Telian Corporation

FWT-8100 and FWT-8000

Fixed Wireless Terminal
~~Mar~~ April ~~22~~9, 2001.

Congratulations

Your new cellular telephone is a carefully engineered, high quality, durable product with natural sound quality, modern features and elegant styling. It is designed to give you the quality and convenience you expect in a cellular telephone.

To familiarize yourself with all the features of your new

phone, please read the following instructions carefully. Retain this Guide for future reference.

■ INTRODUCTION

◆ Safety Information

As with any product, precautions should he observed during it's handling and use. To become enlightened to safe and proper procedure please read and adhere to all warnings, cautions, and safety information.

- Avoid using the telephone during an electrical storm. There is a remote risk of dangerous electrical shock from lightning.

- Do not attempt to disassemble the housing of your phone or any of it's related parts. There are no user serviceable components.

- A minimum distance of 2 ~~feet~~ inches should be kept between the telephone antenna and any organic life forms (i.e. people, small animals, etc.) during operations.

- Damage Requiring Service : Your telephone should he serviced by qualified service personnel when:

  a. Objects have fallen or liquid has spilled into the product; or
  b. The product has been exposed to rain; or
  c. The product does not appear to operate normally or exhibits a marked change in performance; or
  d. The product has been dropped, or the housing has been damaged.

- Never touch uninsulated telephone wires or terminals.

⚠ !	**Caution~~WARNING~~ !** **NEVER power the unit without an antenna, as it may damage the radio transmitter.**

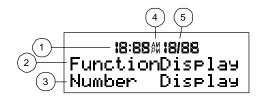| ⚠ !	**~~WARNING~~ Caution !** **To satisfy FCC radio-frequency exposure requirements, the antenna for this device must be placed 2 inches (5 cm) or more from all persons, while it is in operation.~~NEVER operate the unit when any person is within 2 inches (5 centimeters) to the antenna.~~**

◆ **Features**

- ✦● Easy to read LCD display with numeric and status
- indicators
- ✦● Back-lit LCD display
- Microphone mute Control
- Priority/Emergency calling with automatic retry
- Automatic call retry
- ✦● 89 memory locations
- 7 Location Scratch Pad, with automatic scroll
- Vacant memory location search
- Automatic entry into vacant memory location
- ✦● Phone number search
- One Touch Dialing
- One Touch Emergency Call
- Last 10~~3~~ number dialed memory
- Silent Incoming Calls
- ✦● Call time warning tone
- DTMF tone dialing from memory
- DTMF keypad mute
- DTMF extended tone dialing
- RF Channel and RSSI Level display
- Electronic serial number display (own)
- ✦● Telephone number display (own)
- ✦● System ID display (own)
- ➢● 7 function call timer

~~Features to be implemented prior to production~~
~~Features to be implemented now~~
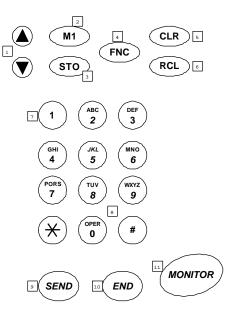~~Features partially implemented now~~

◆ Display Information

① **Current Time Display**

②,③ **FUNCTION Mode** Indicator and **NUMBER Display**

Lights when the FUNCTION key ⦅FNC⦆ is pressed to do extended functions and Displays the telephone number dialed.

④ **AM/PM Display**

⑤ **Current Date Display**

◆ Key and Miscellaneous Information

1 VOLUME ADJUSTMENT keys ▲/▼

Used to adjust the alert tone, earpiece, keypad tone and monitor volume level

2 ONE TOUCH DIAL and MUTE key M1

In idle mode. Allows you to place a call with a single keystroke. In conversation mode, switches off the microphone so the other party on the line cannot hear your private conversation off line.

3 STORE Key STO

When used in conjunction with digit keys, enables the user to store number into memory.

4 FUNCTION Key FNC

When used in conjunction with digit keys, allows operation of extended functions

5 CLEAR Key CLR

Clear the digit(s) from the display.

6 RECALL Key RCL

Recalls telephone numbers from memory.

7 **ONE TOUCH EMERGENCY** Key (1)

Allows you to place a call to an emergency number by a single keystroke

8 **DIGIT** Keys (1) thru (OPER 0) , (#) and (*).

Enter telephone numbers, NAM information, etc,.

9 **SEND** Key (SEND)

Initiates a call and allows the user to answer calls.

10 **END** Key (END)

Terminates a call.

11 **MONITOR** Key (MONITOR)

Turn on and off the loudspeaker for conversation monitoring.

12 **Sleeve type Antenna**

13 **LCD Display Module**

14 **Loudspeaker**

15 **Keypad**

16 **Hook Switch**

For signaling start and end of call.

17 **Receiver Unit**

Hear the voice signal from the another party.

18 **Handset**

19 **Mic Unit**

Transmit speaking signal to another party.

20 **Coiled Cord**

■ BASIC OPERATION

◆ Turning the Phone ON

Each time the unit powers up it goes through certain "Wake Up" routines. Upon power up, all indicators will light and your own telephone number will be displayed momentarily. At this point your phone is operational and ready for use.

> ⚠ *LCD backlite turns off after 8 seconds to save power. Pressing any key relights the Display for another 8 seconds*

> ⚠ *If the NO SERVICE indicator **NO Service** remains illuminated calls cannot be placed or received as the "cellular System" is not available in the area you are currently in.*

Display Own Telephone Number and System ID

- ✔ To display your Telephone Number, press **"FNC","#","1"**.
- ✔ To display your System ID, press **"FNC","#","3"**.
- ✔ To clear the display, just press **"CLR"**.

◆ Making and Receiving Calls

Placing Calls

When entering telephone numbers manually, each digit entered will appear in the display panel and will scroll from right to left every time a new digit is entered.

- ✔ To place a call, make sure the power is on (refer to the "Turning the Phone ON "on previous page), enter the desired telephone number and press the **SEND** key. At this point the **IN USE** indicator **INUSE** will light and the dialing sequence will be executed.

- ✔ To correct an error made while entering a telephone number,use the following methods:

  - ● Press the **CLEAR** key ⬡CLR⬡ to erase the last digit entered.
  - ● Press and hold the **CLEAR** key ⬡CLR⬡ to erase all the digits in the display.

● Press the **END** key ⬭ᴇɴᴅ monentarily to erase all the digits in the display.

✔ To cause an on-hook condition after or during the dialing pro-cedure just press the END key ⬭ᴇɴᴅ .

⬦! *The display panel has 15 digits capability, however numbers containing up to 32 digits may be entered, therefore only the last 15 digits dialed will remain in the display.*
Refer to the part in this section entitled "Reviewing the Preceding Digits"

Receiving Calls

The cellular phone features both audio and visual signals to indicate an incoming call.
The telephone will both ring and the word "CALL"will flash repeatedly in the display panel.

✔ To answer an incoming call when the handset is resting in it's cradle, simply lift the receiver. The ringing will stop and the *IN USE* indicator **IN USE** will appear in the display panel.

✔ To answer an incoming call when the handset is removed from It's cradle, press any key except the ⓐⓥ, or the END key ⬭ᴇɴᴅ . IN USE will light and you may proceed with the call as usual.

✔ To hang up the phone after or during a conversation, press the END key ⬭ᴇɴᴅ , or simply replace the handset in it's cradle.

⬦! *If calls go unanswered the word "missed" and the number of unanswered calls will appear and remain in the display until a call is originated.If calls go unanswered the word "CALL" and the number of unanswered calls will appear and remain in the display until the display panel is cleared.*

Silent Incoming Calls

If Silent Alert feature is set, a single beep and a flashing "CALL" message on the display will alert you of an incoming call.

Once you have switched to silent alert, the phone stays in that mode until you deactivate it.

✔ To activate this mode, press "FNC","8".

The "Silent Alert On" should light in the display indicating that Silent Alert Feature has been set.

✓ To deactivate this mode, press "FNC","8" again.
The "Silent Alrt Off" should go off

◆ Reviewing the Preceding Digits

A condition may arise while entering numbers longer than 15 digits when the leftmost part of the entered number scrolls off the display and out of view. The entered number under this condition exists within three possible segments of digits.

✓ To view digit segments which have scrolled off of the display panel, press the **FUNCTION** key **"FNC","*","8"**.
The digits/digit segments displayed depends on the length of the telephone number and the number of times the **"8"**key is depressed within the above procedure.
Use the chart below to correlate your action with the resulting display.

Correlation Chart		
Press "8"	Number Of Digits Entered	
Key	1 ~ 15 Digits	16 ~ 30 Digits	31 ~ 32 Digits
Once	Segment 3	Segment 2	Segment 1
Twice	---	Segment 3	Segment 2
3 Times	---	---	Segment 3

⚠ !

Repeatedly pressing the "8" key will display the next segment inline.
*However once the entire number has been displayed the **Function** indicator will go off as the last segment is displayed and the "8" key will resume its normal digit entry mode of operation.*

◆ Redialing Functions

Last ~~Three~~ Ten Numbers Dialed
This feature is used to display the numbers of the ~~three~~ ten most recent calls that have been made.

✓ To display the number of the most recently made call, press "RCL", "#"~~, "0"~~ Then, other recent numbers can be scrolled using "▲" or "▼", or viewed by entering a digit from 0 through 9. An index is displayed above the phone number, which is 0 for the most recent and 9 for the oldest.

~~.To display the number of the second most recently made call press "RCL", "#", "1".~~

~~.To display the number of the third most recently made call press "RCL", "#", "2".~~

> ⟨!⟩ *If you wish to dial one of these numbers, press the SEND key.*

Automatic Redial

When a "Cellular System" busy signal occurs the Automatic Redial function can be used to redial a telephone number automatically (up to 3 times) at regular intervals 30 seconds apart. ~~The **"Auto- Redial"** will light on the display to indicate Automatic Redial has been initiated.~~

✔ To change Automatic Redial Mode, press the FUNCTION key "FNC","*","7", the 3-digit unlock code, then up arrow or down arrow to enable or disable auto redial, and the "STO" key consecutively.~~To initiate Automatic Redial, press the FUNCTION key "FNC","*","7", and 3-digits code, then up arrow or down arrow to enable or disable auto redial, and the "SEND" key consecutively.~~

~~.If want to save the automatic redial control status then press the "STO" key to save the change.~~

✔ To abort Automatic Redialing which is in progress, simply press the "END" key.

> ⟨!⟩ *A distinction should made be between a "Line busy signal" and a "Cellular System" busy signal. (Automatic Redial will initiate only on a "Cellular System" busy signal.)*

◆ MIC Mute

The MIC MUTE function deactivates the microphone located in the mouth piece of your phone so you can converse at your location and not be overheard by the party on the line.

✔ To toggle the MIC MUTE mode ON, press the "MUTE" key.

The MUTE indicator "MUTE" should now be lit.

✔ To deactivate MIC MUTE mode just press the MUTE key once again. "MUTE" should go dark and normal conversation can be resumed.

> ⟨!⟩ *The Mute mode will automatically be released when the conversation is terminated.*

! The"M1" key can be used as One Touch Dial Key when not in conversation.

■ ENHANCED OPERATION
◆ Locking and Unlocking the Phone
The cellular telephone has a lock feature to restrict the origination of outgoing calls except for One Touch Emergency Call, Emergency (911, 000, 119), the 3 digit emergency number registered in the NAM and those numbers stored in the emergency /priority dialing area. (Refer to "Emergency and Priority Dialing")

✔ To Lock your phone, press the FUNCTION key "FNC", "5" and enter the 3digit registered unlock code. The word "Lock" should now be displayed in the display panel.

✔ To Unlock the unit just enter the same 3digit code you entered as the Lock code.

! While the unit UNLOCK code has been factory set as 123 it may be changed if so desired. Please refer to the section entitled "User Programmable Codes".

*! **The number you enter as a "Lock" code should be written down and stored safely!***

◆ Earpiece Volume Adjustment

The "Earpiece" volume level, controls the loudness of any sounds that emanate from the speaker mounted in the earpiece of your cellular telephone.

✔ To adjust the Earpiece volume level while the IN USE indicator is lit (in conversation), just press the "▲" or "▼" buttons.

✔ To adjust the Earpiece volume level while IN USE is not lit (not in conversation), press the FUNCTION key "FNC", "*", "9", "0" and

then press the "▲" or "▼" buttons to raise or lower the volume level respectively.

➢ Note : When the speaker is on in Monitor mode, the handset earpiece is off.

◆ Loudspeaker Volume Adjustment

The "Loudspeaker" volume level settings control three different aspects of audible tones generated in daily use. All three (keypad tones, alert tones, volume levels may be individually manipulated for maximum customization.

Keypad Volume

The telephone's keypad generates sensory feedback tones (as do many touch-tone phones), the loudness of which may be altered to the preferences of the individual user.

✔ To alter the loudness of the *Keypad* tone while not ringing, in a conversation, or displaying memory, simply press the "▲" or "▼" buttons to raise or lower the volume level respectively.

✔ To alter the loudness of the *Keypad* Tones while not in use, press the FUNCTION key "FNC", "*", "9", "2" and then press the "▲" or "▼" buttons to raise or lower the volume level respectively.

Alert Volume

The telephone's Alert volume (or Ring volume) may also he individually set to a preferred level.

✔ To alter the loudness of the Alert Volume while the telephone is ringing simply press the "▲" or "▼" buttons to raise or lower the volume level respectively.

✔ To alter the loudness of the *Alert Volume* while not ringing, press the FUNCTION keys "FNC", "*", "9", "1", and then press the "▲" or "▼" buttons to raise or lower the volume level respectively.

Monitor Speaker Volume

The volume level of the speaker heard while in Monitor mode may be adjusted to suit the environment in which the phone is being used.

✔ To alter the volume used during *Monitor Mode* operations, while the **IN USE** indicator is lit (during conversation) simply press the "▲" or "▼" buttons to raise or lower the volume level respectively.

✔ To alter the volume level of the *Monitor* speaker while not in use, press the **FUNCTION** key "FNC", "*", "9", "4", and then press the

"▲" or "▼" buttons to raise or lower the volume level respectively.

➤ Note : When the speaker is on in Monitor mode, the handset earpiece is off.

◆ Memory Functions

Up to 89 numbers can be stored in the Memory Dialing System.
Each location can contain a number up to 32 digits in size.

Manual Storage
Telephone numbers may be stored manually into locations 01 through 89.

✔ To use Manual Storage, enter the telephone number to be stored and press the **STORE** key "STO". The telephone number will blink on and off until you enter a 2 digit location number 01 through 89 to which the telephone number will be stored.

⚠ *If the memory location number selected contains a previously stored telephone number the newly entered telephone number will replace the existing one.*

Automatic Storage
This feature is used to store telephone numbers in memory locations automatically.

✔ To use the Automatic Storage feature, enter the telephone number to be stored and press the STORE key "STO" twice. The 2 digit location number 01 through 89 to which the telephone number was stored will he displayed for approximately 1 second~~s~~.

⚠ *If there are no available locations the word* **"FULL"** *will be displayed for seconds and the mode will be released.*

Vacant Memory Location Search
This feature is used to search for unused memory locations to which telephone numbers may be stored. The Vacant Location Search function will try to place phone numbers in memory locations automatically.

✔ To use the Vacant Memory Location Search function, enter the telephone number you wish to store and press the STORE key "STO" At this point you may choose an ascending or descending search order by pressing the "▲" or "▼" button respectively.

✔ When the first vacant memory location is found, that memory location's number will appear ~~briefly~~ in the display panel, on the line above the phone number. The telephone number about to be

stored will continue to flash on and off in the display panel until you either store the number by pressing the SEND key "SEND" or search for another location by pressing one of the "▲" or "▼" buttons.

✔ To exit the Vacant Memory Location Search function without storing the number, just press the END key "END".

Number Search
This feature allows the user to scan , recall and dial numbers stored in locations 1 through 97.

✔ To use Number Search, press the **MEMORY RECALL** key "RCL" and use the "▲" or "▼" buttons to scroll through the memory locations. When occupied locations are found the memory location number (01 through 97) will be displayed in the display panel along with the telephone number assigned to that location number.

✔ To dial a number found in the search process just press the **SEND** key "SEND".

✔ To exit from the search mode at any time, press the **END** key "END"

⚠ *If there are no telephone numbers stored in memory, the word "EMPTY" will be displayed.*

Memory Redial
Telephone numbers can be recalled and dialed from any one of 97 different memory locations.

✔ To dial a number stored in memory, press the **MEMORY RECALL** key "RCL" and enter the 1 or 2 digit location number 1 through 97, you wish to dial. When the desired telephone number appears in the display panel you may press the **SEND** key "SEND" to initiate dialing.

⚠ *Locations 90 through 96 are reserved. (Refer to the "Scratch Pad")*

Location 97 is reserved.(Refer to "Emergency and Priority Dialing")

◆ One Touch Dialing

This feature permits you to place a call by a single keystroke.

Storing a Number into One Touch Memory
Press "CLR", then enter a phone number.

Press "STO", then the One Touch key "M1".
Stored numbers can be reviewed by pressing "RCL", "M1".

Placing a Call to a Number in One Touch Memory
Press the One Touch key "M1".
The telephone number will be displayed, and the IN USE indicator will light as the call is placed.

! *The "M1" key can be used as Mute key during conversation.*

◆ One Touch Emergency Call

This feature permits you to place a call to an emergency number by a single keystroke, even when the unit is in Lock mode. You can deactivate this feature to prevent unintentional usage.

✔ To place a call to the emergency number, press "1" key for more than 2 seconds. The emergency number that is pre-programmed in the NAM will be displayed, and the **IN USE** indicator will light as a call is placed.

✔ The number and on/off state is reviewed using the sequence "FNC", "*", "4", and the 3-digit unlock code (default code is "1","2","3").
If the feature is enabled, "E-on" is displayed. If the feature is disabled, "E-oFF" is displayed. A new number can be entered by pressing number keys. The feature can be enabled using the up arrow or disabled using the down arrow.
To save any changes, press the "STO" key.
To exit without saving any changes, press the "END" key.
To activate this feature again, follow the same key sequence.

◆ Scratch Pad Memory

While in Scratch Pad mode the display may be used as a sort of numerical note pad during conversation and can hold up to 7 entries of up to 32 digits. This "Scratch Pad" can be used to store any kind of numerical data. For example a market quote while on-line with your stock broker or a telephone number supplied by a recording, informing you the number has been changed and "The new number is..."

Storing Numbers in the Scratch Pad
The note pad operates in a "First In First Out"(FIFO) fashion. The first number entered will be stored in memory location 90. When a second number is entered into the note pad the first number will be shifted to location 91 and the newly entered number will occupy location 90. In the same manner, when the seventh number is entered, the first number will be shifted to location 96, and when the eighth number is entered the first entry will he erased.

✔ To begin your entries into the Scratch Pad, enter the first digit sequence you wish to store and press the **FUNCTION** key "FNC", "1". Just repeat this procedure for any following entries.

⟨!⟩ *If a telephone number is present in the display panel prior to your first entry, press the CLEAR key "CLR" to wipe the display.*

Dialing Numbers from the Scratch Pad

Although the Scratch Pad is primarily for use as a temporary Storage device if one of the entries contains a telephone number (as in the "recorded message" example given above) it is possible to recall and dial that entry.

✔ To dial a note pad entry containing a telephone number, press the **RECALL** key "RCL" and enter the desired location number 90 through 96. When the proper entry is displayed press the SEND key "SEND" to initiate the dialing sequence.

◆ **Emergency and Priority Dialing**

The cellular phone enables you to store a single telephone number up to 32 digits in length for priority or emergency purposes. Memory location 97 is reserved for this purpose. To enter an emergency number, you would use the same procedures described in the section entitled "Manual Storage" but using 97 as the location number.

✔ To dial this special telephone number, press the **MEMORY RECALL** key "RCL", enter the digits "9", "7" and press the **SEND** key "SEND" ~~within 10 seconds~~.

⟨!⟩ *The Emergency and Priority number will automatically be redialed up to 3 times at 50 second intervals or until a connection is made.*

■ EXTENDED FEATURES AND FUNCTIONS

◆ Keypad (DTMF) Tones

Dual Tone Multi-Frequency (DTMF), or "Keypad Tone" signals can be transmitted during a call by entering digits on the keypad or recalling numbers from memory By sending DTMF signals you can access special services such as voice mail and answering machines that require long duration tones.

Keypad (DTMF) Tone Duration

You may select the time duration of Keypad (DTMF) Tones either long tone (Long On) or short tone (Long off) whenever you wish.

✔ To toggle the Long Tone On or Off, press the **FUNCTION** key "FNC", "#", "8".
The letters "DTMF Long On" or ""DTMF Long Off" will appear in the display to indicate the mode.

If you select the "DTMF Long On" mode, a continuous tone will sound for up to 3 seconds when you press any key.

If you select the "DTMF Long Off" mode, a tone duration will be fixed to 95 milli seconds.

Keypad (DTMF) Tone Mute

The "Keypad Tones"(DTMF) may be muted during conversation, for example, to store a number into the Scratch Pad without interrupting conversation.

✔ To mute the keypad tones, press the **FUNCTION** key "FNC", "3".

✔ To enable the keypad tones, press the **FUNCTION** key "FNC", "3" again.

Sending DTMF Tones

✔ From the Keypad:
Press any key "0" through "9","*" and "#" to send the DTMF tones during conversation mode.

✔ From a memory location:
Press "RCL" and "*" , then up arrow, down arrow, or numeric entry(or M1 key) to select a memory location. When desired number is displayed, press "SEND", and DTMF digits will be sent. The DTMF tone will be heard in conjunction with the telephone number recalled and displayed.

⚠ ~~Recalling numbers in DTMF mode is not possible while *DTMF Mute is active.*~~

◆ Timer and Counter Functions

Elapsed Time Display

While the *IN USE* indicator **INUSE** is lit, the clock in the display panel will keep a running total of elapsed time from the time of connection for that call in minutes:second format. After call completion, this function will display the total elapsed time (spent on-line) of the last call made.

✔ To display the elapsed time in the display panel, press the **FUNCTION** key "FNC", "*", "3","0". The word "Air" will appear in the display panel.

⚠ *The time count will reset to 00-00 after 99 minutes and 59 seconds.*

⚠ *When the call time is displayed using "FNC","*","3", "0", the time display does not reset until 9999 minutes and 59 seconds.*

Outgoing Call Timer

This function is used to time your outgoing calls. The timer resets to 0000:00 after 9999 hours and 59 minutes.

✔ To display the value for outgoing call times, press "FNC", "*", "3", "1", then enter the registered two-digit Outgoing Call Timer access code.

✔ To manually reset the Outgoing Call Timer to 0000:00, press "*", "CLR".

✔ To exit this mode, press the CLEAR key "CLR".

Cumulative Call Timer

The Cumulative Call Timer keeps a running total of on-line usage in hours:minutes format.
This timer resets to 0000:00 after 9999 hours and 59 minutes have been accumulated

✔ To display the value of the Cumulative Call Timer, press the **FUNCTION** key "FNC", "*", "3","2", and enter registered 2 digit Call timer access code.

✔ To manually reset the call timer to 0000:00, press "*", the CLEAR key "CLR".

✔ To exit this mode, press the CLEAR key "CLR".

Temporary Accumulated Call Counter

This feature is used to check the temporarily accumulated (reset to 0 on the 10,000th call) number of calls.

✔ To check the number of calls made, press the **FUNCTION** key "FNC","*","2","0". The temporarily accumulated number of calls will appear in the display following the word "CALL".
If you wish to reset this total to 0 simply press "*", CLEAR key "CLR" before exiting this mode.

✔ To exit this mode, press the CLEAR key "CLR".

Outgoing Call Counter

This feature is used to check the number of outgoing calls. It resets to 0 after the 10,000th call has been made.

✔ To check the number of outgoing calls that have been made, while the telephone is not in use, press "FNC","*","2","1", and enter the registered digit Outgoing Call Counter access code. If you wish to reset this total to 0, simply press "*","CLR" before exiting this mode.

✔ To exit this mode, press "CLR".

⟨!⟩ *The unit's Outgoing Call Counter access code has been set to 12 at the factory, but it may be changed if you so desire. Please refer to the section entitled "User Programmable Codes."*

⟨!⟩ *The number you enter as an access code should be <u>writ</u>ten down and stored safely!*

Accumulated Call Counter

This feature is used to check the accumulated number of calls. This total will reset to 0 on the 10,000th call.

✔ To check the number of calls made, press the **FUNCTION** key "FNC","*","2","2" and enter registered 2 digit Call Counter access code while the telephone is not in use. The accumulated number of calls will appear in the display following the letters "C-C". If you wish to reset this total to 0 simply press "*", **CLEAR** key "CLR" before exiting this mode.

✔ To exit this mode, press the **CLEAR** key "CLR".

⟨!⟩ *While the unit's Call Counter access code has been factory set as 12, it may be changed if so desired. Please refer to the section entitled "User Programmable Codes".*

⟨!⟩ **The number you enter as an "Access Code" should be written down and stored safely!**

Call Time Warning Tone

A time warning tone option exists that can be used to keep audible track of the elapsed time spent while using your phone. The tone will signal you as each minute passes during a call.

✔ To toggle the Warning Tone on or off, press the **FUNCTION** key "FNC","*","1" while not in use. The letters "Beep On" or "Beep OFF" will appear in the display to indicate the mode's current setting.

⟨!⟩ *This mode can not be changed during conversation.*

◆ System A/B Indication for AMPS

If you want to know the current mode, press "FNC" key "6" than "5". Status indicator shows the current mode.

◆ User Programmable Codes

There are ~~4~~3 user programmable codes used for data preservation and security purposes. The fact that they are "User programma-ble" allows the user to change these numbers, customize the system and further the security benefits.

~~.~~To change a code from the factory setting or previously modified setting, press the **FUNCTION** key "FNC","#","5", and enter the number of the corresponding mode you wish modified (refer to "mode #" in the table below). The mode name will appear in the display followed by the letter "P". At this point enter the factory setting or previously modified Setting. The letter "n" will replace the "P" in the display panel at which time you may enter your newly contrived 2 or 3 digit code. Press the **S~~TO~~END** key "S~~TO~~END" to save your newly entered code. Upon saving the code the unit displays "code changed" until any key is pressed. ~~releases the mode and the display will he cleared.~~

✓ To correct an error made while entering keys, press the **END** key "END" and repeat the process from the beginning.

⚠ *When contriving a 3 digit code, any 3 digits are acceptable except 911, 000, 119 and the 3 digit emergency number registered in the NAM.*

⚠ ***Always keep a record of any modified code numbers. They will be necessary to access corresponding features or to reenter new codes.***

Mode Name	Mode #	Display	Factory Setting
Unlock	1	Unlock	123
Call Counter	3	Call Count	12
Call Timer	4	Air Time	12

◆ Channel and RSSI Level Display

RSSI levels are the signal strength of the current channel of operation represented in voltage. The higher the voltage (the

bigger the number) represented in the display the better the connection and the clearer communications will become.

By following the procedure below the channel number currently in use and the RSSI level will be displayed in the display panel and will be refreshed with current data every second.

✔ To display the Channel Number and RSSI Level, simply press the **FUNCTION** key "FNC","*","6".
✔ To clear the display, press the CLEAR key "CLR".

> ⚠ *The RSSI level is in dBm, and is negative.*
> *Numbers with smaller magnitudes, which are less negative, represent stronger signals.*

◆ Electronic Serial Number (ESN)

The cellular phone has an electronically encoded serial number which may be displayed as desired.

✔ To display the Electronic Serial Number, press the **FUNCTION** key "FNC","#","2".
✔ To clear the display, just press the **CLEAR** key "CLR".

■ INSTALLATION

This section outlines attaching to the soft bag and connections.

⬦ *There are come basic rules that apply to most hardware installation procedures and need to be observed to prevent damage or injury.*

● Always make sure that any power is disconnected before handling any electrical components like wiring, fuseboxes, connectors, etc.

● Never force any connection between components, electrical connectors or the like.

● Always use the proper tools for the task at hand. Using improper tools may cause damage to yourself, or your cellular telephone system.

● Think through all the necessary steps of installation before actually beginning the procedure and equip yourself for all steps to be preformed.

● Always make sure your workspace and your tools are clean and tidy. The introduction of dirt or grease may hinder the performance of your cellular telephone and related components.

◆ Parts List

FWT-8100 and FWT-8000 Basic Kit

◆ Includeding in the Giftbox

Before We Begin

You will need the following items in order to properly install the cellular telephone in the giftbox.

Included

1. Transceiver unit
2. Handset
3. Coiled cord
4. AC/DC Adapter
5. Antenna

Refer to "Parts List" for visual conformation.

◆ GENERAL SPECIFICATIONS

Frequency Range	
Transmit	: 824.040 to 848.970 MHz
Receive	: 869.040 to 893.970 MHz
Number of RF Channels	: 832 Channels, Full Duplex
Channel Spacing	: 30 KHz
Duplex Spacing	: 45 MHZ
Frequency Stability	: +2.5 PPM
Operating Temperature	: 0°C to +60°C
Supply Voltage	: 6.0Vdc ±10%.
RF Power Output	: 3 W (M-A-X-) for FWT-8100 : 0.6 W (MAX) for FWT-8000
Dimensions (W x D x H) Transceiver	: approx. 165 x 220 x 50mm
Handset	: approx. 50 x 205 x 30mm
Weight	:
Transceiver	:
Handset	
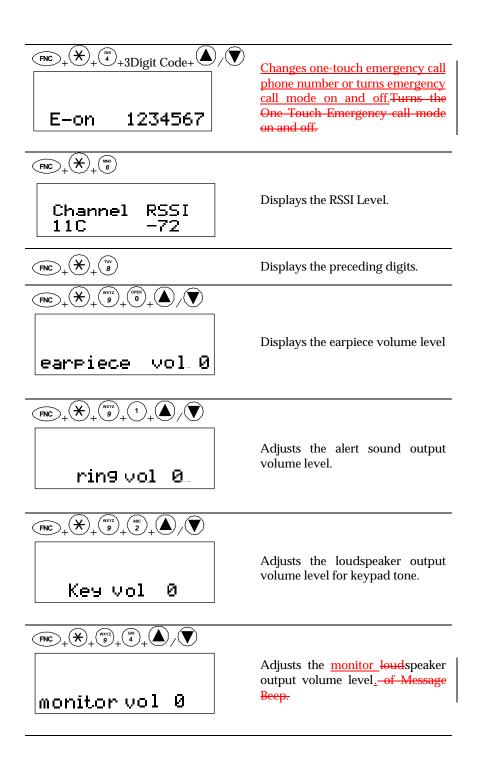
* Subject to change without notice.
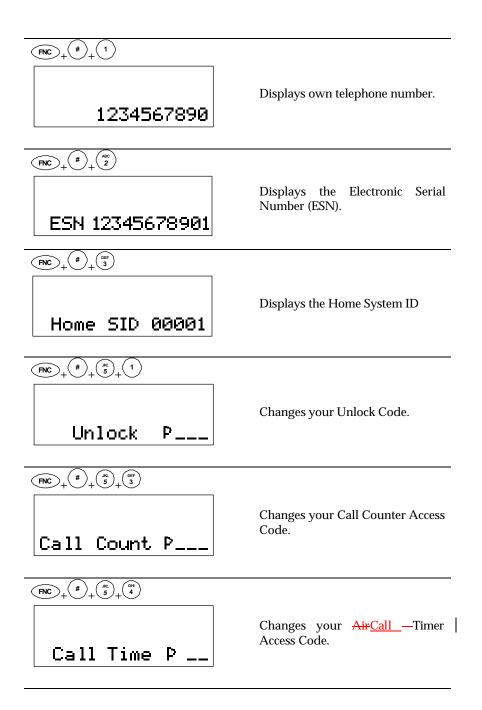
TABLE OF KEY OPERATIONS

Key Operation	Function
Phone Number+ (FNC) + (1)	Store to Scratch Pad Memory
(FNC) + (ABC 2) + (▲)/(▼)	Select ringer melody.
(FNC) + (DEF 3) Keypad DTMF Off	Turns on and off the DTMF tones.

FNC + **5** + 3Digit Code
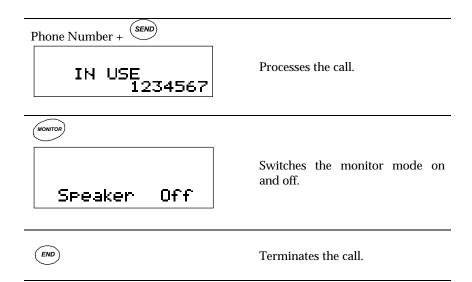
```
        Function
 Lock Code ___
```

Locks your phone electronically.

FNC + **6** + **5**

Display system type

FNC + **7** + **2**

```
 Msg beep off
```

Switches Message Beep mode on and off mode.

FNC + **8**

```
 Silent Alrt Off
```

Turns the Silent Alert mode on and off mode.

FNC + **✳** + **0**

```
 Rcvd SID _____
```

Displays current receiving SID.

FNC + **✳** + **1**

```
 Warn beep off
```

Turns the Call Time Warning Tone on and off.

FNC + ✳ + 2(ABC) + 0(OPER)

```
        Function
      Call 0000
```

Displays the temporarily accumulated number of calls.

FNC + ✳ + 2(ABC) + 1 + 2 Digit Code

```
   o-C 0000
```

Displays the number of outgoing calls.

FNC + ✳ + 2(ABC) + 2(ABC) + 2 Digit Code

```
   C-C 0000
```

Displays the Accumulated number of calls.

FNC + ✳ + 3(DEF) + 0(OPER)

```
  AIR 0000:00  _m:s
```

Displays the Air time of current last call.

FNC + ✳ + 3(DEF) + 1 + 2 Digit Code

```
  o-A 0000:00 h:m
```

Displays the accumulated time of outgoing calls.

FNC + ✳ + 3(DEF) + 2(ABC)

```
  C-A 0000:00 h:m
```

Displays the cumulative call time.

FNC + ✳ + 4(GHI) + 3Digit Code + ▲/▼ ```E-on 1234567```	Changes one-touch emergency call phone number or turns emergency call mode on and off. <s>Turns the One Touch Emergency call mode on and off.</s>

FNC + ✳ + 6(MNO)
 	
 ```Channel RSSI```
```11C   -72```
	Displays the RSSI Level.

FNC + ✳ + 8(TUV)	Displays the preceding digits.
FNC + ✳ + 9(WXYZ) + 0(OPER) + ▲/▼ ```earpiece vol 0```	Displays the earpiece volume level
FNC + ✳ + 9(WXYZ) + 1 + ▲/▼ ```ring vol 0```	Adjusts the alert sound output volume level.
FNC + ✳ + 9(WXYZ) + 2(ABC) + ▲/▼ ```Key Vol 0```	Adjusts the loudspeaker output volume level for keypad tone.
FNC + ✳ + 9(WXYZ) + 4(GHI) + ▲/▼ ```monitor vol 0```	Adjusts the monitor <s>loud</s>speaker output volume level. <s>of Message Beep.</s>

FNC + **#** + **1**	
``` 1234567890 ```	Displays own telephone number.
FNC + **#** + **2** (ABC)	
``` ESN 12345678901 ```	Displays the Electronic Serial Number (ESN).
FNC + **#** + **3** (DEF)	
``` Home SID 00001 ```	Displays the Home System ID
FNC + **#** + **5** (JKL) + **1**	
``` Unlock P___ ```	Changes your Unlock Code.
FNC + **#** + **5** (JKL) + **3** (DEF)	
``` Call Count P___ ```	Changes your Call Counter Access Code.
FNC + **#** + **5** (JKL) + **4** (GHI)	
``` Call Time P __ ```	Changes your ~~Air~~Call —Timer Access Code.

FNC + # + TUV 8 DTMF Long Off	Changes the Keypad Tone (DTMF) Duration in conversation.
CLR	Clears the last digit. If held in, erase the entire number from display.
Phone Number+ STO +Memory Location Number	Store the telephone number in the memory.
Phone Number+ STO + STO	Searches the vacant memory and stores the telephone number automatically.
Phone Number+ STO + ▲/▼ + SEND	Searches for a vacant memory address to store in, "SEND" to store.
RCL + # + OPER 0 - WXYZ 9 or ▲/▼/ 1 / ABC 2 + SEND	Displays the telephone number of three ten latest calls, "SEND" to dial a number.
RCL + # + OPER 0 + SEND	Redials the last number dialed.
RCL +Memory Location Number	Recalls the telephone number from the memory.
RCL + ✳ + ▲/▼ or Memory Location Number + SEND	Adds the DTMF tone to the recalled number.
RCL + ▲/▼	Recalls telephone numbers in address order.
M1	In standby mode, holding M1 initiates a call to the number stored in One Touch Memory. During conversation, pressing switches the Mute mode on and off.
SEND	Receives the call when "CALL" is flashed in the display.

Phone Number + (SEND)

IN USE
       1234567

Processes the call.

(MONITOR)

Speaker   Off

Switches the monitor mode on and off.

(END)

Terminates the call.

12 MONTH LIMITED WARRANTY

AUDIOVOX COMMUNICATIONS CORPORATION (the Company), warrants to the original retail purchaser of this Audiovox Cellular Telephone, that should this product or any part there of (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 following items, if supplied, are similarly warranted from the date of purchase for 90 Days-Retractable antenna, transportable antenna, rechargeable battery, AC/DC adapter,

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), transportation prepaid, to the Company at the address shown below.

In the United States call toll free to (800) 229-1235 [in NY State and other areas, call (516) 233-34101]

This Warranty does not apply to fuses, or costs incurred for removal, reinstallation, testing, evaluation, or to any product or part there 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.

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.

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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 that vary from state to state.

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