







Beta Test Sample Version 0.06

PROGRAMMING SOFTWARE MANUAL

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1. SCOPE OF THIS MANUAL

➤ 1-1. INTRODUCTION

The G1 programming software allows for the configuration of Unication G1 Pager.

The programming kits includes below items:

- · Programming cradle
- · Programming mini USB cable
- Pager Programming Software CD (Programming manual included)
- The new programming software and manual will be released on the Unication official website: www.unication.com

➤ 1-2. SCOPE OF THIS MANUAL

This pager programming guide contains below sections to assist you in the use of the G1 Programming Software (PPS):

- · Getting Started:
 - Information about equipment requirements, installation, setup, and use of the software.
- · GetUsing Your PPS:

The sequence of screens used to read and program one or more pager(s).

Programming Menu :

Introductions to all the feature settings in the programming software.

2. GETTING STARTED

The G1 PPS and interface package, combined with a personal computer or laptop, provides the flexibility to program G1 to meet individual requirements. This software has a modern look and ease-of-use operation. To obtain the best results from the product, please take a few minutes to read this instruction guide.

➤ 2-1. EQUIPMENT REQUIRED

· Pager Interface :

This unit provides communication between the computer and the Pager Mechanical Interface. This package includes all cables necessary for connection with the computer and the Pager Mechanical Interface.

· Pager Programming Software:

This software program, designed specifically for the G1 Pager. It is compatible with Windows 2000, Windows XP, Windows Server 2003, Windows Server 2008, Vista and Windows 7. This software program allows you to select the desired information to program into the pager. A CD is provided to facilitate the programming procedure.



Use only the latest model of the Programming Interface to work with the G1 and pager programming software. Use only the Unication-supplied cable for connection between the Pager Mechanical Interface and the Programming Interface. Use of non-approved cables can result in improper operation and or incorrect programming of the pager.

➤ 2-2. EQUIPMENT SETUP

Please follow below steps for setting up the programmer:

STEP1: Connect the mini USB cable to the programmer interface and the PC. STEP2: Preparing G1 for Reading or Programming.

- Place the pager (*The pager must be turned on.) in the upright position plugged into the programming station.
- Ensure the pager is tight in the programming station, and the pager is connecting with the computer and ready to be read or programmed. LED on the programmer will turn on with RED.
- While the programmer is reading or programming the pager, the solid RED LED will flash.
- After the programmer reads or programs the pager, the pager will reset, turn on automatically and generate an alert.
- To read or program the pager again, please make sure the alert stops and the pager is on.

➤ 2-3. SOFTWARE INSTALLATION

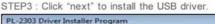
The G1 programming software CD includes the G1 PPS SETUP file which is included of installing USB driver and PPS. Please follow up the steps as below.

2-3-1. Install USB driver

STEP 1: Double click "Driver Setup" icon to start the installation. Please ensure to install the USB driver before connecting G1's programmer.

STEP 2: Click "Install" to enter the next screen.







STEP4: The installation is complete now. Please click "finish" to leave the screen.



2-3-2. Install the G1 PPS

STEP1: After the steps of chapter 2-3-1, the program will continue to setup G1 PPS.

The installation is complete now. The PPS will automatically run after clicking "finish" to leave the screen. Now user can start to use the



➤ 2-4. BASIC LAYOUT

The G1 PPS uses a graphical interface that supports both a mouse and/or a keyboard. Refer to Figure 1.



Figure 1. G1 PPS Desktop Screen

1. Title bar :

Located above the Tool bar, contains the title names of the program of the program, codeplug, Unication company website, PPS version number, Help File that provides user with detailed introductions of each function in PPS.

2. Tool bar I:

The area displays User Manual, Programmer Com port and Login Password setting, edit a codeplug file, edit group codeplug file, edit a codeplug from a pager, clone a codeplug to G1.

3. Tool bar II:

The toolbar contains the basic file and program operations and outputs information of codeplug in an excel file.

4. Features Area:

All the features that G1 PPS provides will be display in this area.

5. Desktop Area:

The main portion of the screen, most of the interaction occurs during programming. All dialog and message boxes activated from the tool bar and their status is displayed on the desktop.

6. Help Area:

The area displays different descriptions for each item in the desktop.

3. Using Your PPS

➤ 3-1. OVERVIEW FOR PROGRAMMING A PAGER

To read and program your pager, please follow these steps:

- 1. Use the Tool Bar I to start a new codeplug.
- 2. Enter information in the desktop screens.
- Choose the program option from the Tool Bar II.These steps are shown graphically in Figure 2:

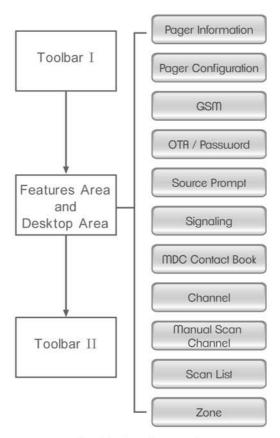


Figure 2. Basic Steps in Programming a Pager

➤ 3-2. INTRODUCTION SCREEN

The first page after starting the software. User will see the introduction of the G1 PPS by clicking "Introduction" icon. Each task is explained in details as you continue through this manual. User can also enter "User Manual" in the Tool Bar I o open it.





➤ 3-3. TOOL BAR I

3-3-1. PPS Setting

In this section, there are two settings for user:

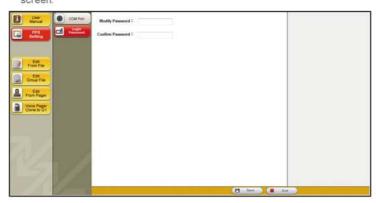
1. COM Port Setting

This screen allows you to select a right COM Port to connect the programmer and PC. Click "Save" to store the setting.



2. Login Password Setting

In the section, user can set up one password each time entering the software. The default password is 12345678 and can be changed on this screen.



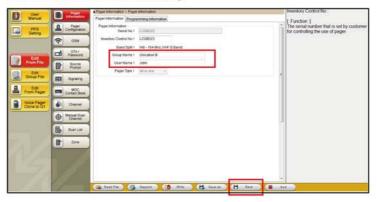
3-3-2. Edit from File

As selecting "Edit from File" on Tool BarIand clicking "Read File" on Tool BarII, the software will load an existing codeplug from disk storage. Choose the codeplug from the list or enter the name on the input line. Click Open to load the file. You can also press function key"F5" which has the same result.

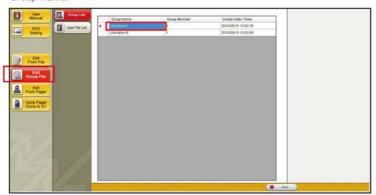


3-3-3. Edit Group File

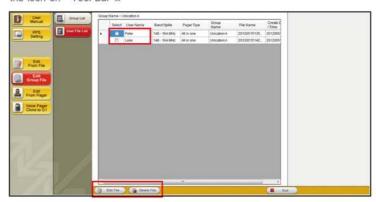
- G1 PPS let users built up a group coding table to manage all individual codeplug files which assist user to find proper codeplug accordingly.
- 1. First, please enter "Group Name" and "User Name" in Pager Information Tab and click "Save" to save the codeplug.



2. To edit the group codeplug, go to "Edit Group File" and click one of the Group Name.



3. Then, user can find the list of codeplugs and information for user name, band split, pager type, group name, file name and create date&time. To edit or delete each codeplug, please check the box in the "Select" column and click the icon on " Tool Bar Π "



3-3-4. Edit from Pager

Please place the pager in a programming cradle and ensure the pager is tight in the cradle. After selecting this and clicking "Read Pager" on Tool Bar Π , the software will begin to read a codeplug from the pager.



3-3-5. Voice Pager Clone to G1

In this section, user will follow the steps as below to clone codeplug data to G1:

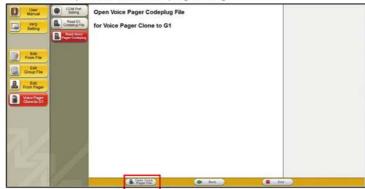
STEP1: Make sure to select Com Ports of the other voice pager and G1. The two Com Ports must be different. Click "Next" to move to next step.



STEP2: Click "Read G1 file" to open G1 codeplug file which is saved beforehand in computer. Click "Next" to move to next step.



- STEP3: Click "Open Voice Pager File" to convert the current codeplug into G1's codeplug. After the step, user would see "Voice Pager Codeplug converts to G1 successfully". It means the conversion is done.
- User can continue editing the codeplug and then click "Write" in the Toolbar II to proceed the further programming.



➤ 3-4. TOOL BAR II

Please see the Tool Bar II screen as shown below. There are six icons on Tool Bar II:



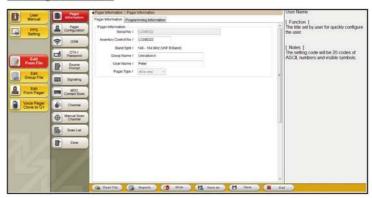
- 1. Read File: Open codeplug file in a computer or laptop.
- Reports: Open another window to display information of the codeplug. In the window, user can output the information to an excel file
- 3. Write: Clicking the item will proceed the programming immediately.
- 4. Save as: To save a codeplug in customer's designated path and file name.
- Save: Clicking the item will create a file in Unication's defaulted path on disk with an extension of .CP. This file contains all current codeplug settings.
- 6. End: Clicking the item will end the current setting and back to main screen.

4. Programming Menu

➤ 4-1. Pager Information

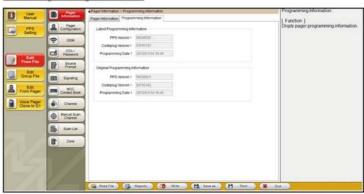
Pager Information provides the basic information for the Pager Programming Software, Manufacturing Data and Pager Configuration. There are two tabs for the basic settings.

4-1-1. Pager Information



Field Name	Description
Serial No.	Serial numbers of the G1 are provided.
Inventory Control No.	A customer defined field consisting of up to 10 codes of ASCII, numbers and visible symbols.
Band Split	This field indicates the band split of the pager operation.
Group name	A customer defined field consisting of up to 19 alphanumeric characters.
User name	A customer defined field consisting of up to 19 alphanumeric characters.
Pager Type	The current model type of the G1 voice pager.

4-1-2. Programming Information



Field Nan	ne	Description
Latest Programming Information	PPS Version	Display of the PPS version using in the last programming.
	Codeplug Version	Display of the codeplug version using in the last programming.
	Programming Date	Display of the date using in the latest codeplug programming.
Original	PPS Version	Display the PPS version of G1 when it left the factory.
Programming Information	Codeplug Version	Display the Codeplug version of G1 when it left the factory.
	Programming Date	Display the date of the codeplug that was programmed in G1 when it left the factory.

➤ 4-2. Pager Configuration

Pager Configuration provides the settings of the basic functions. There are 2 tabs including of all the required settings.

4-2-1. Default Setting

This tab provides the related settings for the Menu operation.



Field Name	Description
Menu Timeout	The pager will return to standby status when the
Menu Timeout	user's operation stopped, setting between 8~30 sec.
	The backlight function will activate when user is
Backlight Timeout	operating G1, and the parameter of deactivating time
	of backlight is between 8-30 sec.
Default Zoom Mode	Set the default display of font, which include 2 types:
	Zoom in and Zoom out.
Default LCD Contrast	Set the default LCD contrast, which include 10 scales,
Default LOD Contrast	from the lightest 1 to the darkest 10.
Default Zone	Set the predetermined Zone.
Default SQ Level	Set the predetermined SQ Level. Three options are
	provided: Good RF Sensitivity, Normal, Good Voice
	Quality.

Field Name	Description
Default Time Format	Set the predetermined time format:12 hr/24 hr
Default Date Format	Set the predetermined date format: YY/MM/DD, MM/DD/YY,DD/MM/YY
Auto Alarm Turn On	Set whether to turn on/off automatically in alarm time when pager is under auto power off status.
Screen Off	Set whether or not to turn off LCD under standby status.
Storage Voice Compress	The received voice message will be stored with compressed format.
Voice Message Recording Limit	User can select the following options: 15 secs, 30 secs, 60 secs, 120 secs or 240 secs. Once user selects one of them, the device will stop recording accordingly. If user selects "None", G1 will record voice message until user stops, or the memory is full.
Duplicate Text Message	When this feature is enabled, the pager will indicate when duplicated text message is received.
Sequential Lockout Period	Determine the sequential lockout time period. The setting is between 8 secs ~5 mins.
Auto On/Off	Enable Auto On/Off function.
Duty On/Off	Enable Duty On/Off function.

4-2-2. Alert Setting

This tab displays the related features of the alerts.



Field Name	Description
Pleasing Alert Configuration	The User can create a unique message received alerting sequence by selecting one of 16 different sounds. Each sound is determined by a numerical value and has duration of 1 second with a gap of 1/16 second between tones. One second or greater gaps between tones can be programmed by not entering a numerical value in any of the 16 slots.
Reminder Alert Interval	Determines the time interval between unread message reminder alerts. The setting is between 2~60 mins.
Reminder Alert Timeout	Determines the time frame the reminder alert is enabled after receipt of a message. A newly received message will reset this timer. The setting is between 2-60 mins.

➤ 4-3. GSM Settings

GSM Setting provides user to edit information for the GSM option, ACK (Acknowledgement) function, contact information and emergency call settings, etc. There are 5 tabs for the basic settings.

4-3-1. GSM Options

This tab displays the GSM setting options:



Field Name	Description
GSM Enable	Click he check-box to enable the GSM feature.
Unique ID	ID of the pager. Unique ID is a recognition for ACK back, the setting is 4 codes, every code will be 0-E.
PIN Code	Click the check-box to enable the PIN code request.
PIN No.	Edit the requested pin code. The PIN code must be referred to the inserted GSM SIM card.
Reply Retry Count	Set the retry times of failed delivering message. The retry times could be 50 at most with the first reply included.
Reply Retry Interval	Set the interval time for retry, and the time will start to countdown when there's a failed delivering message. The setting is in 30 secs to 50 mins.

Field Name	Description
Reply Retry Timeout	Set the duration time between 1-100 mins for reply.
reply itelly filleout	When the duration time is out, the reply will stop.
	To select whether to enable GPRS. When using
GPRS Enable	GPRS for ACK, open the function for setting GPRS
	parameters.
GPRS ISP Name	Set the ISP name of GPRS.
GPRS APN	Set the name of GPRS Access Point.
GPRS User Name	Set the user name of GPRS.
GPRS Password	Set password of GPRS.
Power On/Off ACK	Enable Power On/Off ACK function.
Duty On/Off ACK	Enable Duty On/Off ACK function.
Out Of Range	Enable Out Of Range Dummy Message ACK function.
Dummy Message Duration	The period that G1 Console sends Out-of-Range Dummy Message. For example, if a user set this item as 60 minutes, G1 should receive one Out-Of-Range Dummy Message every 60 minutes sent by G1 console.
Dummy Message Interval	The function is used for telling from which Out-Of-Range Dummy Massage is valid. Due to it's possible for G1 to receive repeated messages in a certain period, but they should be counted as the same one message. Therefore, here is to decide the time for receiving repeated messages.

Field Name	Description
	When G1 is in paging signal coverage, if G1
	continuously doesn't receive certain times of Dummy
	messages, G1 will be defined as the status of out of
	paging signal coverage. At the same moment, G1 will
	send an Out-Range message through GSM to G1
Dummy Message Out	console to notify the console that G1 is out of paging
(EL) (EV)	signal coverage. Here, the item is to set how many
Range Count	continuous times should be counted.
	For example, G1 is in paging signal coverage now. If
	user sets 5 as continuous times, it means that once
	G1 can't continuously receive Dummy messages up
	to 5 times from G1 console, G1 will be defined as the
	status of being out paging signal coverage.
	When G1 is out of paging signal coverage, if G1
	continuously receives certain times of Dummy
	messages, G1 will be defined as the status of being
	in paging signal coverage. At the same moment, G1
	will send an in-Range message through GSM to G1
	console to notify the console that G1 is in paging
Dummy Message In	signal coverage.
Range Count	Here, the item is to set how many continuous times
	should be counted. For example, G1 is out of paging
	signal coverage now. If user sets 5 as continuous
	times, it means that once G1 can continuously
	receive Dummy messages up to 5 times from G1
	console, G1 will be defined as the status of being in
	paging signal coverage.
Status Bank Satting	When enable the function of status reply, this is to
Status Reply Setting	decide to reply which setting.

Field Name	Description
Message Resend	Set the interval time for each resend message.
interval	11.0

4-3-2. GSM Can Message

G1 PPS provides 40 GSM can messages for administrators to edit the SMS messages which will be used for the GSM acknowledgement.



Field Name	Description
GSM Can Message Version	Assign the canned SMS message version with 3 digits for matching the SMS table in G1 Voice Pager Console.
GSM Can Message	Edit the acknowledgement short message in the column. The edited message will be shown on the GSM ACK Settings screen as the reply message options. The limitation of the SMS message is 18 characters.

4-3-3. GSM Contact Book

G1 provides 6 settings for GSM contact phone numbers or IP address(IPv6), 1 emergency phone setting and 1 message resend setting. The edited options



Field Name	Description
	Set GSM type as telephone number or GPRS: When
Туре	a number is set as GPRS, it can't be assigned as an
	emergency call.
Phone Alias	To assign the GSM contact aliases with 15
Phone Alias	characters.
IPv6	When GSM type is selected as GPRS, please put a
	tick on the IPv6 item if using it for ACK connection.
	GSM Phone No.: To set the GSM phone number for
	GSM ACK and Emergency Call according to the local
Phone Number/IP	GSM dialing method.
THORE HAMBOUN	IP: Internet Protocol: When GSM type is selected as
	GPRS for ACK connection, please fill in correct IP
	address. ACK can't connect if IP address is wrong.
	When GSM type is selected as GPRS for ACK
Port	connection, please fill in correct Port Number. ACK
	can't connect if the Port Number is wrong.

4-3-4. ACK Settings

In the ACK Settings, G1 PPS provides 6 options for the related GSM settings.

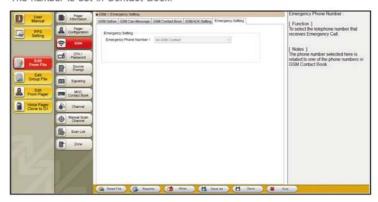


Field Name	Description
	To select the telephone number for GSM ACK. The
Phone Alias	phone number selected here is related to one of the
	phone numbers in GSM Contact Book.
	To determine the ACK type to the desired option.
	1. Auto ACK
	The ACK messages are sent automatically.
ACK Type	2. Manual ACK
	The ACK messages are selected and sent by the
	pager user.
	3. Auto ACK and Manual ACK
	G1 will execute both Auto ACK and Manual ACK.
	To determine the ACK type to the desired option.
	1. Auto Resend
	When G1 receives paging but finds no voice
Resend Type	messages, G1 will automatically acknowledge to the
	Uni Voice Pager Console and request it to resend
	the message through GPRS network.

Field Name	Description
	2. Manual Resend
	G1 lets user manually acknowledge to the Uni Voice
	Pager Console and request it to resend the message
	through GPRS network. As the voice message is
	received, the "Resend" icon, will show on the toolbar
Resend Type	of G1 and then user can press the icon to resend the
	message.
	3. Auto Resend and Manual Resend
	G1 will execute both Auto Resend and Manual
	Resend.
Time Out	To determine a time limit for the ACK message
	transmission. When the default timeout expires, the
	GSM module will be turned off, and the pager user is
	not able to send the ACK message.
Reply Message	To assign the ACK messages by selecting among
	the GSM messages which are edited in the GSM
	Message.

4-3-5. Emergency Setting

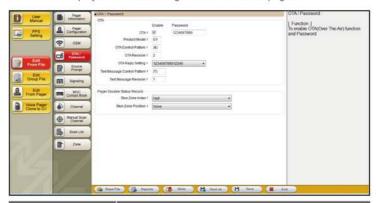
In the Emergency Settings, select one number as an emergency phone number. The number is set in Contact Book.



Field Name	Description
	Assign the telephone number by clicking the
Emergency Phone	pull-down menu and select among the options which
Number	are programmed in the "GSM Contact Book" to the
	Emergency Call.

➤ 4-4. OTA / Password

This screen displays the OTA setting information of the pager.

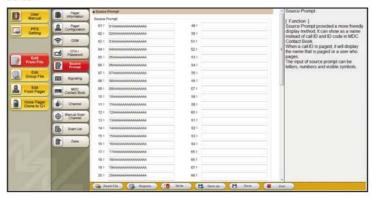


Field Name		Description
	OTA Enable	Click to enable Over The Air programming.
OTA Password Product Model OTA Control Pattern OTA Revision		This password is required for the pager to receive OTA commands. Allowable characters are 0-9, upper/lower case a-z.
	1711 Versite 50 01	Assign the product model which is using for comparing the OTA command.
	Control	The judging basis is when to receive an OTA message. When message header is the same as OTA control pattern, it will signify you have a received message. Set 3 codes of password and the allowable range is ASCII 0x21 ~0x7E. Please do not conflict with regular message.
	This shows the acceptable OTA Message transmission format of G1 Pager: The pager will operate OTA message receiving procedure by 1-255 numbers set by Console system once the revision format matches this setting.	

Fiel	d Name	Description
ОТА	Text Message	Assign the proprietary code (ASCII 0x21 ~0x7E) of the normal text message.
	Control	When the G1 receives the message with
	Pattern	"Text Message Control Pattern", the received message will be identified as normal text message.
	Text Message Revision	Determinate the version of "Text Message Pattern".
	OTA Reply Setting	As user processes the OTA function, the item refers to the IP setting in GSM Contact Book.
Pager Disable Status Record	When the user is forbidden to use the pager, the control center may stun the pager via OTA command. The channel that can be stayed, to choose a stun Profile (or Zone) index and switch position.	
	Stun Zone Index	Click the pull-down menu to select the desired profile (or Zone) to limit the message receiving.
	Stun Zone Position	Click the pull-down menu to select the desired function switch to limit the message receiving.

➤ 4-5. Source Prompt

G1 PPS provides a source prompt table which includes 96 items and an All Call to arrange all the possible source prompts. The edited source prompt will be displayed as the options for all kinds of alias settings in different function screen.



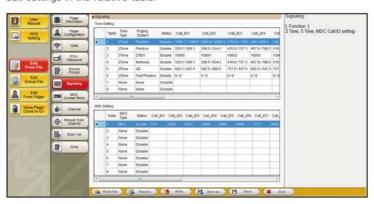
Field Name	Description
	G1 PPS provides 96 options and one all call for
Source Prompt	pre-editing the source prompt (with the max. 19
	characters). Source Prompt provided a more friendly
	display method- It can show as a name instead of
	call ID and ID code in MDC Contact Book. When a
	call ID is paged, it will display the edited Source
	Prompt as name of the ID so that G1 can know who
	is paging. The input of source prompt can be letters.
	numbers and visible symbols.

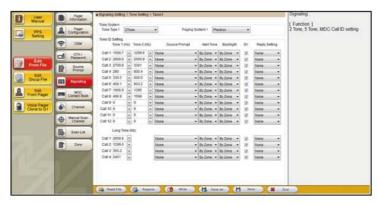
➤ 4-6. Signaling Settings

G1 supports receiving 2 tone, 5/6 tone for voice message and MDC messages. In Signaling screen, it is separated for the Tone Settings and the MSK settings.

4-6-1. Tone Setting

With different tone type and different running paging system in the field, the required settings will be different. Before the signaling settings, please confirm the used tone type and paging system. In the screen as below, user can see 8 signaling table for Tone setting. User clicks each row in the Tone setting to edit settings in the relative table.





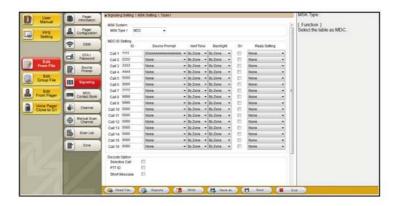
Field Name		Description
Tone Type		Click the pull-down menu to select the tone type. Options are 2 Tone and 5 Tone. The required settings will be displayed followed by the selected tone type.
Paging System		Refer to the different tone types, there are 4 major paging systems to apply the different tone table.
selective		tting determines the pager reaction while receiving all messages. In Tone ID Setting column includes 6 the related settings are refer to the assigned ID.
Tone ID Setting	ID	Assign the 2 Tone or Long Tone to each ID. Each 2 Tone ID Table supports twelve 2 Tone ID and four Long Tone ID options. Assign the tone ID by clicking + to expand the tone table. Then click the check-box to select the desired tone. To fill in the tone frequency manually is also allowed.
	Source Prompt	The source prompt is assigned to an ID. It will be displayed when receiving a selective call. Click the pull-down menu to select among the pre-edited source prompt.
	Alert Tone	User can set the alert pattern which will play accordingly when the Call ID is paged. If the setting is "None", it will be played based on alert in "Zone setting".
	Backlight	User can set color of backlight which will display accordingly when the Call ID is paged. If the setting is "None", it will be displayed based on color of backlight in "Zone setting".

Field Name		Description
Tone ID	Storage Voice (SV)	To designate whether the store voice would be activated while receive the voice message by click the check-box.
Setting	Reply Setting	Assign the GSM phone number to the desired ID. When the pager receives the selective call of the desired ID, the ACK message will be sent through the selected GSM phone option.

4-6-2. MSK Setting

MSK Settings provide the related settings to the MDC parameters. There are 16 call IDs are provided for user to edit. In the screen as below, user can see 8 signaling tables for MSK setting. User clicks each row in the MSK setting to edit settings in the relative table.





Field Name		Description
MSK Type		Designate whether the MSK would be activated by clicking the pull-down menu to select MDC.
	Call ID	Assign a 4-digit (0~9;A~E) code to each MDC ID.
	Source Prompt	The source prompt is assigned to an ID. It will be displayed when receiving a selective call. Click the pull-down menu to select among the pre-edited source prompt.
MDC ID	Alert Tone	User can set the alert pattern which will play accordingly when the Call ID is paged. If the setting is "None", it will be played based on alert in "Zone setting".
	Backlight	User can set color of backlight which will display accordingly when the Call ID is paged. If the setting is "None", it will be displayed based on color of backlight in "Zone setting".
	Storage Voice (SV)	To start recording voice message when receive selective call from this ID.
	Reply Setting	To set which GSM is to make GSM ACK when receive selective call from this ID.

Field Name		Description
	To assign the decode functionality to the selected MSK.	
Decode Options	Selective Call	Set whether or not to activate Selective Call.
	PTT ID	Display on PTT ID screen when receives PTT ID signal.
	Short Message	Set whether or not to receive short message.

➤ 4-7. MDC Contact Book

G1 supports receiving MDC text messages. When receives the MDC messages, the G1 will display the message source prompt on the LCD and PPS provides 50 options for editing the MDC source ID and alias.



Field Name	Description
	If receive a Umdc ID after a uMDC selective call,
MDC Source ID	then displays the source prompt of the ID.
	Umdc ID: 4 digits(0~F)

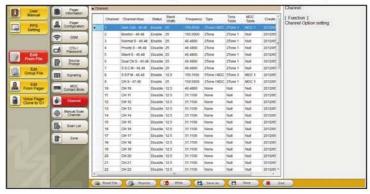
Field Name	Description
	When G1 receives a MDC selective call, the source
Source Prompt	prompt will be displayed. Assign the source prompt
	by click the pull-down menu to select among the
	options which are edited in the "Source Prompt" to
	the desired MDC ID.

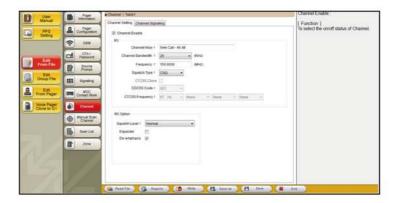
➤ 4-8. Channel Settings

To receive the voice message, text messages or monitor a certain channel, G1 provides users with maximum 64 channels which are set in PPS.

4-8-1. Channel Setting

In the screen as below, user can see the table showing settings of 64 channels. User can have a quick review on settings of each channel. User clicks each row in the channel setting to enter the channels for editing.





Field Name		Description
Channel Enable		Click the check box to enable the selected channel.
Channel Alias		Assign the channel prompt to the selected channel. The channel prompt is with the maximum limitation of 20 characters selected from ASCII list.
Channel Bandwidth		Designate the bandwidth to each channel. Click the pull-down to select either 12.5KHZ or 25KHZ.
Frequency		Assign the frequency to the desired channel, the frequency must be within the supported frequency range of the pager.
	Designate	the squelch type to the desired channel.
RX Squelch Setting	Squelch Type	Designate the squelch type to the selected channel. Click the pull-down menu to select among the options, carrier squelch, CTCSS or CDCSS. The related parameter will then display to complete the settings.
	CTCSS Clone	As selected, the following four CTCSS Frequencies and CTCSS Code will be displayed for setting.
	CDCSS Code	Set CDCSS parameter when the squelch type is CDCSS, select one set of CDCSS code.

Field Name		Description	
Option	Squelch Level Expander	Set the default squelch level of this channel, which contains 3 levels of configuration: Good RF Sensitivity, Normal, Good Voice Quality. Set whether or not to open the expander feature.	
	De-emphasis	Set whether or not to open the feature of De-emphasis.	

4-8-2. Channel Signaling

This image displays Channel signaling setting options:



Field Name		Description
	The signal receiving setting for the channel tone.	
Signaling Tone Setting	Signaling Tone Type	Set the signal receiving mode of channel tone. The signal receiving modes are 2 tone or 5 tone.
	Reference Tone Table	Select a tone ID table corresponding to tone type as an ID of selective call.
	Call(N) Enable	Set the selective ID that is in tone table of the channel, the selected ID will receive message only when decoding the same ID, if not, it won't receive the message.

Field Name		Description
		Select the duty on/off status of selective ID of
	Call(N)	tone table in the channel. Once user checks
	Duty	"Duty Off" and receives a message of the ID, the
	On/Off	pager won't play alert and voice, and will only
		reminds the user with LED and LCD display.
		Select the on/off status of Priority Alert feature
	0 - 8/8/0	of selective ID in tone table of the channel, if the
Signaling	Call(N)	feature is on and receives a message of selective
Tone	Priority	ID, the pager will mandatory play priority alert even
Setting		the setting is on vibrate or silent mode.
Setting		Set Dummy message ID used for Out Of Range
		ACK function in the channel of Tone Table :
	Call(N)	When marking the ID, G1 will go to receive the
	OOR	message as receiving the same ID. When not mark
		the ID, G1 won't go to receive the message which
		has the ID.
	Call(N) OTA	Set ID used for OTA function in the channel of
		Tone Table :
		When OTA is enabled, if the received ID is paged,
		it will implement OTA.
	Signaling	To set the signal receiving format of this channel
	MSK Type	is MDC.
Signaling	Reference	To set the MSK ID Table of MSK Type as an ID of
MSK	MSK Table	selective call.
Setting		Set the selective ID that is in tone table of the
	Call(N)	channel, the selected ID will receive message only
	Enable	when receives the same decoded ID, if not, it
		won't receive the message.

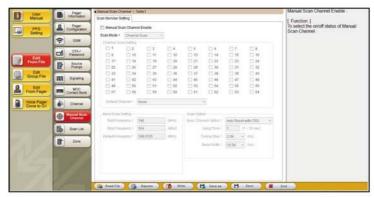
Field Name		Description
Signaling MSK Setting	Call(N) Duty On/Off	Select the duty on/off status of selective ID of MSK table in the channel. Once user checks "Duty Off" and receives a message of the ID, the pager won't play alert and voice, and will only reminds the user with LED and LCD display.
	Call(N) Priority	Select the on/off status of selective ID in MTK table of the channel, if the feature is on and receives a message of selective ID, the pager will mandatory play priority alert even the setting is on vibrate or silent mode.
	Call(N) OOR	Set Dummy message ID used for Out- of-Range ACK function in the channel of MSK Table: When marking the ID, G1 will go to receive the message as receiving the same ID. When not mark the ID, G1 won't go to receive the message which has the ID.
	Call(N) OTA	Set ID used for OTA function in the channel of MSK Table: When OTA is enabled, if the received ID is paged, it will implement OTA.

➤ 4-9. Manual Scan Channel Settings

The menu scan channel can operate monitor feature by manually scan to select a channel or frequency. This feature can set a frequency interval or selected channel list. The user can therefore stay on the frequency or channel which user wants to monitor is being detected.

In the screen as below, user can see the table showing settings of 8 manual scan channels sets. User can have a quick review on settings of the 8 sets. User clicks each row to enter the set for editing.



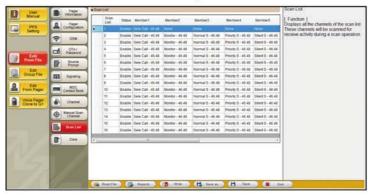


Field Name		Description
Manual Scan Channel		To select the on/off status of Manual Scan
Enable		Channel.
Scan Mode		1. Channel Scan: (Apply to Select Single Channel Monitor Mode The Channel List that is set manually by user, user can stay on this channel for channel monitor when a desired channel has been scanned. 2. Band Scan: (Apply to Select Single Frequency Monitor Mode User sets the frequency interval manually and then the user can stay on and monitor the frequency.
Channel Scan	Channel Selection	To select the specific channels for being scanned. Select the desired channel in available channels.
Setting	Default Channel	To set the initial channel when do scanning, it will scan by the order of checked channels.
	Start Frequency	Set the minimum frequency in a scanning range. "Start Frequency" must be less than "Stop Frequency" and in range of the pager's band split.
Band Scan Setting	Stop Frequency	Set the maximum frequency in a scanning range. "Stop Frequency" must be more than "Start Frequency" and in range of the pager's band split.
	Default Frequency	To set the initial frequency to begin scanning (Between Start and Stop)

Field Name		Description
	To set the reaction when frequency or channel scanning.	
		Busy Channel Option is to determine whether
		the G1 should stop scanning.
		There are 3 options for the selection.
		1. Stop:
		Stop Scanning when any signaling is detected
		on a certain channel (Carrier Squelch Off).
		2. Auto Reset with CSQ:
	Busy	Stop Scanning when any signaling is detected.
	Channel	The G1 will stay on the channel for a default
	Option	hang time, if the signaling is continuously
		detected, the G1 will still stay on the channel
		until the signaling fades out.
Scan Mode		3. Auto Reset without CSQ:
		Stop Scanning when any signaling is detected.
		The G1 will stay on the channel for a default
		hang time, when the hang time expires, the G1
		will return scanning.
	Hang Time	While scanning, Hang Time is a timer to allow
		the G1 stay on a channel when any signaling is
		detected (Squelch OFF). When the Hang Time
		expires, the G1 will continuously scan the other
		channels.
	Tuning Step	When it's selected "Frequency scan" as
		"Auto Scan", Tuning Step is the
	2019 55 W1055	"Frequency Step" that jumps to next frequency.
	Bandwidth	Select the Operating Bandwidth.

➤ 4-10. Scan List

G1 PPS provides user with 16 scan lists for them to refer. These channels will be scanned for receiving activity during a scan operation. In the screen as below, user can have a quick review on settings of the 16 scan lists. User clicks each row to enter the list for editing.





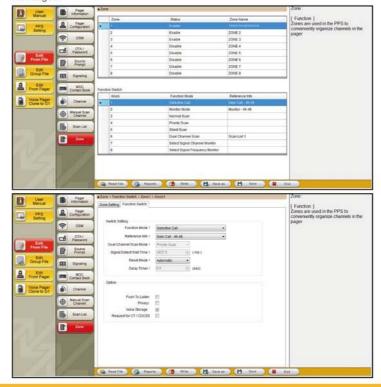
Field Name Scan List Enable		Description To select the on/off status of Scan List.
Scan Option	Busy Channel Option	Auto Reset with CSQ: When there is signaling transmitted on the scanned channel (CSQ off), the pager stays on the current channel and broadcasting the voice message. After a given seconds (Hang Time), the pager will return scanning, unless there is still signaling transmitted. Auto Reset without CSQ: When CSQ Off the pager will stay at the current channel for N seconds then return scanning.
	Hang Time (sec)	When the pagers scan any signaling, it will stay on this channel for N seconds. The Hand Time options are from 1 second to 15 seconds.
	Priority Channel Check Interval (ms)	This setting is applied for Priority Scan Mode, to determinate the time period of checking back Priority Channel when it stays on Non-Priority Channel.

➤ 4-11. Zone Settings

G1 provides 8 zones for dividing the different group on receiving messages. There are 8 function switches programmed in each Zone. Refer to the function switch, G1 will activate the programmed mode on receiving messages. In each "Zone" setting, there are related settings separated in two tabs.

4-11-1. Function Switch

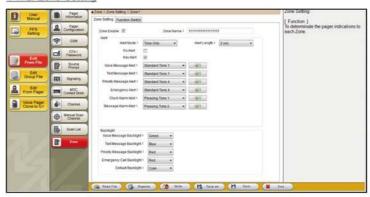
In the screen as below, user can first see the table showing settings of 8 zones. User can have a quick review on settings of them. Then, user clicks each row to see the relative function switch. Each zone supports 8 Function Switches (Knob 1~ Knob 8). Clicking the rows on each function switch is able to edit the settings. Zone settings include all the related indications of receiving messages.



Field Name	Description
	Assign the message receive mode to each
	function switch. There are 8 options for
	Message Receiving Mode:
	1. Selective Call
	2. Monitor Mode
Function Mode	3. Normal Scan
	4. Priority Scan
	5. Silent Scan
	6. Dual Channel Scan
	7. Select Signal Channel Monitor
	8. Select Signal Frequency Monitor
Reference Info	Designate the attached scan list for receiving
Treference into	message to the selected channel.
D 101 10 11 1	When Dual Channel Scan Mode is selected, this
Dual Channel Scan Mode	item will be released for selection.
	Designate the idle time period for detecting
Dual Channel Scan Mode	signaling on one channel when Silent Scan Mode
	is activating.
	Reset Mode is to stop voice recording and turn
	off speaker. Assign the default reset mode to
	the selected switch. Following 6 Reset Mode are
	optional:
Reset Mode	1. Automatic Reset
	2. Delay N Auto Reset
	3. Revert Reset
	4. Timeout Reset
	5. Manual Reset
	6. Delay N Revert Reset
Delay Timer	Determinate the delay timer for the reset mode.

Field Name		Description
Options	Push To Listen	When Function Mode is set as Selective Call or Silent Scan Mode and the pager receives messages, G1 will alert, to broadcast voice message by pressing RESET KEY.
	Privacy	When Function Mode is set as Selective Call or Silent Scan Mode, press RESET KEY to monitor the current channel is prohibited.
	Voice Storage	If enabled, the G1 store voice message when the selected receives voice message.
	Request for CTCSS/CDCSS	Determinate whether CTCSS/CDCSS signaling is requested to the selected channel.

4-11-2. Zone Setting



Field Name	Description
Zone Enable	Click the check-box to enable the selected zone. The related parameters of the selected zone will be shown.
Zone Name	Assign the name, which is with 18 characters limitation, to each selected Zone.

Field Name		Description
	Alert Mode	Click the pull-down menu to select among the default alert options. The options are: 1. Tone Only 2. Tone and Vibrate 3. Vibrate then Alert 4. Vibrate Only 5. Silent
	Alert	Determinate the alert duration of the message alerts.
	Fix Alert Enable	Determinate the default alert volume is the loudest level by click the check-box to enable the "Fix Alert".
	Key Alert Enablele	Click the check-box to enable the "Key Tone".
Alert	Voice Message Alert	Determinate the alert tone patterns of voice message alert. Click "Play" to play the selected alert tone.
	Text Message Alert	Determinate the alert tone patterns of text message. Click "Play" to play the selected alert tone.
	Priority Message Alert	Determinate the alert tone patterns of Priority message. Click "Play" to play the selected alert tone.
	Emergency Alert	Determinate the alert tone patterns of Emergency Call message. Click "Play" to play the selected alert tone.
	Clock	Determinate the alert tone patterns of Clock alarm. Click "Play" to play the selected alert tone.
-	Message	Determinate the alert tone patterns of Message
	Alarm Alert	Alarm. Click "Play" to play the selected alert tone.

Field Name		Description
Backlight	Voice Message Backlight	To determinate the backlight color when receive voice message.
	Text Message Backlight	To determinate the backlight color when receive text message.
	Priority Message Backlight	To determinate the backlight color when receive priority message.
	Emergency Call Backlight	To determinate the backlight color of Emergency Call Message.
	Default Backlight	To determinate the default backlights color when operating the pager.

5. Information

Only the correct version of programming software that matches the pager firmware version can be used for programming the pager. This manual is subject to change without notice. The new programming software and programming manual will be released on the Unication official website: www.unication.com

Please follow the instruction to operate the programming. Unication is not responsible for the damages caused from improper operations or programs.





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