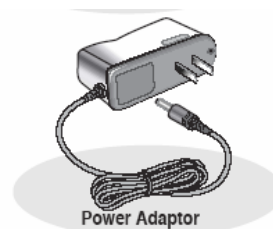
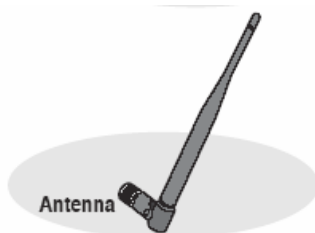


02/15/06 Draft by Daniel Yu

**SXP-2080 CDMA 1XRTT
FIXED WIRELESS PHONE
800 MHz CDMA**



TECHNICAL MANUAL



Before installing your **SXP-2080**, carefully remove the contents from the shipping carton and check for evidence of shipping damage. **If damage is found, contact your Authorized Sungil Distributor or shipping agent immediately.**

SAFE OPERATION INSTRUCTIONS

IMPORTANT! Before installing or operating this product, read the **SAFETY AND GENERAL INFORMATION** section of this guide.

- ✓ Install the unit indoors.
- ✓ Install the unit on a hard, flat surface for proper ventilation.
- ✓ Do not expose the unit to rain or moisture
- ✓ Do not place the unit on or close to sources of heat.

IMPORTANT NOTICES

TERMS AND CONDITIONS FOR USE OF SXP-2080 PRODUCTS ("Product")

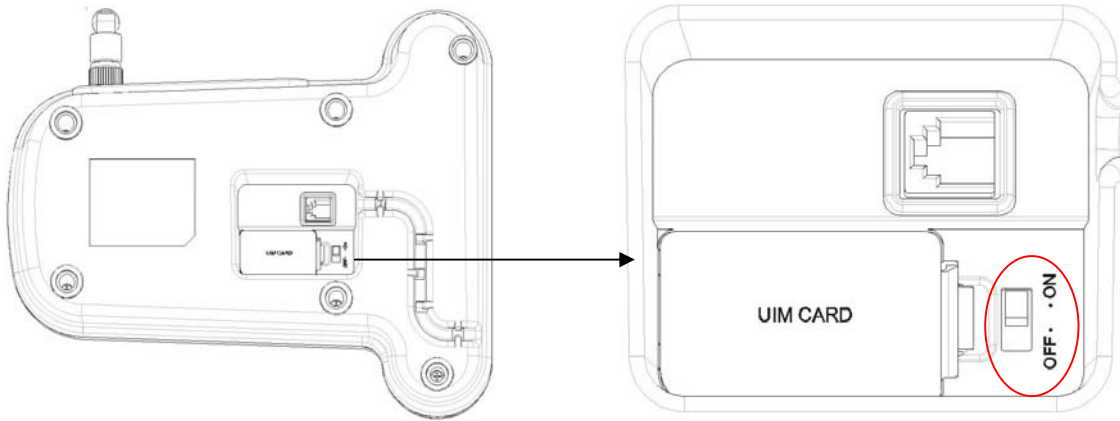
These Terms and Conditions are a legal contract between you and Sungil Corporation for the title to and use of the Product.

BY RETAINING AND USING THE PRODUCT AFTER RECEIPT OF IT, YOU AGREE TO THE TERMS AND CONDITIONS INCLUDING WARRANTY DISCLAIMERS, LIMITATIONS OF LIABILITY AND INDEMNIFICATION PROVISIONS BELOW. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS, DO NOT USE THE PRODUCT AND IMMEDIATELY RETURN THE UNUSED PRODUCT FOR A COMPLETE REFUND. You agree to accept sole responsibility for any misuse of the Product by you; and, in addition, any negligent or illegal act or omission of your or your agents, contractors, servants, employees, or other users of the Product so long as the Product was obtained from you, in the use and operation of the Product.

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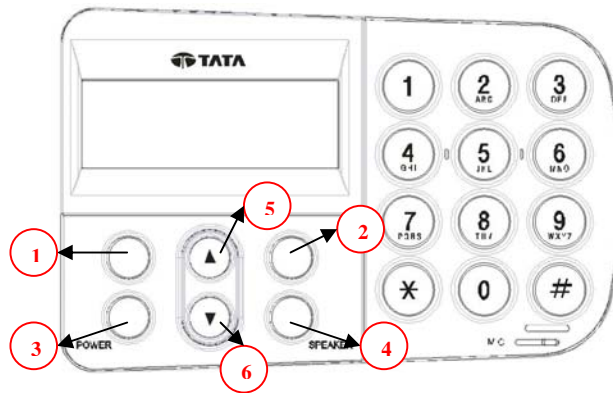
Emergency Battery Backup

Each Subscriber SXP-280 Unit comes with a standard internal battery inside, and can be replaced at your local After-Service Centers.



SXP-2080 OPERATION

SXP-2080's UI (User Interface) operation is driven by Soft Key which is designated at ① and ② in below picture. ① And ② Keys have different functions linked with what Main LCD displays. For an example, If LCD has IDLE screen, ① key has Menu key to get into the main menu by pressing it and ② key is not used. After you got into the specific menu, ① key is changed to OK key which is able to confirm something in menu and ② key is changed to CLR key to exit current menu item.



Navigation Key Operation

⑤ And ⑥ keys it is basically used at navigation keys from standby condition, and it is used with each function of 'Dialed Numbers' and 'Volume control' item.

If it presses as the lower picture the ⑤ key from standby condition and you can show to the dialed numbers.



Press the up navigation key in standby condition, you can show to the dialed numbers

And it presses as the lower picture the **⑥** key from standby condition and we can adjust the speaker, key beep or earpiece volume on which it depend the condition of hook on/off.



Press the down navigation key in standby state, you can control to the volume depend on hook on/off.

Power On/Off Operation

③ Power key is using to turn it on/off when a battery is used as power source. If AC power supplies to the product, a power key is not required but in case of battery mode, you should turn it on and off with this power key.

1) AC power thru the adapter.

If you press ③ Power key for around 2 seconds under AC power mode, The phone inform you of a message, **“Can’t turn off on AC state”**.

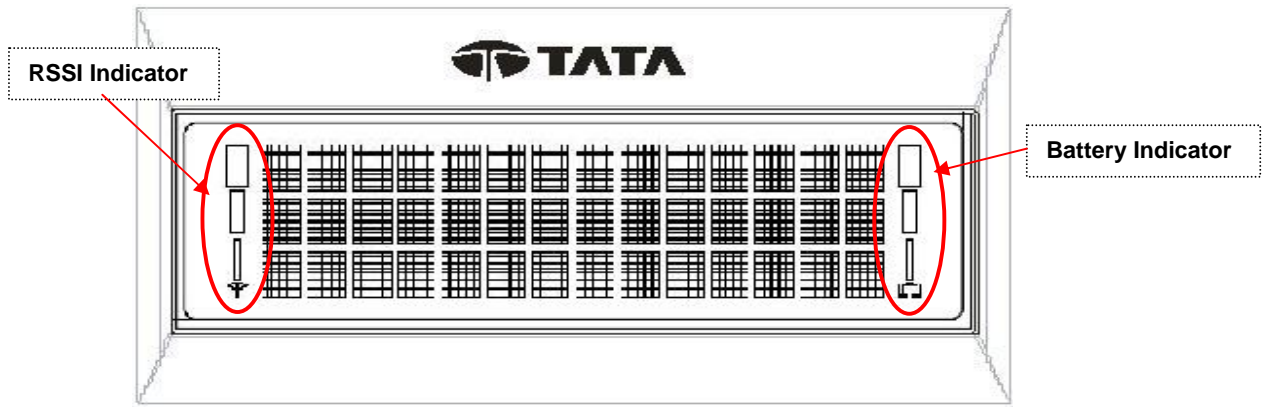
2) Battery power without the adapter

If you press ③ Power key for around 2 seconds in a while a phone is working, The message of “Press Ok Key for Tuning Off!” will display and then If you press OK soft key , the phone will turn it off. Otherwise, you can turn it on by same method with turned-off phone.

Signal Strength Indicator

RSSI (Receive Signal Strength Indicator) –

This product’s RSSI indicator is located at left side on LCD. RSSI Level expresses current signal strength in 3 bars. If you are in no service area, Just base station icon displays and there is no level in RSSI indicator.



Battery Strength Indicator

This product's battery level indicator is located at right side on LCD. Battery Level expresses battery levels with 3 bars. In case of low battery, Just battery icon displays and there is no level in battery indicator.

When a battery level is low level, "Low Battery Warning!" displays and warning tone sounds and a phone will get into shutdown mode.

Over Voltage Protection

This product's rated voltage is 5V but if you use over 5V, "Over Voltage! Check Power" message displays and warning beep tone sounds continuously until you take off this unrated voltage power.

Basic Phone Function

Placing a Call

- 1) Pick up the handset and listen for a dial tone.
- 2) Dial the phone number.

Receiving a Call

When your telephone rings, pick up the handset and begin talking.

NOTE: If you hear an incoming call while picking up the handset, you can receive the call by hanging up (placing the handset on the cradle) immediately. This will cause the phone to start ringing.

Ending a Call

Hang up the phone (place the handset onto the cradle).and Press the speaker key.

Make a Call

You can see "Call" soft key while you are dialing the phone number. You can immediately make call when you press button located at blue circle as below picture.



Speed Dial

Speed Dial allows you to use the Speed Dialing feature.

You can press the desired number for 2 seconds; gently press the number button longer.

Then the phone makes a previously programmed and stored a phone number.

Speed Dial can be also used for two digits numbers like "12" and "79".

For example, if the a number is stored at Speed Dial "15", then press "1" first, and press "5" for 2 seconds (a bit longer).

Redial

Press the navigation up key, the phone will show all dialed calls from call history register. If you choose to call the number other than your most recent call, then you can use.

Emergency Dial

You can place emergency call from your emergency number list even if your phone is locked. For more details see others menu, Emergency Numbers.

User Care Dial

You can place usercarecall from your emergency number list even if your phone is locked. For more details see others menu, usercare Numbers.

Function used during a call

1) Mute

This feature allows you to mute the caller during a call. It is useful when you do not want your caller to listen to what you have to say for that muted period.

2) Phone Book

During a call, you can access your Phone Book for a search and view your list of stored entries.

3) Message

During a call, you can access your message (SMS) for write and view your list of stored entries.

Important Tones and Alerts

Normal Dial Tone - When cellular service is available, the receiver emits a standard (steady) dial tone.

No Service Tone - A fast beeping tone indicates that no cellular service is available.

Outgoing Call Restriction - A slower beeping is an indication that calls may be received, but not made, from this particular phone.

SUPPLEMENTARY FEATURES (NETWORK DEPENDENT)

Call Waiting

Call Waiting enables you to be alerted to an incoming call while you are already on a call. You have the option of responding to the second call while putting the first call on hold. You can also disable the call waiting option during a particular call. Contact your service provider to activate Call Waiting.

Three-Way Calling

Three-Way Calling enables you to set up a three-way conversation with two other different-numbered users. Contact your service provider to activate Three-Way Calling. To use Three-Way calling, use the following steps:

1. Call 1st party
2. While in call with 1st party, dial the number of the 2nd party
3. Press hook switch (or Flash Softkey button)
4. When connected to 2nd party, press the hook switch (or the Flash Softkey button) again to connect all parties.

Call Forwarding

Call Forwarding enables you to forward all your incoming calls to another phone number, even if your telephone is turned off. You can continue to make calls from your telephone when Call Forwarding is activated. Contact your service provider to activate Call Forwarding.

Caller ID

Caller ID notifies you who is calling by displaying the caller's number on the telephone's display when an incoming call comes through with a ring. This feature is available only with a telephone that has an LCD display on it. Contact your service provider to activate Caller ID.

Menu Tree

Press the "Menu" softkey button.

Menu key operation in IDLE state.		
1. Phone book	1. Find	1. All
		2. Name
		3. Number
	2. Add	
	3. Call Info	1. Dialed
		2. Received
		3. Missed
		4. Erase
		5. Duration
	4. My Phone Number	
2. Message	1. Write	
	2. Inbox (0/ 0)	
	3. Outbox (0)	
	4. Voice Mail (0)	
	5. Erase Msgs	1. Inbox (0/0)
		2. Outbox (0)
		3. All Msgs
	6. Msg Settings	1. Msg Lock
		2. Msg Alert
		3. Voice Mail No
4. Auto Delete		
3. Profile	1. Security (0000)	1. New Code
		2. Restrict
		3. Reset Phone
		4. Auto Lock
		5. Voice Privacy
	2. Display	1. Greeting
		2. Date&Time
	3. Hotline	1. SetUp
		2. TimeSet
	4. Auto Time Out	
5. Call Time Display		
4. Sound	1. Ring Tone	
	2. Vol Control	1. Ringer Vol
		2. Key Vol
		3. Earpiece Vol
		4. Speaker Vol
	3. DTMF Tone	
4. SVC Alert		
5. Stop Watch		
6. Alarm	1. Alarm Set	
	2. Alarm Tone	
	3. Snooze Time	
0. Hidden Menu	1. System Info	1. Debug Screen
		2. Test Call
	2. Audible Tone	
	3. Others	1. Emergency
		2. User Care Number
		3. Mirroring

Menu key On Conversation		
0. Security	1. Voice Privacy	
	2. DTMF Tone	
1. Mute		
2. PhoneBook		
3. Message		

Explain on Menu Tree

0. Hidden Menu

1. System Info	1. Debug Screen
If you choose the debug screen, you can show to the information of RSSI, Ec/Io, Rx/Tx Power.	
Ex) S 14846 (S: System ID) C 0283 (C: Channel) N 00001 (N: Network ID) R 100 (R: RSSI / dBm) E 05 (E: Ec/Io) PN 122 Tx -73 (Tx power dBm)	

1. System Info	2. Test Call
In the Test call mode, you can call as below.	
<ol style="list-style-type: none"> 1. new 8k Markov, 2. new 13k Markov, 3. 8k loopback, 4. 13k loopback 5. SO54 Markov, 6. SO55 loopback 	

2. Audible Tone	
There is 4-type of dial tone type for country.	
<Dial tone types>	
<ol style="list-style-type: none"> 1. Korea 2. Latin America 3. East Europe 4. China / Siria 5. Nicaragua 6. India 	

3. Others Menu (Lock Code : 175930)	1. Emergency #(Number)
The emergency number can input maximum by 3 and limited area in country.	
<ol style="list-style-type: none"> 1. Press the 'Edit' Softkey 2. Enter the emergency number 3. Press the navigation key, You can show the other number of emergency. 4. Press the 'Save' softkey. And Saving the emergency number. 	

3. Others Menu (Lock Code : 175930)	2. User Care #(Number)
The usercare number can input maximum by 3 and limited area in country.	
<ol style="list-style-type: none"> 1. Press the 'Edit' Softkey 2. Enter the user care number 3. Press the navigation key, You can show the other number of user care. 4. Press the 'Save' softkey. And Saving the user care number. 	

3. Others Menu (Lock Code : 175930)	3. Mirroring
In the Mirroring menu, you can backup/restore system configuration of phone.	
<ol style="list-style-type: none"> 1. Press the navigation key you can show the option of mirroring that kind of 'Do mirroring' or 'Do Restore' 2. It choose the item (Do Mirroring or Do Restore) 3. Press the 'Ok' softkey, Runing the mirroring function 	

1. Phone Book Menu

The Phone Book allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without remembering or entering the phone number. You can store up to 99 entries. Each entry can contain up to 32 digits (numbers), with an associated name of up to 14 characters.

1. Phone Book	1. Find
In this menu, you can search Phone Book for an entry using a name, entry number, and group name. Example, by "Name": This option allows you to find an entry by entering a person's name.	

1. Phone Book	2. Add
You can also add any numbers from Call History or create an entry to Phone Book. Simply press type your entry and press 'Save' softkey at the end. With each entry created, you will be asked to put a name, a number, a speed dialing, and a distinctive Ring Tone to each entry	

1. Phone Book	3. Call Info
You can use the Call History menu to: <ol style="list-style-type: none">1. View and dial the most recent calls you dialed, received, or missed.2. Erase the numbers in the call log memory3. View the time duration of calls<ol style="list-style-type: none">I. Dialed The phone stores up to 20 of the most recent calls you dialed, When you access this menu, a list of the dialed calls displaysII. Received This option lets you view up to 20 of the most recent calls you received, (along with Caller ID) if you are subscribed to the Caller Line Identification service. Contact service provider for more information about this service. When you access this menu, a list of the incoming calls displays.III. Missed If Caller Line Identification is available, your phone keeps a list of the most recent 20 incoming calls that you failed to answer.IV. Erase This feature erases all call logs from Dialed/Received/MissedV. Duration Note: This feature is not intended to be used for billing purposes. The following options are available:<ul style="list-style-type: none">- Last Call Time This information shows about the last call, such as the duration of the call, the other person's phone number and the date and time when the call was made.- All Dialed This information shows the number of all calls you have made and the total duration of the calls since the time counter was last set to zero by using 'Clr Air Time'	

1. Phone Book	4. My Phone No# (Number)
Enter this menu to check your phone number (MIN)	

2. Message Menu

Your phone can send and receive text messages. It can also receive voice mail notifications. When the phone receives a message, an alert sounds and a text notification displays along with the name and phone number of the sender, if available. The 'Message icon' remains on the screen at standby time until you read the new text messages or you listen to the new voice mail messages. Messages are received even when your phone is in Lock mode.

2. Message	1. Write
You can create a text message of up to 160 characters and send it to other mobile phones and FWP's <ol style="list-style-type: none">1. Enter the send phone number2. Enter the text message3. When you finish entering text. Press the 'OK' softkey4. Select your Message Priority from Normal, Emergency, or Urgent and then press the 'Ok' softkey.5. Select whether you want Delivery ACK (Delivery Acknowledgement) for your message and then press the 'Ok' softkey. Select the option (Send, Send&Save) and then press the 'OK' softkey to send the message.	

2. Message	1. InBox (0 / 0)
<p>When you receive a text message, the message indicator appeared on the LCD screen at standby time. While reading the message, scroll down to the navigation key to view the list of message options, then press appropriate keys to choose the desired option</p> <p>In box sub's menu</p> <ol style="list-style-type: none"> 1. Reply Use this feature to reply your message. 2. Forward Use this feature to forward your message. Enter the number for forwarding, and then confirm the message you are sending, or edit your message. 'Ok" softjey to send the message. 3. Store Number Use this feature to save the number on your display. With Caller ID feature, the phone will take user's number into the Phone Book. You can edit your number here, as well as 4. Erase Erase the message from your Inbox. <p>Read Messages Later Your Inbox will show how many messages are unread out of total messages in Inbox. For example, if there are 3 unread messages in Inbox among 17 messages, then Inbox will show "Inbox (3/17)"</p>	

2. Message	2.OutBox (0)
<p>Your Outbox stores your sent messages to your friends and associates. It also stores all of your unsent messages if messages were not sent at the time due to Network Failures. All sent messages can be found here in Outbox</p>	

2. Message	3.VoiceMail (0)
<p>When there is a voice mail, there will be an alert. An alert window displays the number of messages on the system, and the time it is received. Press Send to call the caller who left the voice mail or Press Msg to view the Voice Mail System Center number. Press Send to connect to Voice Mail System Center</p>	

2. Message	4.Erase Msgs
<p>Erase your Messages in your Inbox, Outbox or erase all messages. You can select first and press STR to erase your messages.</p>	

2. Message	5.Msg Settings
<p>Msg Lock</p> <p>This feature protects accessing Message Menu. You can enable the Message Lock by entering a Message Lock Code when prompted.</p> <p>Msg Alert</p> <p>This feature turns Message Alert Window On or Off. Message Alert Window is displayed when you receive a message to the phone, displaying time, and CID with an alert. You may use this feature to turn your alert off. Message Alert is turned on as a factory default</p> <p>Voice Center</p> <p>In this feature you will find your operator's voice mail center number programmed. Press Send to access your Voice Mail Box on the network.</p> <p>Auto Delete</p> <p>This feature will automatically delete the oldest item as your Inbox is full. This useful feature will eliminate the oldest item in your Inbox, as the new message comes in. Press STR to turn this feature on. Auto Delete feature is off as factory default</p>	

3. Profile Menu

3. Profile	1.Security – 1. New Code
<p>Your phone prompts you for a four-digit security code for certain features and commands. Access is granted only after correct security code has been entered successfully. The default security code is "0000". It is recommended that you can change this code at once, write it down, and store it in a safe place away from your phone. Change your Code to New Code</p> <ol style="list-style-type: none"> 1. Press 'Menu' and 'Security', then to new code 2. Enter the existing (or default) security code and press 'Ok' softkey 3. Enter the new four-digit security code and press 'Ok' softkey 4. Reenter the new four-digit security code and press 'Ok' softkey 	

3. Profile	1.Security – 2. Restrict – 1.Dialed Num#
<p>This feature allows you to restrict dialed calls. You can restrict all calls or create a custom list of numbers to restrict</p> <ol style="list-style-type: none"> 1. Press 'Menu' and select profile, security and restrict 2. Select form dialed Number 3. Select the option (Cancel or Restrict) with your navigation Up/Down keys, and press... 	

3. Profile	1.Security – 2. Restrict – 2.Received Num#
<p>This feature allows you to restrict received calls. You can restrict all calls or create a custom list of numbers to restrict</p> <ol style="list-style-type: none"> 1. Press 'Menu' and select profile, security and restrict 2. Select form Received Number 3. Select the option (Cancel or Restrict) with your navigation Up/Down keys, and press... 	

3. Profile	1.Security – 3.Reset Phone
<p>This feature is useful when the user wants to reset the phone to a factory default. Resetting the phone will not erase Phone Book, Call History, Inbox and Outbox</p>	

3. Profile	1.Security – 4.Auto Lock
<p>This feature protects your phone from unauthorized outgoing calls or unauthorized access to information stored in the phone. When phone lock is activated, phone locked is displayed each time you turn your phone On/Off. After pressing either contacts or Menu, you must enter your lock code. Once your lock code has been accepted, your phone will function normally</p> <ol style="list-style-type: none"> 1. Press 'Menu' and select profile, security and auto lock 2. Select the option (Never, on power up, now, always) with your navigation Up/Down keys, and press... 	

3. Profile	1.Security – 5.Voice Privacy
<p>This feature protects the conversation between callers. If you have requested Enhanced Voice Privacy Mode to your operator, and that your operator supports this Voice Privacy mode, the phone will encode the conversation and protect the contents. You can choose from the modes "Standard" or "Enhanced",</p> <p>Factory Default will come as "Standard".</p>	

3. Profile	2.Display – 1.Greeting
<p>In this feature, you can personalize your Banner Setting. Please enter texts to show Banner on display when the phone is in idle mode. You can put text up to 14 characters</p> <ol style="list-style-type: none"> 1. Press 'Menu' and select profile, display and greeting 2. Press the 'Edit' softkey, you can modify and create the greeting message 	

3. Profile	2.Display – 2.Date/Time
<p>This feature allows the user to choose different formats of time to be displayed on the idle screen</p> <p>Data Time display can be chosen from</p> <ol style="list-style-type: none"> 1. AM/ PM Type 2. 24 Hours Type 3. Day of Week Type 4. No Time&Date <p>Factory Default is the 'Day of Week' type</p>	

3. Profile	3.Hotline – 1.SetUp
<p>This feature is used when there is an emergency situation that has to be made within specific time frame. Hotline, when it is turned on, will automatically call the designated Hotline Number within previously selected Hotline Time. When the phone is on Off-Hook for selected Hotline Time, then the phone will call Hotline</p> <p>This feature automatically dials a specific number at hotline time.</p> <ol style="list-style-type: none"> 1. Press the 'Menu' and select profile, hotline and SetUp. 2. Select the option On or Off with your navigation Up/Down keys, and press... 3. if you choose the option to 'On', and input a dial number for emergency. 4. if you choose the option to 'Off', the feature disabled at standby state. 5. Factory default is 'Off' 	

3. Profile	3.Hotline – 2.TimeSet
<p>This feature sets the time of Hotline waiting time from Off-Hook to Hotline Dialing. Range is from 0~15 seconds of waiting time. For example, if the phone is set at "0" seconds waiting time, the phone will automatically call the Hotline Number.</p>	

3. Profile	4.Auto Time Out
<p>After an user entered numeric digits for dialing, the phone will automatically call the number that was entered for certain period of time. For example, if a user enters a phone number and waits for 4 seconds, without pressing 'Call' softkey then the phone will automatically time out, and call the entered number. Choose from 1 – 10 seconds for Auto Timeout.</p> <p>Factory Default is at 4 seconds</p>	

3. Profile	5.Call Time Display
<p>This feature show to the call time on conversation, if it disabled the option to 'Off', it did not show to the call time on conversation state.</p> <ol style="list-style-type: none"> 1. Press the 'Menu' and select profile and CallTimeDisp 2. Select the option On or Off with your navigation Up/Down keys, and press... 3. Factory default is 'On' 	

3. Profile	6.Setting – 1.Version
<p>This feature show to the version of S/W, H/W and PRL ID,</p> <ol style="list-style-type: none"> 1. Press the 'Menu' and select profile, Setting and vesion 2. First you can show to the S/W Version 3. Press the 'More' softkey and you can show to the H/W revision and PRL ID <p>Ex) S/W: PBINDT1NR0013N H/W: 0.3 → Board Revision PRL: - no info → it's mean not exist the PRL, if it exist the PRL data, you can show to the PRL id.</p>	

4. Sound Menu

You can use the Sound menu to customize various sound settings, such as ringer volume, type, and tone, DTMF length.

4. Sound	1.Ring Tone
<p>This menu allows you to set the unique ring tone for any incoming calls that are not set from Phone Book. This Ring Tone is the primary default Ring Tone of the phone.</p> <ol style="list-style-type: none"> 1. Press the 'Menu' and sound and Ring Tone 2. Select the polyphony bell in the list of follows. <ul style="list-style-type: none"> Poli Bell 1 - 10 Can Can,Williammtel,Carmen Trumpet,Turkey, Waltz of Sprin Trout, Minuet, Heart of Woman, Prelude, Waltz of Puppy, Mozart Minuet, Elysee, Triumph, Canon, 3. Factory default is Poli Bell 1 	

4. Sound	2.Vol Control
<p>This menu allows you to adjust the volume of the phone. There are total of 5 volume levels, from silent, 1, 2, 3, and 4. Each level is indicated by graphic bars, displaying each level of increment.</p> <p>1. Press the 'Menu' and sound and Vol Control</p> <p>1. Ringer: allows you to adjust the ringer volume for incoming calls, alerts, and alarm. 2. Speaker: allows you to adjust the volume for speaker 3. Earpiece: allows you to adjust the volume for handset 4. Key: allows you to adjust the volume of key tones.</p>	

4. Sound	3.DTMF Tone
<p>This menu allows you to choose between a short and long DTMF tone. For example, a short DTMF tone will sound and stop shortly, even if the key is pressed after the beep, whereas a long DTMF tone will continue to sound</p> <p>1. Press the 'Menu' and sound and DTMF tone 2. Select the option short or Long with your navigation Up/Down keys, and press... 3. Factory default is 'Short'</p>	

4. Sound	4.SVC Alert
<p>Your phone gives audible alerts (beeps) when the phone enters Service Network, from an area where there's no network service by your local Service Operator</p> <p>1. Press the 'Menu' and sound and SVC tone 2. Select the option On or Off with your navigation Up/Down keys, and press... 3. Factory default is 'Off'</p>	

5. Stopwatch Menu

6. Stopwatch
<p>Using this feature, you can use the phone as a stopwatch, The stopwatch provide the softkey of Start, Restart, and Stop.</p>

6. Alarm Menu

6. Alarm	1.Alarm Set
<p>This menu allows you to set up to an alarm to ring at a specific time. To set an alarm</p> <p>1. Press the 'Menu' and Alarm and Alarm Set 2. Select the option On or Off with your navigation Up/Down keys, and press... 3. if it set the 'On', you can choose the alarm repeat type 4. Select the alarm repeat type 'One tine' or Always' with your navigation Up/Down keys, and press.. 5. Select the alarm duration 1~10 minute 6. Select the alarm time, ex) 12:23 (The time is 24 Hour type.) 7. If alarm setting option set to 'Off', the alarm feature disabled.</p>	

6. Alarm	2.Alarm Tone
<p>The below list for available ring tone list.</p> <p>1. Press the 'Menu' and Alarm and Alarm Tone 2. You choose using by the navigation up/down key.. Can Can,Williammtel,Carmen Trumpet,Turkey, Waltz of Sprin Trout, Minuet, Heart of Woman, Prelude, Waltz of Puppy, Mozart Minuet, Elysee, Triump, Canon,</p>	

6. Alarm	3.Snooze Time
<p>Happen to the alarm ring. To stop the alarm when it rings, press any key to stop the alarm. If you press speakerphone key to stop the alarm.</p>	

AKey Input Menu

A Key	"*75259#147*359#"
<ul style="list-style-type: none"> - Press the '*75259#147*359#' key - You can show to the message (Press [Akey] to continue), and press the 'Akey' softkey - Entering the input mode to AKey. - In the A Key menu, you can make sure that A key is valid. - Input 26 digits of A key what you want to valid. - When you finished input, press 'OK'. - If the A key is valid, you can show to the success message - If the Akey is invalied, you can retry input to the AKey. <p>Ex) 26 digits (20 digits + 6 digits checksum)</p>	

Service (NA Mode) Menu

NA Mode	"47*869#*75259#"
<ul style="list-style-type: none"> - Press the "47*869#*75259#" key - User must input the security lock code for accessing the NA Menu (000000) 	

CATEGORY	ITEM	DESCRIPTION	
1. General	01. ESN (Electronic Serial Number)	Read Only	
	02. CAI Ver (Common Air Interface)	Read Only	
	03.SO (Service Option)	EVRC (Enhanced Variable Rate Codec)	MSM6000 Chip just supported the EVRC.
	04. SCM (Station Control Mark)		.
	05. LOCK CODE		Read Only
	06. SLOT MODE		
	07. SLOT CYCLE INDEX		
	08. RC (Radio Configuration)		For CDG2 Testing
	09. SPC CHANG		
	10. SPC VALUE		
02. Setup NAM	01. Current NAM	You can selection the NAM1 or NAM2	
	02. NAM 1		
	03. NAM 2		
01. NAM 1 or 02. NAM 2	01. MCC	(Mobile Country Code) * 3 digit	
	02. MNC	(Mobile Network Code) * 2 digit	
	03.MIN	*10 digit	

	04.PHONE NO#	(Directory Number) * 10 digit
	05. ACCOLC	(ACCess OverLoad Class) 0~ 15
	06.PRIMARY CH.	01. Primary CH System A
		02. Primary CH System B
	07.SECOND CH.	01. Secondary CH System A
		02. Secondary CH System B
	08. ACQ SID	
	09. LOCK SID	
	10.H-S/NID Ena	CDMA HOME SID Enable Yes or No
	11. HOME SID/NID	Home SID1~20
		Home NID1~20
	12.SID/NID LOCK	LOCK Home SID1~20
		LOCK Home NID1~20
	13. CDMAPREF SYSTEM	
	14. PRL ENABLE	
	15. PRL ID	
	16. OTAPA ENABLE	
	17. MOB_TERM_HOME	
	18. MOB_TERM_FOR_SID	
	19. MOB_TERM_FOR_NID	

WARNING!

Only Authorized Service Personnel should remove the cover of your SXP-2080. For further assistance, contact your Authorized Sungil Representative. Please have your unit's model and serial number ready. The duration of your calls and operate your phone in the most power-efficient manner.

Temperature Environment

Operating Temperature: From -20°C to +60°C ; Up to 95% relative humidity (non-condensing).

Storage Temperature: From -25°C to +75°C; Up to 95% relative humidity (non-condensing).

Antenna Care and Replacement

Do not use the SXP-2080 with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Have your antenna replaced by a qualified technician immediately.

Use only a manufacturer-approved antenna. Unauthorized antennas, modifications, or attachments could damage the SXP-2080 .

Driving

Check the laws and regulations on the use of cellular products in the areas where you drive. Some jurisdictions prohibit your using a cellular device while driving a vehicle. Even if your jurisdiction does not have such a law, we strongly suggest that, for safety reasons, the driver use extreme caution when operating the cellular device while the vehicle is in motion. Always obey the law.

Exposure to electronic Devices

Most modern electronic equipment is shielded from RF energy. However, RF energy from cellular devices may affect inadequately shielded electronic equipment.

RF energy may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF energy. You should also check with the manufacturer of any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) to determine if they are adequately shielded from external RF energy.

Turn your SXP-2080 OFF in health care facilities when any regulations posted in the areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Aircraft

Turn OFF your SXP-2080 before boarding any aircraft.

- Use it on the ground only with crew permission.
- Do not use it in the air.

To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your cellular phone (or any other cellular product) while the plane is on the ground. To prevent interference with aircraft systems, FCC regulations prohibit using your cellular device while the plane is in the air.

Children

Do not allow children to play with your SXP-2080 to prevent damage to the unit.

Blasting Areas

Construction crews often use remote control RF devices to activate off explosives. Therefore, to avoid interfering with blasting operations, turn your SXP-2080 OFF when in a "blasting area" or in areas posted: "Turn off two-way radio."

RF EXPOSURE INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT 'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.*Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure.

The tests are performed in positions and locations as required by the FCC. The highest SAR value for this model phone is **1.17 W/kg**. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of [http://www.fcc.gov / oet / fcc id](http://www.fcc.gov/oet/fccid) after searching on **FCC ID : R2NSXP-2080**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://phonefacts.net>.*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

[For more information about RF exposure, please visit the FCC website at www.fcc.gov](http://www.fcc.gov)

Near-Body Operation

To maintain compliance with FCC RF exposure requirements, maintain a **2.5cm(0.98 inch)**, separation distance between the user's body and the phone, including the antenna, whether extended or retracted.

WARNING! Read this information before use

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.