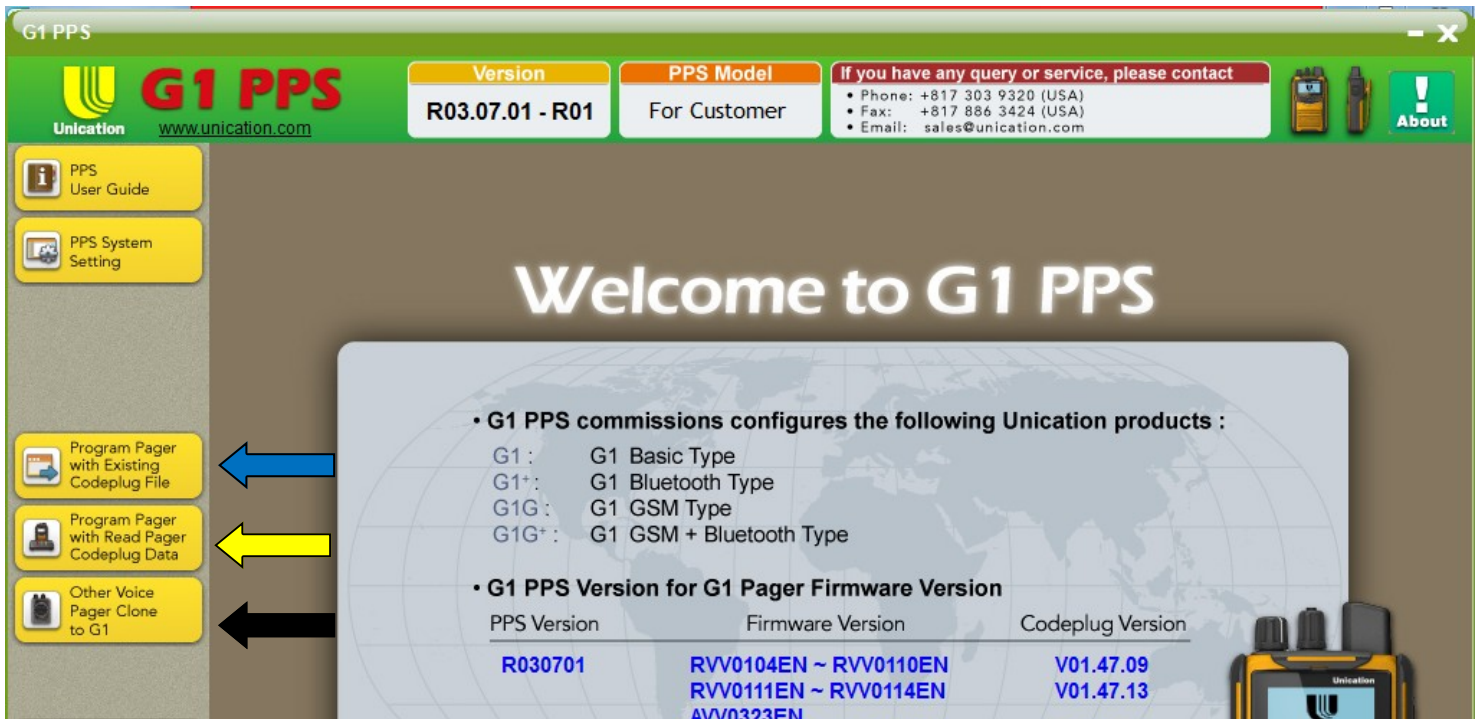

Click on the browse tab, find your desired wav. File from your on source and upload into this section.

The title name of the wav. File can not be more than 20 characters. Enter as many as you wish.
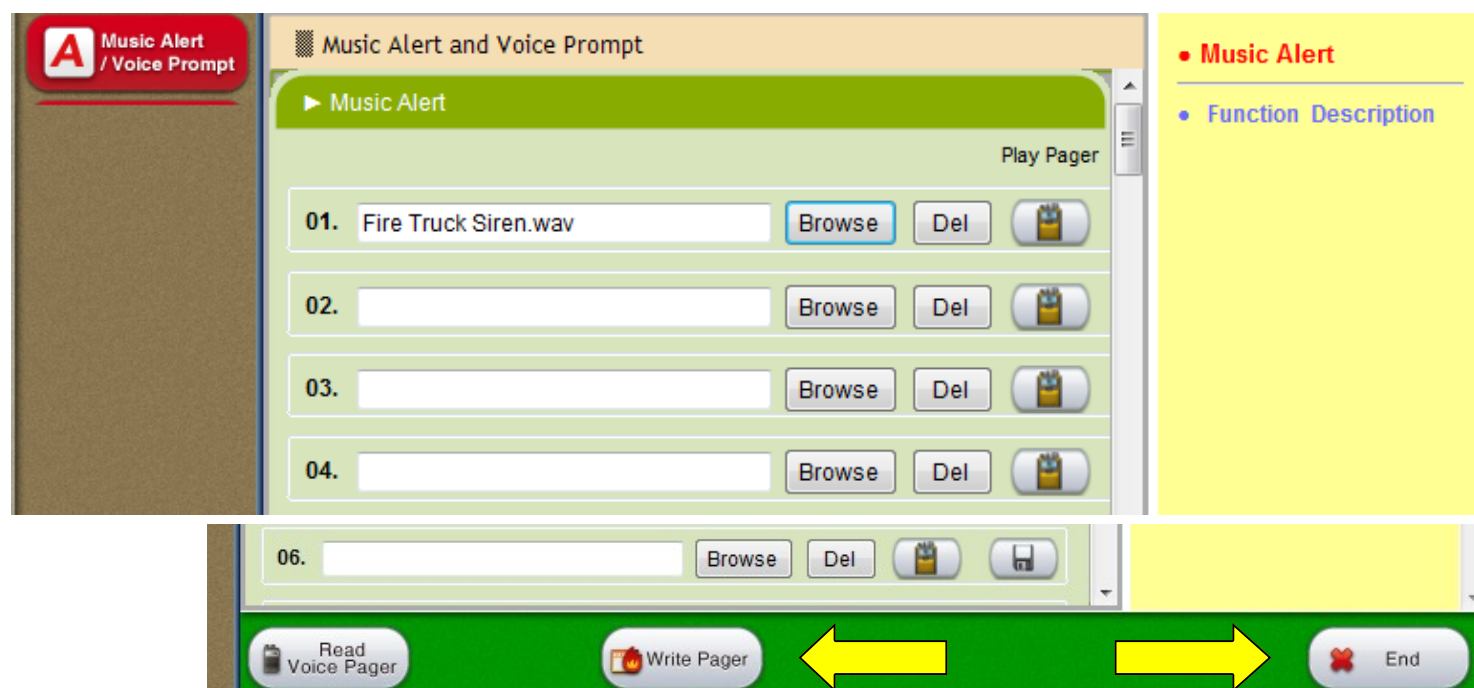
Write your Pager   Do not forget to write your pager to save these wav. Files to your pager.

Then click the END tab to go back the main programming section of your pager.

Next select from the next 3 tabs to program your pager.

- If you are programming your pager from scratch, use the tab shown by the illustrating YELLOW arrow.

- If you have a codeplug already saved you can use the tab shown by the illustrating BLUE tab to search you files for a saved codeplug from a Unication pager.

- If you want to use a codeplug from another brand of pager you can try that at the tab illustrated by the BLACK arrow.

STEP BY STEP INSTRUCTIONS FOR PROGRAMMING UNICATION G1 BASIC PAGER

 Step #1 (PAGER INFORMATION DISPLAY)

Insert your information in the 3 sections available to display your information.

- Inventory Control Number, Group Name, User Name or whatever you desire.

▶ Pager User Identifier Setting

- Serial Number — AG18431437
- Band Split — 147 - 167 MHz (VB)
- Pager Type — BT (G1+)
- Inventory Control Number — Unication ⇐
- Group Name — RAYS PAGER SALES ⇐
- User Name — 717-859-2021 ⇐

▶ Latest Programming Information

- PPS Version — R030702
- Codeplug Version — V014713
- Programming Date — 2014/11/14 12:29

STEP #2

(PAGER CONFIGURATION SETTING)

This section can be customized
according to preference,
but this is a good general setting.

Pager Configuration Setting	
Menu Timeout	10 sec
Backlight Timeout	8 sec
Default Zoom Mode	Zoom Out
Default LCD Contrast	Level 5
Default Zone	1
Default Squelch Level	Good RF Sensitivity
Default Time Format	12 Hour
Default Date Format	MM/DD/YY
Key Tone	NO
Auto Alarm Turn On	NO
Screen Off	NO
Storage Voice Compress	Yes
Voice Message Recording Limit	2 min 16 sec
Duplicate Text Message Detection	NO
Sequential Lockout Period	None
Priority Channel Landing Alert	Disable
Display Receive Information Title	NO
Display User Information Title	NO
Do Not Record Off Duty Messages	NO
Charging Backlight	NO
Record Delay Timer Function	Enable
Paging Backlight Flash	Yes
Default On / Off Duty State	On State
Key Lock	OFF
Voice Prompt	OFF
Default Fix Alert	Disable
Squelch Control Receiver	Enable
5 Tone All Call Disable	Yes
Play Key Press Type	Click

B Pager Configuration Setting

This Section is where you can customize your alert tones.

The rest of Section B is also custom settings, most of those you can keep at default settings, unless you want to disable some functions that you don't want your users to change on the pager themselves.

▶ Pleasing Tone Setting

● Pleasing Tone 1

| 1 - 8 | 31 | 0 | 31 | 0 | 31 | 0 | 31 | 0 |
| 9 - 16 | 31 | 0 | 31 | 0 | 31 | 0 | 31 | 0 |

● Pleasing Tone 2

| 1 - 8 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 9 - 16 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |

● Pleasing Tone 3

| 1 - 8 | 14 | 14 | 14 | 18 | 18 | 18 | 22 | 22 |
| 9 - 16 | 22 | 18 | 18 | 18 | 14 | 14 | 14 | 14 |

● Pleasing Tone 4

| 1 - 8 | 12 | 14 | 18 | 22 | 23 | 24 | 26 | 31 |
| 9 - 16 | 31 | 26 | 24 | 23 | 22 | 18 | 14 | 12 |

● Pleasing Tone 5

| 1 - 8 | 22 | 31 | 22 | 31 | 22 | 31 | 22 | 31 |
| 9 - 16 | 14 | 31 | 14 | 31 | 14 | 31 | 14 | 31 |

● Pleasing Tone 6

| 1 - 8 | 18 | 18 | 18 | 18 | 15 | 15 | 15 | 15 |
| 9 - 16 | 21 | 21 | 21 | 21 | 21 | 21 | 0 | 0 |

● Pleasing Tone 7

| 1 - 8 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 9 - 16 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

● Pleasing Tone 8

| 1 - 8 | 29 | 31 | 0 | 0 | 29 | 31 | 0 | 0 |
| 9 - 16 | 29 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |

STEP #3 CALL SOURCE TEXT PROMPT LIST

You have 97 different Call Source Text boxes that you can customize to how you want your pager to display your Fire, Rescue, or EMS station's name when your pager alerts for a call.
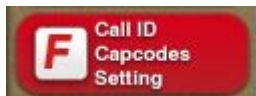

Nothing to do on this setting, move on to next section.

STEP # 4 (CALL ID CAPCODES SETTING)

Call ID Capcodes Setting

▶ Tone Table List

Table	Tone Type	Paging System	Status
1	2Tone	Plectron	Enable
2	None	None	Disable
3	None	None	Disable
4	None	None	Disable
5	None	None	Disable
6	None	None	Disable
7	None	None	Disable
8	None	None	Disable

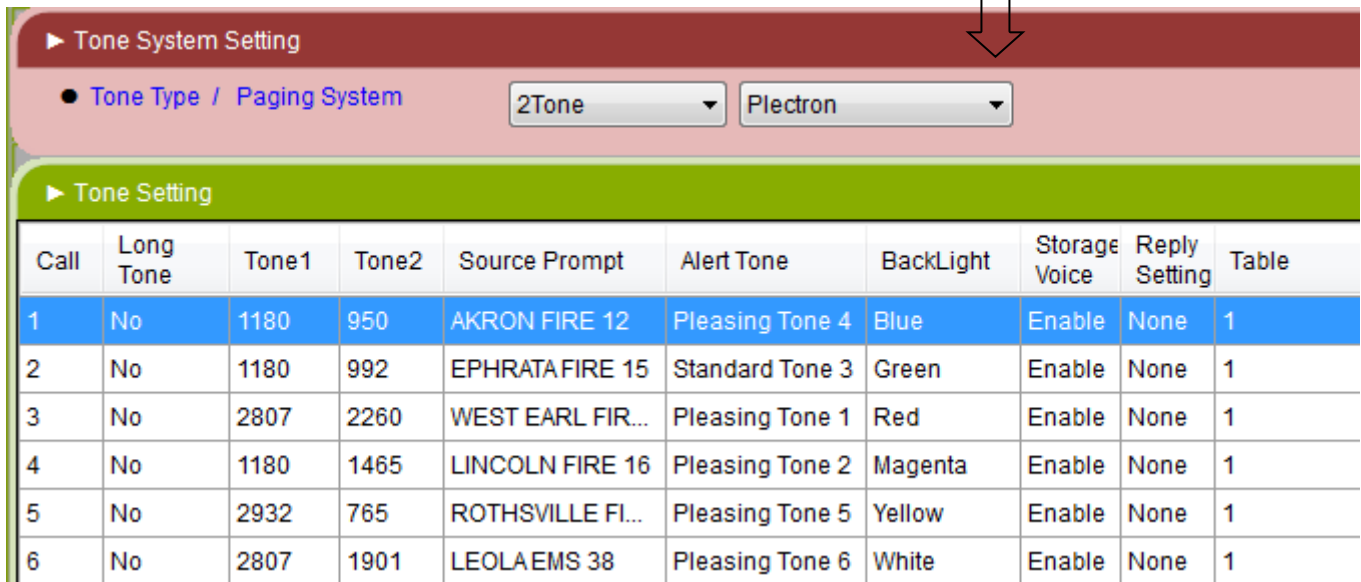**DOUBLE CLICK ON TABLE 1, AND YOU WILL SEE A SCREEN SIMILAR TO THIS.**

▶ Tone System Setting

● Tone Type / Paging System   [2Tone   ▼] [Plectron   ▼]

▶ Tone Setting

Call	Long Tone	Tone1	Tone2	Source Prompt	Alert Tone	BackLight	Storage Voice	Reply Setting	Table
1	No	1180	950	AKRON FIRE 12	Pleasing Tone 4	Blue	Enable	None	1
2	No	1180	992	EPHRATA FIRE 15	Standard Tone 3	Green	Enable	None	1
3	No	2807	2260	WEST EARL FIR...	Pleasing Tone 1	Red	Enable	None	1
4	No	1180	1465	LINCOLN FIRE 16	Pleasing Tone 2	Magenta	Enable	None	1
5	No	2932	765	ROTHSVILLE FI...	Pleasing Tone 5	Yellow	Enable	None	1
6	No	2807	1901	LEOLA EMS 38	Pleasing Tone 6	White	Enable	None	1

DROP DOWN BOX AT ARROW SHOWN. **2 TONE** THIS SHOULD SAY **2 TONE**

Tone System Setting

● Tone Type / Paging System   [2Tone ▼]   [Plectron ▼]

Tone Setting

Call	Long Tone	Tone1	Tone2	Source Prompt	Alert Tone	BackLight	Storage Voice	Reply Setting	Table
1	No	1180	950	AKRON FIRE 12	Pleasing Tone 4	Blue	Enable	None	1
2	No	1180	992	EPHRATA FIRE 15	Standard Tone 3	Green	Enable	None	1
3	No	2807	2260	WEST EARL FIR...	Pleasing Tone 1	Red	Enable	None	1
4	No	1180	1465	LINCOLN FIRE 16	Pleasing Tone 2	Magenta	Enable	None	1
5	No	2932	765	ROTHSVILLE FI...	Pleasing Tone 5	Yellow	Enable	None	1
6	No	2807	1901	LEOLA EMS 38	Pleasing Tone 6	White	Enable	None	1

SECOND DROP DOWN BOX AT ARROW SHOWN WILL BE TO SELECT YOUR TONE TYPE, THIS GETS A LITTLE TRICKY. YOU WILL HAVE TO FIGURE OUT WHAT TONE TYPE OR PATTERN YOUR DISPATCH CENTER USES. HERE IS A TABLE YOU CAN USE TO DETERMINE IF YOU DO NOT KNOW YOUR TONE TYPE.

Paging System	2 Tone		Long Tone (sec)
	Tone 1 (sec)	Tone 2 (sec)	
Motorola	1	3	8
GE	1	1.5	8
Plectron	3	0.25	3
Fast Plectron	0.75	0.25	3
Reach	2	0.7	5
Fast Reach	0.15	0.15	5

MOST DISPATCH CENTERS USE MOTOROLA (1 SECOND - 3 SECOND) TONES. I KNOW LANCASTER COUNTY USES PLECTRON TONES (3 SECOND - 1 SECOND)

NEXT DOUBLE CLICK ON CALL # 1 AT ARROW SHOWN. THIS IS WHERE YOU WILL BE ENTERING THE TONES AND THE SOURCE PROMPTS FOR EACH COMPANIES YOU WANT TO PROGRAM IN YOUR PAGER.

AND YOU WILL SEE THIS SCREEN

ENTER YOUR TONE NUMBERS AT THE RED ARROWS, YOU WILL SEE THAT THESE NUMBERS MIGHT NOT STAY EXACTLY HOW YOU ENTERED THEM, BUT THEY WILL BE CLOSE. YOU CAN ALSO CLICK ON THE **+** SYMBOL AND IT WILL GIVE YOU A TABLE OF NUMBERS TO PICK FROM.

Pick your source prompt, the alert tone, the back light for alerting screen color, and storage voice for recording your calls.

 Channel Parameter Setting
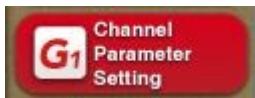
This is where you enter the frequency and the channel alias (name or number) that you want your channel to display. You can also set the bandwidth for narrowband 12KHz if you have VHF. Click on the first channel line, shown with an arrow.

Channel Parameter Setting

Channel	Channel Alias	Status	Band Width	Frequency	Type	Tone Table
1	33.90	Enable	25 KHz	33.90000 MHz	2Tone	2 Tone Table 1
2	33.56	Enable	25 KHz	33.56000 MHz	2Tone	2 Tone Table 2
3	33.68	Enable	25 KHz	33.68000 MHz	None	Null
4	33.64	Enable	25 KHz	33.64000 MHz	None	Null
5	33.72	Enable	25 KHz	33.72000 MHz	None	Null
6	33.46	Enable	25 KHz	33.46000 MHz	None	Null
7	33.60	Enable	25 KHz	33.60000 MHz	None	Null

After clicking on the first channel line you will see this screen. Make sure the Channel is enabled with Yes.

Channel Parameter Setting / Channel 1

► Channel Setting

● Channel Enable   Yes ▼

Channel Parameter Continued: Enter Channel Alias, Enter Bandwidth if it applies, and enter Channel frequency. Squelch type usually does not need to be changed. The other fields do not apply, with the exception of using PL codes. (SEE BELOW at the illustrating ARROWS)

Lowband settings can stay with the CSQ setting or if you do not have PL codes.

If you are programming a highband pager with frequencies that uses PL codes you will have to switch the **Squelch Type** to CTCSS at the drop box as shown illustrated at the green arrows.

The CTCSS Frequency is where you enter your PL code (at the red arrow)

If you have a DPL code you will use **Squelch Type** CDCSS and enter your DPL code at the yellow arrow.

Channel Parameter Continued: Enable all the Call locations that you have Companies en-

tered. This order reflect directly back to: **F** Call ID Capcodes Setting You can also select

which companies you want to be able to switch ON/OFF duty.

Repeat all steps in Section G1 to add more channels.

Channel Signaling MDC Setting This section does not apply.

Manual Scan Relative Parameter Setting

This section can be setup if you would like to use your Unication G1 pager to scan all the frequencies in your pager or if you would like to freescan all the frequencies in the band split you can also set it up for that. Click on the first line.

Manual Scan	Status	Scan Type	Default Setting
1	Enable	Channel Scan	33.68
2	Disable	Free Scan	33 MHz
3	Disable	Free Scan	33 MHz
4	Disable	Free Scan	33 MHz
5	Disable	Free Scan	33 MHz
6	Disable	Free Scan	33 MHz
7	Disable	Free Scan	33 MHz
8	Disable	Free Scan	33 MHz

Enable the Manual Scan and select the scan mode, either Channel Scan or Freescan.

If you want to freescan all the frequencies in your band split you will have to set the start and stop frequency shown by the arrows.

Also don't forget to set the default channel.

Manual Scan Relative Parameter Setting / Manual Scan 1

► Manual Scan Setting

● Manual Scan Enable — Yes

● Scan Mode — Channel Scan

► Channel Scan Function Setting

● Channel Enable List   ● Channel Scan List

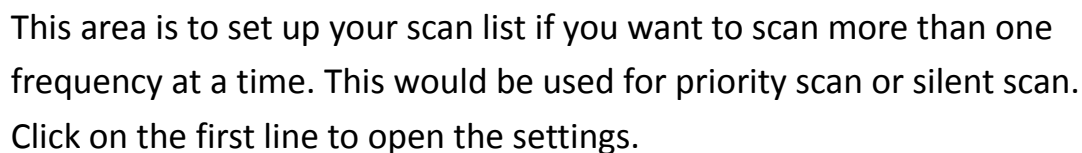Add >>

33.90
33.56
33.68
33.64
33.72
33.46
33.60

<< Delete

● Default Channel — 33.68

► Free Scan Function Setting

● Start Frequency — 40.00000 (MHz)

● Stop Frequency — 40.00000 (MHz)

G₃ Scan List Parameter Setting

This area is to set up your scan list if you want to scan more than one frequency at a time. This would be used for priority scan or silent scan. Click on the first line to open the settings.

Scan List Parameter Setting

▶ Scan List

Scan List	Status	Member1	Member2	Member3	Member4	Member5
1	Enable	33.90	33.56	None	None	None
2	Enable	33.90	33.68	None	None	None
3	Enable	33.90	33.64	None	None	None
4	Enable	33.90	33.72	None	None	None
5	Disable	None	None	None	None	None
6	Disable	None	None	None	None	None

Enable the Scan List, Select the first Scan Channel Member, which is also the Priority Channel if Priority is used in scanning. Add additional channel Members as desired to create your first scan list.

Scan List Option at the bottom, the setting shown are an average setting that can be used. You can change the Check Interval to slower or faster setting if you wish. Repeat the steps to set up additional Scan lists.

Scan List Parameter Setting / Scan List 1

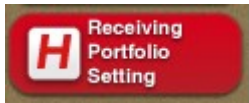**▶ Scan List Setting**
- Scan List Enable — Yes

▶ Scan List Member Setting
- Scan Channel Member 1 — 33.90 — Priority Channel
- Scan Channel Member 2 — 33.56
- Scan Channel Member 3 — None
- Scan Channel Member 4 — None
- Scan Channel Member 5 — None

▶ Scan List Option
- Busy Channel Option — Auto Reset with CSQ
- Hang Time — 1 (sec)
- Priority Channel Check Interval — 1125.0 (msec)

Receiving Portfolio Setting

Click on Zone 1 to Enable.

Receiving Portfolio Setting / Zone and Knob List

▶ Zone List

Zone	Status	Zone Name
1	Enable	ZONE 1
2	Enable	ZONE 2
3	Disable	Zone 3
4	Disable	Zone 4
5	Disable	Zone 5
6	Disable	Zone 6
7	Disable	Zone 7
8	Disable	Zone 8

Enable the Zone, You can change the alert length to determine how long you wish your alert tone to sound. Or you can set the 2 Tone Alert Duration to TONE and then it will only alert for the length of you second tone.

You can select fixed alert if you wish your pager to alert full volume every time.

All these other settings are self explanatory.

▶ Zone Function Setting

- Zone Enable — Yes
- Zone Name — ZONE 1

▶ Zone for Alert Setting

- Alert Length — 2 sec
- Fix Alert — NO
- Voice Message Alert — Standard Tone 1
- Text Message Alert — Standard Tone 2
- Priority Message Alert — Standard Tone 4
- Clock Alarm Alert — Pleasing Tone 8
- Message Alarm Alert — Pleasing Tone 5
- 2 Tone Alert Duration — By Alert Length
- 5 Tone / MDC Alert Duration — 500 (ms)

▶ Zone for Backlight Setting

- Voice Message Backlight — Green
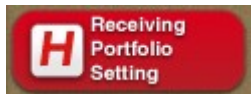- Text Message Backlight — Green
- Priority Message Backlight — Red
- Default Backlight — White

Back to Section **H** again. Scroll down to see the <u>FUNTION SWITCH LIST.</u> This is where you set up all your Knob positions. Click on Knob 1

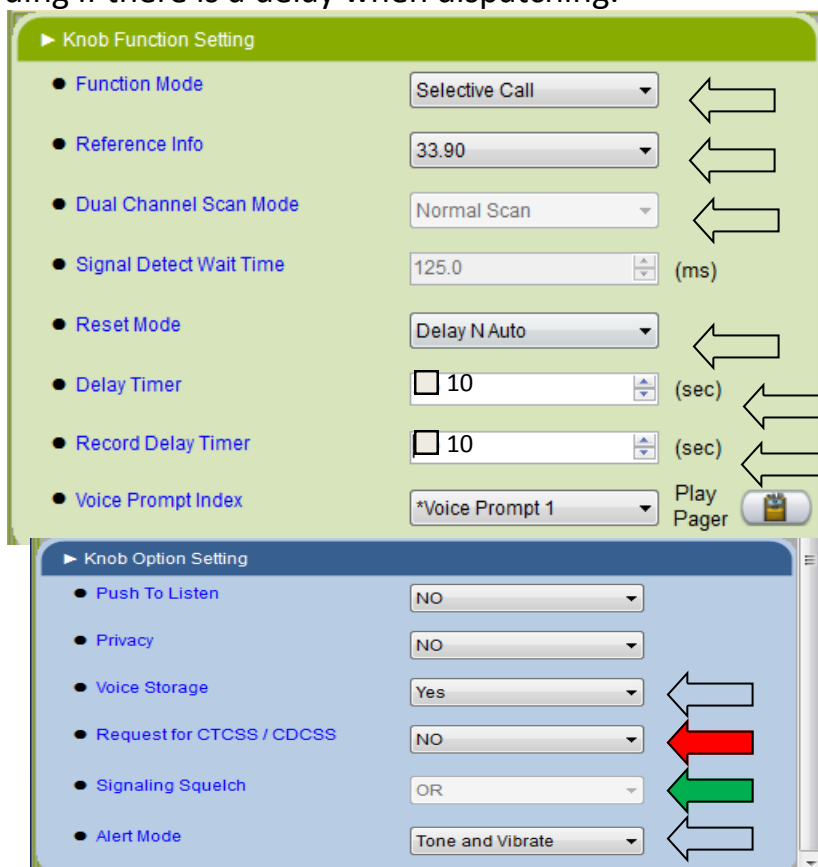| ▶ Function Switch List		
Knob	Function Mode	Reference Info
1	Selective Call	33.90
2	Selective Call	33.90
3	Priority Scan	Scan List 1
4	Monitor Mode	33.56
5	Priority Scan	Scan List 2
6	Priority Scan	Scan List 3
7	Priority Scan	Scan List 4
8	Channel Scan	Manual Scan Channel 1

You will see this screen. First function mode: **Selective call** alert setting. Next set your reference info, which would be a frequency that your pager would alert on, probably your County's dispatch tone. Next **Reset Mode;** Delay N Auto will reset you pager after an alert but will delay the reset for a long as you set the **Delay Timer.** This delay timer is important so your pager does not cut off the recording if there is a delay when dispatching.

You can also select other Function Modes for the other Knob positions, like **Monitor only, Priority Scan, Channel Scan.** Just remember to set you frequency in **Reference Info.**

For **Priority scan** you would be using your scan lists in section **G3**

In **Knob Option Setting** you can select **Push to Listen** if you want to have your pager <u>vibrate only</u> when alerting and only recording the call for you to listen to at another time. This setting can also be called CHURCH MODE.

For **Voice storage** select yes to record your alerts. **Alert Mode** has several options.

▶ Knob Function Setting	
● Function Mode	Selective Call
● Reference Info	33.90
● Dual Channel Scan Mode	Normal Scan
● Signal Detect Wait Time	125.0 (ms)
● Reset Mode	Delay N Auto
● Delay Timer	10 (sec)
● Record Delay Timer	10 (sec)
● Voice Prompt Index	*Voice Prompt 1 Play Pager

▶ Knob Option Setting	
● Push To Listen	NO
● Privacy	NO
● Voice Storage	Yes
● Request for CTCSS / CDCSS	NO
● Signaling Squelch	OR
● Alert Mode	Tone and Vibrate

<u>If your frequencies are Highband and you are using PL or DPL codes you will have to select YES at the red arrow and you will have to select AND at the green arrow.</u>

This is a Programming guide for LOWBAND, VHF, and UHF Unication G1 Pagers. There might be some other options that will have to be used.

This will help out with the majority of the programming questions.

The important part is that you understand which frequencies to use and what they do.

Thank you for choosing

Ray's Pager Sales for your Unication Dealer

717-859-2021

Email RNKZ@ATT.NET

Visit our website www.rayspagersales.com