

WELCOME

Thank you for choosing the TX-21B, our new model, developed by top researchers to support the IS-95B system through Qualcomm-manufactured MSM 3100 chips and CDMA technologies. This product allows for high speed communication services, such as wap browsing and data & fax services.

Among its many advanced features, the T9 input mode makes it much easier to enter letters. In addition, with proven technologies in detail as follows:

- Full graphic display of 5 text input line and 1 icon line with variable font size.
- Easy to enter letters through the T9 text input mode.
- Enhanced for wap browsing & data services (i.e.; wireless internet access, wireless fax send / receive Openwave.com, Up browser).

IMPORTANT INFORMATION

This TX-21B user guide contains very important information about how to handle and use the product. So please read this manual thoroughly. Please make sure that you don't drop the phone, apply any physical impact on, and immerse the phone. And also please pay attention to the warranty on the back page and be alert to the exclusions and limitations of your warranty, which are related with the unauthorized use of components.

PTC Number : PTC256/02/009

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Chapter 1

**BEFORE USING
YOUR PHONE**

This chapter provides important information about using the TX-21B including:

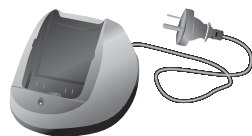
- ✓ INSIDE THE PACKAGE
- ✓ HANDSET DESCRIPTION
- ✓ BATTERY USAGE
- ✓ BATTERY HANDLING INFORMATION

INSIDE THE PACKAGE

This package should include all items pictured below.
If any are missing or different, immediately contact the retailer where you purchased the phone.



Handset



Desktop Charger



Standard Battery



User Manual



Handstrap

6

HANDSET DESCRIPTION



Antenna
For optimum performance during a call fully extend the antenna.

Earpiece

Earjack

LCD Screen

Function Keys

**END/
Power Key**

Keypad

Microphone

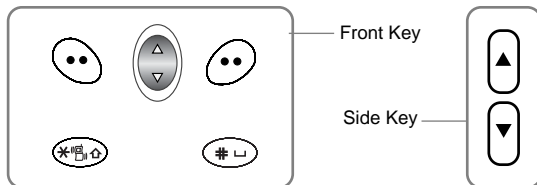
Volume Button
Adjusts the volume of earpiece and ringer.

Send key

7

HANDSET DESCRIPTION

THE FUNCTION KEYS



Front Key

Side Key



Press to make or receive a call.



Press to terminate a call or exit a current page, and turn the phone on/off.



Press to scroll through the items in the menu.



(Soft 1) Press to access the menu or function as shown in the bottom line of the display.



(Soft 2) Press to access the wap browser and review a voice or text message, and return to the previous page.



Press to scroll through the items and adjust volume up/down.



Press and hold to set Manner Mode. In this mode, keypad tone is off and vibration is on.



Press and hold to set the Keyguard mode.

HANDSET DESCRIPTION

DISPLAY INDICATORS



Signal Strength

Current signal strength – the more lines the stronger signal.



Standby Mode

Indicates the phone is in standby mode.



Service Indicator

Call is in progress.



No Service Indicator

is displayed, the phone is not receiving a signal from system.



Digital mode

Phone operating in digital mode.



Battery

Battery charging level – the more blocks the stronger the charge.



Scratchpad

Appears when scratchpad is in use during a call.



Emergency Call

Blinks when an emergency call is in progress.



Manner Mode

Manner Mode on – phone will vibrate when call is received.



Roaming

Phone is out of home area.



Mute

Phone is mute during a call.



Phone is in the progress of UP Browser.



Message

New text or voice message.



Ring Mode

Indicates the phone is ring while on a call.



Key Guard

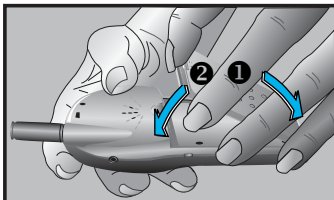
Indicates the keyguard is in use.

BATTERY USAGE

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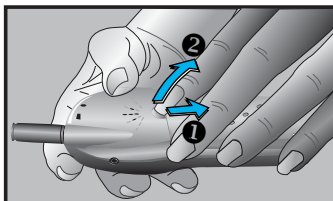
BATTERY INSTALLATION

- 1 Place the battery on the back of the handset and slide into place. 2 Push the battery down until it locks into place.



BATTERY REMOVAL

- 1 Pull down the release latch, 2 lift up the battery and remove the battery from the handset.



Securely place the battery to avoid slipping off during a call. To avoid losing any unsaved features and messages, turn off the phone before removing the battery.

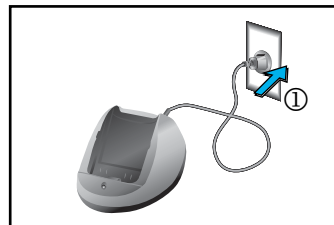
BATTERY USAGE

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BATTERY CHARGING

POWER CONNECTION

- 1 Plug the desktop charger into a standard outlet.



CHARGING THE BATTERY WITH THE HANDSET

- 1 Place the handset (with battery attached) into the charger.



- The red LED indicates charging is in progress.
- The green LED indicates charging is completed.



- It is more efficient to charge the battery with the phone turned off.
- If the red LED blinks or does not illuminate and if the yellow LED illuminate when charging, check the power connection and make sure the handset is securely in place.
- Fully charge the battery before using – it is not charged when purchased.

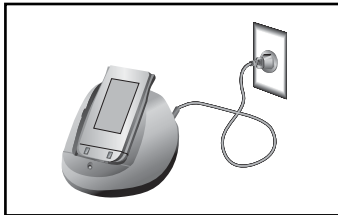
BATTERY USAGE

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CHARGING THE BATTERY ONLY

- 1 Detach battery from handset and place in charger.

- The red LED indicates charging is in progress.
- The green LED indicates charging is completed.



BATTERY LIFE (FOR NEW BATTERY)

The operating time is subject to your handset usage and configuration.

	Standard Battery (950 mAh)
Talk (min)	170 min
Stand by (hrs)	282 hrs



Your phone does not indicate when it is charging. To be certain your battery is fully charged, please charge it for 8 hours. The optional cigarette lighter adapter and the installed hands free kit do not have an LED indicator to show when the kit is charging the battery while connected. The LED on each of these optional accessories indicates when the accessory is connected to a power source only.

BATTERY HANDLING INFORMATION

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DOS

- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F and 95°F .
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. It may take one to four days to completely drain.
- Store the discharged battery in a cool, dark, and dry place.
- Purchase a new battery when its operating time gradually decreases after fully charging.
- Properly dispose of the battery according to local laws.

DON'Ts

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't accidentally short circuit the battery by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens. This may critically damage the battery.
- Don't leave the battery in hot or cold temps. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery into a fire.

MEMO

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Chapter 2

BASIC OPERATION

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2

This chapter addresses and explains the basic features of your phone including:

- ✓ TURNING THE PHONE ON / OFF
- ✓ ACCESSING THE MENU
- ✓ MENU SUMMARY
- ✓ BASIC FUNCTIONS
- ✓ DURING A CALL
- ✓ MAKING AN EMERGENCY CALL

TURNING THE PHONE ON / OFF


TURNING THE PHONE ON

- 1 Press and hold [], until the logo appears and the tone sounds.



- When "Password" appears on the display enter your 4-digit password to unlock your phone.
- The default password is "0000".

TURNING THE PHONE OFF


- 1 Press and hold [] until "Power off" displays.





- Immediately change or recharge the battery when "Low Battery Warning Power Off" appears on the display. Memory may possibly be damaged if the phone turns off due to the battery completely draining.
- Turn the phone off before removing or replacing the battery. If the phone is on, data may be lost.

ACCESSING THE MENU







Your phone can be customized via the menu. Each function can be accessed by scrolling with the navigation keys or by pressing the number that corresponds with the menu item.

- 1 In the standby mode, press [] to access the menu.

- 2 Use the scroll key or the volume buttons to scroll through the menu.

- 3 Press [] to return to the previous page.
Press [] to exit the current menu.

- 4 Select an item with the navigation key or the volume buttons when it is highlighted.
Or press the corresponding number with the digit keys.

- 5 [], [], [], [], [], [] enable you to scroll through the menu.

MENU SUMMARY

1 : PHONE BOOK

1 : CALL LOGS

- 1 : MISSED CALL
- 2 : ANSWERED CALL
- 3 : DIALED CALL

- 2 : BY LOCATION
- 3 : BY NAME

2 : SETTING

- 1 : AUTO ANSWER
- 2 : ONE-TOUCH
- 3 : BACKLIGHT
- 4 : LCD CONTRAST
- 5 : LOGO DISPLAY
- 6 : WAP IDLE TIME
- 7 : KEY GUARD
- 8 : ANSWERING KEY

3 : TONE

- 1 : RING MODE
- 2 : RING TYPE
- 3 : RINGER VOLUME
- 4 : SPEAKER MODE

4 : TIMER

- 1 : LAST CALL
- 2 : ALL CALLS
- 3 : HOME CALLS
- 4 : ROAM CALLS

5 : SPECIAL

- 1 : SCHEDULE
- 2 : STOPWATCH
- 3 : CALCULATOR
- 4 : BIORHYTHM

- 1 : LIST ALL
- 2 : INPUT SCHEDULE
- 3 : PAUSE ALL

- 1 : TODAY
- 2 : SOMEDAY
- 3 : BIRTHDAY

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MENU SUMMARY

6 : ALERTS

- 1 : MIN ALERT
- 2 : ROAM ALERT
- 3 : FADE ALERT
- 4 : LOW SIG ALERT
- 5 : CONNECT ALERT

7 : DATA SERVICE

- 1 : RECEIVE MODE
- 2 : FLOW CONTROL
- 3 : CONNECT SPEED

8 : CHANGE SYSTEM

- 1 : PREF SYSTEM
- 2 : CHANGE NAM
- 3 : PRL ID

9 : SECURITY

- 1 : AUTO LOCK
- 2 : CHANGE CODE
- 3 : CHANGE BANNER
- 4 : RESTRICT

- 5 : RESET
- 6 : CLEAR

- 7 : VERSION

- 1 : INCOMING
- 2 : OUTGOING
- 3 : MEMORY
- 4 : LONG DISTANCE

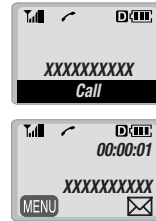
- 1 : CLR PHONEBOOK
- 2 : CLR SCHEDULE
- 3 : CLR CALL LOGS
- 4 : CLR HOME CALLS
- 5 : CLR ROAM CALLS

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BASIC FUNCTIONS

MAKING A CALL

- 1 Enter a phone number.



To modify the phone number you have entered :

- Press [] to erase one digit at a time
- Press and hold [] to erase the entire number and input correct number again.

- 2 Press [].
The indicator "CALL" appears on the display



- If "CALL FAILED" appears on the display or the line is busy, press [] or []

- 3 Press [] to end the call.

BASIC FUNCTIONS

PAUSE FEATURE

You can dial or save a phone number with pauses for use in the automated systems where you need to enter a credit card number, a social security number, and so on. This feature will be convenient when you are linked to ARS (Advanced Record System)

- 1 Enter a phone number, then press [].



- 2 Select one desired pause.

In standby mode

- 1 : STORE
- 2 : BY NUMBER
- 3 : HARD PAUSE
- 4 : ONE HYPHEN

In receiving mode

- 1 : STORE
- 2 : SCRATCH PAD
- 3 : MUTE
- 4 : HARD PAUSE
- 5 : ONE HYPHEN



Pause Definitions


- To dial or save a phone number with pause functions:
When you select Hard Pause, the next numbers are sent by pressing [] key.


- 3 Press [] to dial or [] to store.

Please refer to page 29 for more details about storing a Pause Definitions phone number.

BASIC FUNCTIONS

ANSWERING A CALL

1 Press any key to answer the call except the volume buttons and [].

2 Press [] to end the call.



In Auto Answer Mode a call is automatically answered after a preset number of ring tones. See page 40 for more details.

CALLER ID FUNCTION



Displays the caller's name and phone number, if available, in the phone book.



The caller ID is stored in the call log.

CALL WAITING FUNCTION

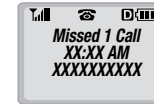
Notifies of another incoming call when you are on the phone by making a beep sound and displays the caller's phone number on the screen.


1 Press [] to answer the other call.
This places the first call on hold while answering the second call.
Press [] again to switch back to the first call.

BASIC FUNCTIONS

MISSED CALL DISPLAY

1 Displays the number of missed calls with the time of the last missed call.




Press [] to clear the missed call display.

ADJUSTING VOLUME

Adjust the volume with the volume buttons on the side of the handset or through the menu entry.

1 Volume adjustments are as follows:


- During a call : Earpiece volume
- Standby mode : Keypad volume
- In hands-free car kit : Kit volume. (Press [] to mute the ring when the phone rings)

VIBRATE

Mutes the ringer tone and activates the vibration mode.

1 Press [] [] [] and select "Vibrate" to enable the function.

MANNER MODE

Allows you to silence the ringer while attending a meeting or any other time you do not want a ring heard.
Press and hold [] key to turn this feature on and off.
A happy face appears in the display when Manner Mode is activated.

DURING A CALL

PHONE BOOK

Automatically transmits your phone number to a pager during a call without manually entering the number.

- 1 While on a call, press [] [] "PHONE BOOK".
(refer to page 36~39)



SCRATCH PAD

Stores a new phone number during a call without the calling party hearing the keypad tones.

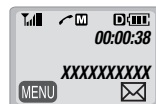
- 1 While on a call, press [] [] "SCRATCH PAD".
- 2 Enter a phone number, press [] and, then, save the phone number in the phonebook.
(refer to page 28)

MUTE

The caller cannot hear you and any sound from your side, while you can hear his or her voice.

- 1 Press [] [] "MUTE".

- To unmute, press [] [].



SPEAKER MODE

- 1 Press [] [] "SPEAKER MODE".

MAKING AN EMERGENCY CALL

An enhanced 000/112/911/*911 feature that puts your phone on the Emergency Call Mode when you dial the preprogrammed emergency number 000/112/911/*911. It even operates in the lock mode and out of the service area.

EMERGENCY CALL IN LOCK MODE

The 000/112/911/*911 call service is available even in the lock mode.

- 1 Enter "000/112/911/*911" and press [].



- 2 The call connects.
- 3 The phone exits the Lock Mode in 5 minutes.

When the call ends, the phone returns to the Lock Mode.

EMERGENCY CALL USING ANY AVAILABLE SYSTEM

- 1 Enter "000/112/911/*911" and press [].
- 2 The call connects.
- 3 Reserve emergency mode during 5 minutes.

- When the call ends, the phone returns to the Emergency mode.
- The phone continuously attempts to receive service from any available system.

MEMO

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Chapter 3

MEMORY FUNCTIONS

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3

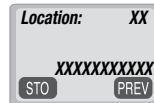
This chapter addresses memory functions including:

- ✓ STORING A PHONE NUMBER
- ✓ ENTERING LETTERS, NUMBERS & CHARACTERS
- ✓ MAKING A CALL THROUGH THE PHONE BOOK

STORING A PHONE NUMBER

The phonebook stores up to 300 numbers.

- 1 Enter a phone number (more than 3 digits) you want to store and press [☺], and [☹] "Store"



- 2 The next available location number is automatically displayed.



- Enter the location number if you have a specific location number in mind or when you add another phone number to the location already used.
- "XX LOCATION IS USED" indicates that the location has already stored a phone number.
- Press [☺] to accept the existing name in the location number.

- 3 Enter a name with digit keys (refer to page 29).

Press [☺] to store.



- 4 Use the scroll key to select one of the phone types mobile/home/office and press [☺].

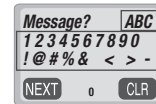


- 5 Select "No" unless you want to make it secret and press [☺].



ENTERING LETTERS, NUMBERS & CHARACTERS

The input mode indicator appears on the upper right of the display when letters and numbers are entered. Press [☺] to select the desired input mode among the 4 modes below, then enter letters and numbers you want.



Text input mode indicator

ABC : ABC mode
123 : Number mode
☺ : T9 mode

Symbol mode

The following illustrates how to utilize the available functions for each assigned key:

KEY	FUNCTION
Mode ☺	Press to change mode. [T9Abc][Abc][123][Symbol mode]
[☺] Next	Press to view the next matching word if the highlighted word is not the word you intended.
[☺] Space	Press once to accept a word and add a space.
[☺] Shift	Press to select a letter case of the standard text input or T9 text input mode. [Abc], [ABC], and [abc] indicate the standard text input. [T9Abc], [T9ABC], and [T9abc] indicate the predictive text input.
☺ Clear	Press once to delete a character to the left of the cursor.
☺ Left ☺ Right	To move the cursor.

ENTERING LETTERS, NUMBERS & CHARACTERS

STANDARD INPUT MODE

Enters letters using the digit keys.

- 1 Input the letters using the keypad as follows.

Keypad	1 Time	Repetitions 2 times	Repetitions 3 times	Repetitions 4 times	Repetitions 5 times
1	1	.	@	-	'
2ABC	A	B	C	2	A
3DEF	D	E	F	3	D
4GHI	G	H	I	4	G
:	:	:	:	:	:
9WXYZ	W	X	Y	Z	9

You can change the input mode by pressing [].

- 2 Press [] to give a space.
The cursor automatically moves to the next column in two seconds.
- 3 Repeat until you enter all the letters you want.
There is a 16-digit limit in the Name entry of the phonebook
- 4 Erasing letters
Press [] to delete one digit.
Press and hold [] to delete the entire number.

Select Abc mode, by pressing [].

When you select this mode, the abc icon appears as a visual confirmation.

- Find the key that corresponds to the letter you want to enter.
- Press it as many times as needed for the letter to appear on the screen.
- To enter the name "John":

Press [] J
Press [] [] [] o
Press [] [] h
Press [] [] n

※ [] - Press once to accept a word and add a space

Location: XX
Name? Abc
STO CLR

Location: XX
Name? John
STO CLR

ENTERING LETTERS, NUMBERS & CHARACTERS

T9 INPUT MODE

The T9 input mode incorporates a built-in-dictionary to determine a word based on the entered characters. A word can be entered more quickly by pressing a key once per character.

- 1 Select the T9 mode with [].
- 2 Press a digit key once to enter the letters you want.
- 3 Press [] to view the next matching word.
- 4 Press [] to accept the word and add a space.



To write a compound word.

- Write the first part of the word and press [] to accept it.
- Write the last part of the word and press [] to enter the word.



To write "phone book" in the T9 input mode.

- Press [] to select the T9 input mode and [] to choose the small letter case (T9abc).

- Press [] [] [] [] [] and you will see "phone" highlighted. Press [] to view other possible words then press [] to select it.

- Press [] [] [] [] and you will see "book" highlighted. Press [] to move to the next matching word and [] to select the compound word or press [] to select the compound word and add a space.


Message? Abc
Phone Book

NEXT 10 CLR

ENTERING LETTERS, NUMBERS & CHARACTERS

NUMERIC MODE

Allows you to enter numbers.


- 1 Press [] until a current input mode changes to the Numeric mode.



- 2 Press a digit key to enter a number.



SYMBOL MODE

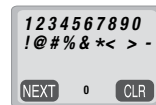
Allows you to enter symbols.

- 1 Press [] until the "Symbol mode" is on.

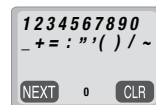
- 2 Press the number for the symbol you want to enter.


- Use the scroll keys on the side of the handset to view a different line of symbols.

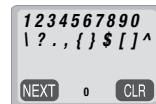
Press [ ],



Press [ ],



Press [ ],




MAKING A CALL THROUGH THE PHONEBOOK

ONE-TOUCH DIALING

Dials a number by simply pressing its location number in the phone book.

00~99 : Press and hold the last digit of a location number of the phonebook in the phone book number until the call is connected.



- "Empty Location" is displayed when there is no phone number stored in the location.
- A phone number that is set to secret will not be displayed.
- A call can be made by pressing its location number and [].

MEMO

IC
3

Chapter 4

MENU FUNCTION

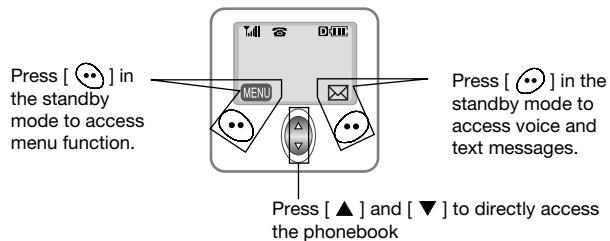
IC
4

This chapter addresses menu functions including:

- ✓ PHONEBOOK
- ✓ SETTING
- ✓ TONE
- ✓ TIMER
- ✓ SPECIAL
- ✓ ALERTS
- ✓ DATA SERVICE
- ✓ MODEM SET-UP
- ✓ DIAL-UP NETWORKING
- ✓ CHANGE SYSTEM

PHONEBOOK

To access the menu in standby mode press [☺]. Once in the menu, both [☺] and [☺] functions appear on the bottom line of the display.

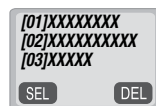


CALL LOGS

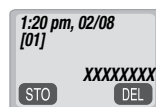
Displays information about the last 10 missed, answered and dialed numbers. Places call by simply pressing [☺].

MISSED CALLS

- 1 Press [☺] [1-] [1-] [1-].



- 2 Press [☺] to view the detail of a missed call when the number is highlighted.



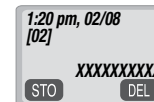
NOTE Details include date, time, and phone number of missed calls.

- 3 Use the scroll key to scroll through the last 10 missed calls and to select a number.
- 4 Press [☺] to dial the phone number of the missed call.

PHONEBOOK

ANSWERED CALLS

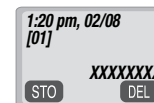
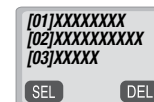
- 1 Press [☺] [1-] [1-] [2nd].
- 2 Highlight a number and press [☺] to view the details of the answered call.
- 3 Press [☺] to dial the phone number of the answered call.



NOTE Details include date, time, and phone number of answered calls.

DIALED CALLS

- 1 Press [☺] [1-] [1-] [3rd].
- 2 Press [☺] to view the details of a dialed call.
- 3 Press [☺] to dial the phone number of the dialed call.



NOTE Details include date, time, and phone numbers of dialed calls.

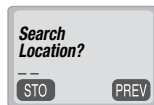
PHONEBOOK

RECALLING BY LOCATION

Recalls a number from the phonebook by pressing its location number.

1 Press [] [] [].

2 Enter a location number.



Use the navigation key instead of entering a location number to search, and press [] to view the details of a selected number.

3 Search a phone number with the scroll key.

- [] [] scroll through the phonebook
- [] edit the phone #.
- [] erase the phone #.
- [] [] [] search mobile No./office No./home No./Email Address.

4 To dial the selected number press [].

PHONEBOOK

RECALLING BY NAME (ALPHA)

Retrieves a phonebook entry by name or its character string and simply makes a call by pressing [].

1 Press [] [] [].

2 Enter a name or its character string and press [] to sort out and display the searched names in alphabetical order regardless of letter case.



3 Search the name you want to call and locate a phone number using the navigation key.

- [] edits the phone #.
- [] erases the number.
- [] [] [] search mobile No./office No./home No./Email Address.

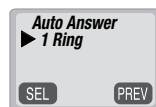
4 Press [] to dial the searched number.

SETTING

AUTO ANSWER

Automatically answers a call after a preset number of rings. An ideal setting for the hands-free car kit.

- 1 Press [] [] [].



- 2 Select one from (Off/1 ring/3 rings) with the scroll key. Press [] to save.



This function will not be activated when you select Slide bell, Vibration, Silent, or Bell after vib as a ring mode.

ONE-TOUCH DIALING

Dials a phone number with one touch of the location number.

- 1 Press [] [] [].



- 2 Select "Yes" or "No" with the scroll key. Press [] to save.

SETTING

BACKLIGHT

Backlights the display and keypad for easy viewing in dark places.

- 1 Press [] [] [].



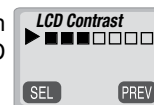
- 2 Select one of the following options (Off/10 secs /20 secs/30 secs/Off in day) with the scroll key. Press [] to save.

- Off : Turn the backlight off.
- 10 secs, 20 secs, 30 secs : Backlight on for 10, 20, or 30 seconds respectively after a touch of the keypad.
- Off in day : Always off in a daytime.

LCD CONTRAST

The LCD display contrast can be controlled in 7 Steps.

- 1 Press [] [] [] and then the scroll keys to adjust the LCD contrast for better view.



- 2 Press [] to save.

LOGO DISPLAY

Allows you to select a logo to display on screen.

- 1 Press [] [] [].



- 2 Select either "DIGITAL CLOCK" or "DATE & TIME", then press [] to save.

SETTING

WAP IDLE TIME

This function disconnects your phone from a network when there is no key input for a certain time period.

- 1 Press [] [] [] to set the wap idle timer.



- 2 Use the scroll key to set the wap idle timer or press digit keys to enter the time on your own.

KEY GUARD

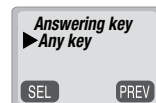
- 1 Press [] [] [].



- 2 Select either "ON" or "OFF" or "POWER ON", then press [] to save.

ANSWERING KEY

- 1 Press [] [] [].



- 2 Select either "ANY KEY" or "SEND KEY ONLY", then press [] to save.

TONE

RING MODE

Alerts you to incoming calls in the following modes:

- 1 Press [] [] [].

- 2 Select one of the following options (Ringer/Slide bell/Vibrate/Silent/Bell after vib) with the scroll key.

- Ringer
- Slide bell : The bell volumes up in 5 steps.
- Vibrate
- Silent
- Bell after Vib : The bell rings after 2 vibrations.

- 3 Press [].

RING TYPE

Select a ring type to alert you of an incoming call:

- 1 Press [] [] [].



- 2 Select one of 13 available ring types.

- Ring (1-6).
- Melodies (7-13).

- 3 Press [].

TONE

RINGER VOLUME

This function enables you to control the Ringer volume.

- 1 Press [] [] [] to adjust the Ringer volume.
- 2 Adjust the Ringer volume with the scroll key.
- 3 Press [].

SPEAKER MODE

- 1 Press and hold [] until “Speaker Mode On” is displayed or press [] [] [].
- 2 Select “NORMAL MODE” or “SPEAKER MODE” with the scroll key.
Press []

TIMER

Checks the talk time and manages your calls within the limit you set.
The four timers include:

LAST CALL

Displays talk time of last call.

- 1 Press [] [] [].

ALL CALLS

Displays talk time of all incoming and outgoing calls, excluding wap access calls.

- 1 Press [] [] [].

HOME CALLS

Displays talk time of all calls made within Home area.

- 1 Press [] [] [].

ROAM CALLS

Displays talk time of roaming calls.

- 1 Press [] [] [].

SPECIAL

SCHEDULE

Organizes and tracks your schedule.

LIST ALL

Lists and displays scheduled activities.

- 1 Press [] [] [] [] or [] [].
Pressing [] displays schedule details.

INPUT SCHEDULE

Inputs your schedule and sets its alarm.

- 1 Press [] [] [] [] or [] [].
- 2 Select a date in the calendar and press [].

[] / [] - month input.

[] / [], numeric key - day input.

- 3 Select one of the following options.

Alarm type : Press [] to select "One time" or "Daily".

Schedule title : Press [] to input a schedule title.

Phone number : Press [] to input a phone number and reserve a call.

- 4 Then press [].

PAUSE ALL

Places all schedules on hold.

- 1 Press [] [] [] [] or [] [].
- 2 Select "Yes" or "No" with the scroll key and press [].

SPECIAL

STOPWATCH

- 1 Press [] [] [].



- 2 Press [] / [] to use the stopwatch.

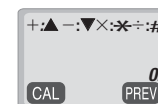
Press [] to start or stop.

Press [] for Split/Split Release /Initial/Previous.
The time is displayed in a 100th unit of a second.

- 3 Press [] to exit and return to the initial display.

CALCULATOR

- 1 Press [] [] [].



- 2 To use the calculator.

Definitions

+ : [], - : [], × : [], ÷ : [], = : [], . : []
You can enter up to 8 integer digits.

There is no way to enter a decimal point.

To express a negative number, you subtract its absolute value from 0.



To calculate 128 × 32 =

1. Enter 128

2. Press []

3. Enter 32

4. Press [] to calculate it.

SPECIAL

BIORHYTHM

Provides your physical, emotional and intelligent condition for today or a specific day. You will have input your birthday before using this function.

1 Press [] [] [].

2 Press [] "BIRTHDAY".
Enter your birthday in year/
month/day, and then press [].



3 Select "Today" to check out your biorhythm for today or "Someday" to check out your biorhythm for a specific day.

- The biorhythm functions only when the phone can synchronize with the network system.
- You cannot enter a date earlier than your birthday to check out the biorhythm for the specific date.
- You cannot enter your birthday later than today, either.



What is the biorhythm?

Biorhythm is a life rhythm that consists of three rhythm curves, which are a physical, emotional and intelligent ones. The rhythm will match up to your condition from birth to death.

How does it work?

You will see a physical, emotional, and intelligent quotient with a number indicating how many days have passed from birth to date. The biorhythm is displayed on the upper portion of the screen.

① Physical rhythm

The physical rhythm controls your physical condition in a cycle of 23 days, such as resistance to diseases, muscle strength, agility, speed, physiology, and so on.

② Emotional rhythm.

The emotional rhythm manages creativity, sensitivity, recognition and human nature in a cycle of 28 days.

③ Intelligent rhythm.

The intelligent rhythm affects our susceptibility to fright, acceptance of knowledge, logical and analytic power, and memory in a cycle of 33 days.

ALERTS

MIN ALERT

Sounds an alert every minute of a phone call.

1 Press [] [] [].

2 Select "On" or "Off" with the scroll key and press [] to save it.

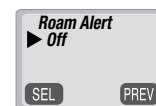


ROAM ALERT

Sounds an alert when leaving a service area and entering a roaming service area.

1 Press [] [] [].

2 Select "On" or "Off" with the scroll key and press [] to save it.



FADE ALERT

Sounds an alert when entering an area where calls cannot be made due to weak signal strength. The alert sounds in standby mode.

1 Press [] [] [].

2 Select "On" or "Off" with the scroll key and press [] to save it.



ALERTS

LOW SIGNAL ALERT

Sounds an alert when low signal strength is encountered during a call.

1 Press [] [] [].

2 Select “On” or “Off” with the scroll key and press [] to save it.



CONNECT ALERT

Notifies you that a call has been successfully placed.

1 Press [] [] [].

2 Select one of the following options (OFF/LOW/MED/HIGH) with the scroll key. Press [] to save it.

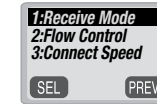
- OFF : Alert Off
- LOW : Calm Alert
- MED : Moderate Alert
- HIGH : Loud Alert



DATA SERVICE

RECEIVE MODE

1 Press [] [] [].



2 Select one from (INACTIVE/DATA/FAX) with the scroll key and press [].

- INACTIVE : In use of the phone
- DATA : For use of data
- FAX : In use of a fax

FLOW CONTROL

Controls data flow when data service is received.

1 Press [] [] [].



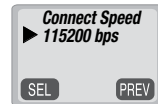
2 Select either “HARDWARE” or “SOFTWARE” with the scroll key and press [] to save it.

- HARDWARE : Hardware flow control
- SOFTWARE : Software flow control
(RECOMMEND : Hardware flow control)

DATA SERVICE

CONNECT SPEED

1 Press [] [] [].



2 Select one from (19200 bps/115200 bps) with the scroll key and press [].

- 19200 bps
- 115200 bps

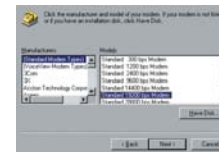
MODEM SET-UP

1 Select Modem in the Control panel menu.

2 Select Add, tick the box on Don't detect my modem I will select it from a list and then click Next.



3 Select Standard 19200bps Modem and click Next.



4 Select COM1 or COM2 which your handset is connected to and click next.



5 Click Finish in the next screen and set up is completed.

6 Please check the system set-up in the initial Modem menu in the control panel as followings.

7 Click Properties to confirm that program setting is correct.



MODEM SET-UP

8 General setting.

- Port : Communication Port that you selected above
- Maximum speed : 19200



9 Connection setting.

- Data bits : 8
- Parity : None
- Stop bits : 1



10 Then all modem setup is finished.

DIAL-UP NETWORKING

1 Select Make new Connection in Dial-up Network after activating My computer in Window s background screen.

2 Type a name for the computer you are dialing and select the previously configured modem and then select next.



3 Type the dial up number provided by your Internet Service Provider (ISP) on the Telephone Number location and then Click NEXT

4 Click Finish. Dial-Up Networking setup is complete.

5 Select Dial-Up Networking and right click on the Icon of your new connection. Select properties.

6 Disable Use area code and Dialling Properties and go to Server Types tab.

7 Enable only TCP/IP network protocols and then select TCP/IP Setting.

8 Enable Server assigned IP address, Server assigned name server address and Use default gateway on remote network. Then click OK twice.

9 Double click the dial up connection icon which you has just set up from the Dial up Networking folder. Type the your user name and password which was provide by your ISP. Press CONNECT.

CHANGE SYSTEM

PREF SYSTEM

Selects the Preferred System.

- 1 Press [] [] [].



- 2 Select one of the following options (Standard / Home Only) with the scroll key and press [].

- Standard : Scan the radio channels based on the Automatic setting.
- Home Only : Only within your home area or home affiliated area.

CHANGE NAM

Changes the NAM (Number Assignment Modules) used by the phone when you have multiple registrations.

- 1 Press [] [] [].



- 2 Select a NAM (NAM1,NAM2) with the scroll key and press [].

PRL ID

Displays the phone's PRL (Preferred Roaming List).

- 1 Press [] [] [].



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Chapter 5 SECURITY FEATURES

This copy addresses security features including:

- ✓ LOCKING YOUR PHONE
- ✓ CHANGING YOUR CODE
- ✓ CHANGING YOUR BANNER
- ✓ RESTRICTING YOUR PHONE
- ✓ RESETTING YOUR PHONE
- ✓ CLEARING MEMORY
- ✓ VERSION

57

LOCKING YOUR PHONE

AUTO LOCK

Prevents others from using your phone without permission.
When locked, the menu cannot be accessed.

- 1 Press [] [] and enter password.
Then press [].



The default password is "0000".

- 2 Select one of the following options (Power On/Off/On) with the scroll key and press [].

"POWER ON" : Locks your phone whenever it is turned on.

"OFF" : Unlocks your phone and leave it unlocked.

"ON" : Locks your phone as it is.



Even if your phone is locked, you can still make an emergency call, receive an incoming call, and set an alarm function.

CHANGING YOUR CODE

CHANGE CODE

Changes your 4-digit password

- 1 Press [] [] and enter password.
Then press [].



The default password is "0000".

- 2 Enter a new password and press [].



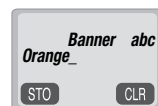
- 3 Enter the new password again and press [].

CHANGING YOUR BANNER

CHANGE BANNER

Changes the banner that displays on the screen. It can be a maximum of 16 characters.

- 1 Press [] [] and enter password.
Then press [].



- 2 Select an input mode by using [].
(Please refer to page 29 for more details on entering letters and numbers.)

- 3 Enter a new banner then press [].

RESTRICTING YOUR PHONE

RESTRICT

Prevents the unauthorized use of the phone and the changing of settings. There are 5 different restriction modes available.

- 1 Press [] [] and enter password.
Then press [].



The default password is "0000".

- 2 Select "Yes" to enable the restriction with the scroll key and press [].

RESTRICTING YOUR PHONE

INCOMING CALLS

Blocks all incoming calls while allowing outgoing calls to be placed.

- 1 Press [] [] and enter password, then [].
Select "Yes" and press [].



- 2 Select "Allow" or "Restrict" with the scroll key.

RESTRICT : Restrict an incoming call.
ALLOW : Allow an incoming call.

- 3 Press [].

OUTGOING CALLS

Blocks all outgoing calls except emergency calls from being placed, while allowing incoming calls to be answered.

- 1 Press [] [] and enter password, then [].
Select "Yes" and press [].



- 2 Select "Allow" or "Restrict" with the scroll key.

RESTRICT : Restrict an outgoing call.
ALLOW : Allow an outgoing call.

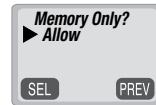
- 3 Press [].

RESTRICTING YOUR PHONE

MEMORY

Blocks access to, and protects data in your phonebook.

- 1 Press [] [] and enter password, then [].
Select “Yes” and press [].



- 2 Select “Allow” or “Restrict” with the scroll key.

RESTRICT : Restrict access to the phonebook.
ALLOW : Allow access to the phonebook.

- 3 Press [].

LONG DISTANCE

Restricts calling long distance numbers – the phone is limited to calling numbers within the area.

- 1 Press [] [] and enter password, then [].
Select “Yes” and press [].



- 2 Select “Allow” or “Restrict” with the scroll key.

RESTRICT : Restrict a long distance call.
ALLOW : Allow a long distance call.

- 3 Press [].

RESETTING YOUR PHONE

RESET

Resets phone to default settings.

- 1 Press [] [] and enter password.
Then press [].



- 2 Select “Yes” or “No” with the scroll key. Press [].



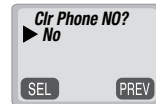
When you select “Yes”, you will see “Reset” on the display, and your phone will return to standby mode.

CLEARING YOUR MEMORY

CLEARING THE PHONEBOOK

Clears all phonebook entries.

- 1 Press [] [] and enter password.
Press [] [].



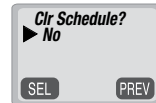
NOTE The default password is "0000".

- 2 Select "Yes" or "No" with the scroll key.
Press [].

CLEARING SCHEDULES

Clears all schedules.

- 1 Press [] [] and enter password.
Then press [] [].



- 2 Select "Yes" or "No" with the scroll key.
Press [].

CLEARING YOUR MEMORY

CLEARING CALL LOGS

Clears all dialed numbers from call logs.

- 1 Press [] [] and enter password.
Then press [] [].



NOTE The default password is "0000".

- 2 Select "Yes" or "No" with the scroll key.
Press [].

CLEARING HOME CALLS

Clears airtime used for home calls.

- 1 Press [] [] and enter password.
Then press [] [].



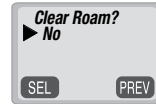
- 2 Select "Yes" or "No" with the scroll key.
Press [].

CLEARING YOUR MEMORY

CLR ROAM CALLS

Clears airtime used for roaming calls.

- 1 Press [] [] and enter password.
Then press [] [].



The default password is "0000".

- 2 Select "Yes" or "No" with the scroll key. Press [].

VERSION

VERSION

Displays the version of your phone.

- 1 Press [] [] and enter password.
Then press [].



Chapter 6

VOICE MAIL AND TEXT MESSAGE

This chapter provides information on Voice Mails and Text Messages including:

- ✓ WHEN A NEW MESSAGE ARRIVES
- ✓ VOICE MAIL
- ✓ SEND NEW
- ✓ INBOX
- ✓ OUTBOX
- ✓ SETTINGS
- ✓ FILED
- ✓ ERASE MESSAGES

WHEN A NEW MESSAGE ARRIVES

- 1 The following display appears when a new message arrives.



- 2 Press [] to display the received message.

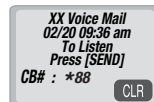


VOICE MAIL

Displays the voice mails and accesses them by pressing [].

- 1 Press [] [].

The screen displays the new voice mails in your voice mailbox.



Press [] to access your voice mailbox.

SEND NEW

To send a new message:

- 1 Press [] [].
- 2 Input a phone number and press [].



- 3 Input a text message and press [].
(Please refer to page 29 for more details on entering letters and numbers.)



1. SEND

- 1 Press [] to send the text message.



2. EDIT RECIPIENT

Edits the recipient's information – select if a wrong number is entered.

- 1 Press [] to change the recipient.
- 2 Input a new phone number, and press [].
- 3 Input a new text message, and press [].
- 4 Press [] to send.

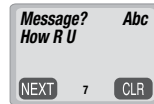


SEND NEW

3. EDIT MESSAGE

Edits messages.

- 1 Press [3^{msg}] to change the text message.



- 2 Input a new text message, and press [2^{msg}].

4. SAVE

This allows you to save the message to use later.

- 1 Press [4^{msg}] to save the text message.



INBOX

Manages received text messages. (capacity is 18 messages.)

- 1 Press [1^{msg}] [2^{msg}] [3^{msg}].

! : Urgent New Msg
 ✉ : New Msg (unread)
 ✉ : Old Msg (read)
 ✉ : Lock (read)



- 2 Select a message and press [2^{msg}].
 The message is displayed.



- 3 Then press [2^{msg}].

1. REPLY

- 1 Press [1^{msg}] to reply to the text message.



- 2 Type your reply and press [2^{msg}].
 (See page 29 for more information on entering letters, numbers and characters.)



2. ERASE

- 1 Press [2^{msg}] to erase the text message



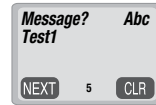
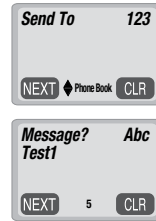
- 2 Press [2^{msg}] when you see "Erase This Message?"



INBOX

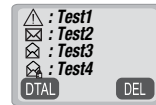
3. FORWARD

- 1 Press [3rd] to forward the text message. Input a phone number and a text message.



4. SAVE

- 1 Press [4th] to save the received text message in the "Filed" Folder.

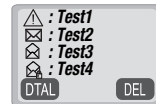


5. SAVE ADDRESS

- 1 Press [5th] to save the callback number of the message into the phone book.

6. LOCK & UNLOCK

- 1 Press [6th] to lock or unlock the text message.
- 2 Select "Lock" or "Unlock" with the scroll key. Then, press [2nd].

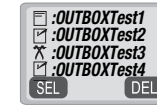
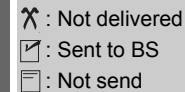


OUTBOX

Manages sent text messages. (capacity is 6 messages.)

CHECKING SENT TEXT MESSAGES

- 1 Press [2nd] [4th].
Select a message with the scroll key.
Then press [2nd].



- 2 The text message is displayed.



- 3 Then press [2nd].

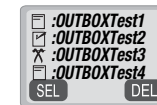
1. RESEND

- 1 Press [1st] to resend the text message.



2. ERASE

- 1 Press [2nd] to erase the text message and press [2nd].



OUTBOX

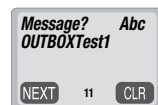
3. SEND TO

- 1 Press [3] to send the message to another person.

- 2 Input a phone number and press [2].

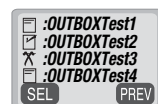


- 3 Press [2].



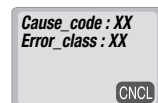
4. SAVE

- 1 Press [4] to save the sent text message in the "Filed" folder.



5. STATE

- 1 Press [5] to display the state of the sent message.



SETTINGS

Manages messaging features through various options.

SAVE SENT MESSAGES

Saves all sent message.

- 1 Press [2] [5].



- 2 Press [1].
Select one from (No/Yes/Prompt) with the scroll key. Press [2].

MESSAGE ALERT

Enables phone to alert you of an incoming message.

- 1 Press [2] [5].



- 2 Press [2].
Select one from (Ringer/Vibrate/ Silent/Ringer & Remind/ Vibrate & Remind) with the scroll key.

Ringer & Remind or Vibrate & Remind rings or vibrates respectively every 2 minutes to remind you of an incoming message. They will be cleared when any key is pressed.

- 3 Press [2].

SETTINGS

AUTO ERASE

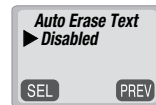
Automatically erases inbox/outbox messages when new messages arrive.

1 Press [] [].

2 Press []. Select "Inbox" or "Outbox" with the keypad.



3 Select "Disabled" or "Old Inbox" with the scroll key.



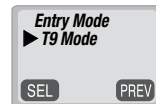
4 Press [].

ENTRY MODE

Sets an Entry Mode as a default.
The T9 mode indicator will appear whenever the input mode is activated if the T9 mode is set as a default.

1 Press [] [].

2 Then press [].
Select "T9 Mode" or "Alpha Mode" with the scroll key.
Press [] to save.



FILED

FILED

Manages saved messages from the Inbox/Outbox.

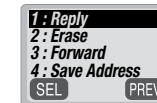
1 Press [] [].
Select a text message with the scroll key.
Press [].



2 The text message is displayed.
Press [].



3 3.1 If the text message is saved from "Inbox" menu, this screen will be displayed.



3.2 If the text message is saved from "Outbox" menu, this screen will be displayed.



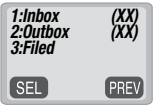
4 Select one by pressing [].


ERASE MESSAGES

Erases all the messages from the Inbox, Outbox or Filed folder.


ERASE MESSAGES

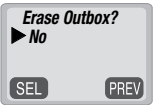
1 Press [] [].




2 2.1 Press [] to erase the inbox messages.
Select “No” or “Old Inbox” or “Entire inbox” with the scroll key.



2.2 Press [] to erase the outbox messages.
Select “Yes” or “No” with the scroll key.



2.3 Press [] to erase the filed messages.
Select “Yes” or “No” with the scroll key.



3 Press [] to save it.

Chapter 7 WAP BROWSING

This chapter addresses using your phone to access the Internet. Please contact your service provider for more information on web browsing.

- ✓ START INTERNET BROWSER
- ✓ BROWSER MENU

START INTERNET BROWSER

ACCESS THE INTERNET

- 1 To start your Internet browser and access websites through your wireless handset, press and hold [Ⓜ].



BROWSER MENU

The browser menu lists the actions necessary to operate the browser. Press and hold [Ⓜ] to access the browser menu.

RELOAD

- 1 Press and hold [Ⓜ], then press [1] to reload the current page.



HOME

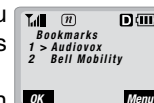
- 1 Press and hold [Ⓜ], then press [2] to display the homepage.



BROWSER MENU

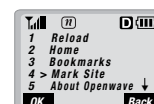
BOOKMARKS

- 1 Press and hold [Ⓜ], then press [3] to view your bookmark list. The list of frequently visited websites will easily connect you to a website without entering its URL. Press and hold [*] key while in a Browser session allows you to view Bookmarks list.



MARK SITE

- 1 Press and hold [Ⓜ], then press [4] to add the current page to your bookmark list.



"No bookmark service site" is displayed, when the Internet site cannot support the bookmark service.



ABOUT OPENWAVE

- 1 Press and hold [Ⓜ], then press [5] to view the browser version and copyright information.



BROWSER MENU

ADVANCED...

- 1 Press and hold [⏏], then press [6] to display the Advance menu as follows.



SHOW URL

- 1 Press [1] to display the URL (Uniform Resource Locator) of the current page. The URL is the address of a website.



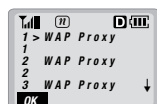
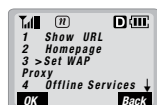
HOMEPAGE

- 1 Press [2] to change your home page. When you start the web browser, the page will be launched as a home page.



SET WAP PROXY

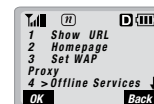
- 1 Press [3] to select an alternate UP.Link.



BROWSER MENU

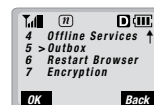
OFFLINE SERVICES

- 1 Press [4] to allow you to navigate through a list of installed channel applications and guide you to the entry point of the applications.



OUTBOX

- 1 Press [5] to display how many items are delivery-pending and how old the items have remained.



RESTART BROWSER

- 1 Press [6] to clear the history of viewed pages and to start a new session with UP.Link.



ENCRYPTION

- 1 Press [7] to use for security.



BROWSER MENU

ETC.

BACK

- 1 Press [↶] to move to previous page.
- 2 Press and hold [↶] will go to browser menu.

ENTERING URL

- [⌫] : To delete a letter.
(press and hold “⌫” delete all)
- [→] : To move right.
- [↑] : To move up.
- [↓] : To move down.

Chapter 8
SAFETY AND WARRANTY

This chapter addresses Safety and Warranty issues including:

- ✓ SAFETY INFORMATION FOR WIRELESS
HANDHELD PHONES
- ✓ SAFETY INFORMATION FOR FCC RF EXPOSURE
- ✓ SAR INFORMATION
- ✓ PROTECT YOUR WARRANTY
- ✓ 12 MONTH LIMITED WARRANTY

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read This Information Before Using Your Handheld
Portable Cellular Telephone

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *
NCRP Report 86 (1986) *
ICNIRP (1996) *

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C951).

The design of your phone complies with the FCC guidelines (and those standards).

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

1* : American National Standards Institute.
2* : National Council on Radiation protection and measurements.
3* : International Commission on Nonionizing Radiation Protection.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

DRIVING SAFETY

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them.

Also, if using your phone while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions so require.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes.

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the airbag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.



WARNING: Failure to follow these instructions may lead to serious personal injury and possible property damage.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

PACEMAKERS

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers :

- ALWAYS keep the phone more than six inches from your pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

OTHER MEDICAL DEVICES

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

POSTED FACILITIES

Turn your phone OFF where posted notices so require.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

OTHER SAFETY GUIDELINES

AIRCRAFT

FCC and Transport Canada Regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

BLASTING AREAS

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or articles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle's engine.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating, read all instructions and cautionary markings on (1) AC Adaptor (2) Battery and (3) Product Using Battery.



DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.



DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.



DO NOT expose this equipment to rain or spilled beverages.



DO NOT use unauthorized accessories.



DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized Audiovox cellular service center. If unit is disassembled, the risk of electric shock or fire may result.



DO NOT short-circuit the battery terminals with metal items etc.

SAFETY INFORMATION FOR FCC RF EXPOSURE



WARNING! Read this Information before using

CAUTIONS

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 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.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION

This device was tested for typical body-worn operation with the back of the phone kept 0.5 inches (1.27cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.5 inches (1.27cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. All belt-clips, holsters and similar accessories used by this device must not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure limits and should be avoided.

VEHICLE MOUNTED EXTERNAL ANTENNA (OPTIONAL, IF AVAILABLE)

A minimum separation distance of 7.9 inches (20cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.



For more information about RF exposure, please visit the FCC website at www.fcc.gov

SAR INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT'S
RE-QUIREMENTS 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 radiofrequency (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 (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.1807 W/kg and when worn on the body, as described in this user guide, is 1.1826 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). 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/fccid> after searching on PP4TX-21B.

SAR INFORMATION

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.wow-com.com>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/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.

" The HYUNDAI TX-21B complies with the Australian Standard for SAR. The SAR measurement for this telephone is 1.1826"

PROTECT YOUR WARRANTY

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit.

"Warranty does not apply to... or to any product or part thereof which has suffered through alteration... mishandling misuse, neglect or accident".

Many companies are making look alike accessories and in some cases, promoting that their product is equal to or better than the product Be careful. Some of these products may not be compatible to use with your product and may damage the unit or cause it to malfunction. It service is required on your unit and it is determined that a non-Hyundai accessory has created the problem with your unit the Warranty with not apply. In addition if the unit has already suffered irreversible damage by reason of a non-compatible accessory the Warranty will be voided. To protect your Warranty use only compatible accessories which cannot damage or interfere with the functioning of your product.



NSW

Tel : 02)9714-1906

Address : Unit 5, Silver State, 107 Carnarvon St., Silverwater.
NSW2128

All other states except NSW (QLD, VIC, WA, SA, TAS)

Tel : 03) 9348-5555

Address : 372 Spencer Street, West Melbourne, Vic3003

HYUNDAI Help Line : 1800 224 537

12 MONTH LIMITED WARRANTY

HYUNDAI COMMUNICATIONS CORP.(the Company). war-rants to the original retail purchaser of this HYUNDAI Portable Cellular Telephone, that should this product or any part thereof(except the items listed below), under normal use and conditions, be proven defective in material or workmanship within the first twelve (12) month period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts)at the Company s option, without charge for parts or labor directly related to the defect(s).

The accessories consisting of the antenna and rechargeable battery pack, desktop charger have a six (6) months warranty from original purchase.

This Warranty does not apply to batteries, fuses, or costs incurred for testing or checking, or to any product or part here-of which has suffered through alteration, serial number defacement, improper installation, excessive temperature or humidity, environmental conditions, mishandling misuse, neglect or accident. This Warranty is not assignable or transferable.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of warranty coverage, specification of defect(s), postage paid, to the Company at the address shown below. For TRAVELERS WAR-RANTY SERVICE.

NSW

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Address : Unit 5, Silver State, 107 Carnarvon St., Silverwater.

NSW2128

All other states except NSW (QLD, VIC, WA, SA, TAS)

Tel : 03) 9348-5555

Address : 372 Spencer Street, West Melbourne, Vic3003

HYUNDAI Help Line : 1800 224 537

THE EXTENT OF THE COMPANY S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

The Company disclaims liability for geographic coverage, inadequate signal to antenna, communications range or operation of the Cellular System as a whole.

12 MONTH LIMITED WARRANTY

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NSW

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NSW2128

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