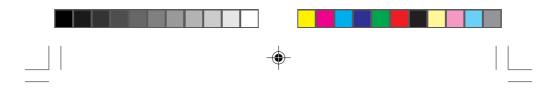**SANYO**

SANYO Dual-Mode Phone
SCP‑400
Manufactured by SANYO

User Guide

Please read this manual before operating the phone,

and keep it for future reference.

Table of Contents

FCC RF EXPOSURE INFORMATION

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

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 operations with the back of the phone kept 0.79 inches (2 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2 cm) must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.79 inch (2 cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

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

Getting to know your phone

Highlights

Congratulations on your purchase of a SANYO Dual-Mode Phone. This phone is lightweight, easy-to-use, reliable, and offers many significant features:

- The display screen features five alphanumeric lines, one line of icons and EL (Electro-Luminescence) backlight for easy reading

- Illustration, icon and text prompts inform you of messages, events and status of your phone

- Easy-to-use Navigation key allows you to move easily through the menu options

- Total of 300 phone numbers can be assigned to different Phone Book entries (up to 7 phone numbers per entry)

- Quickly redial numbers of the last ten outgoing, incoming and missed calls

- Browser that may allow you to access the Internet.

Easy Menu Navigation Control

The Navigation key allows you to easily scroll through the menus. As you navigate throughout the menus, the menu options will be displayed (`Call History`, for example). Once you've displayed your desired feature, simply press `OK`.

The Navigation key and `OK` key are also used to change your phone's settings. The upper half of your phone's display screen is dedicated to providing you with various notifications and prompts. The lower half of the screen is dedicated to the phone's menu items. A scroll arrow has conveniently been placed to the right of the menu items. This allows you to know whether there are additional menu items off the display. Intuitive prompts are displayed to guide you through each step. For example:

If you want to view your last incoming call, use your Navigation key to display `Call History` and press `OK`.

```
┌─────────────────────────┐
│ Yªll            ⊓▨▨      │
│        SCP-400          │
│   12:30p Oct 15,99      │
│ ┌───┐                ▲  │
│ │▦▦▦│          2/11     │
│ └───┘                ▼  │
│ Call History            │
└─────────────────────────┘
```

Then display `Incoming Calls` and press `OK`.

Alpha Entry Using Keypad

Press a number several times until the desired letter appears.
Letters scroll in the following order:

✉ 1	. ? , ' & - @ ( ) \ ~ 1	PQRS 7	P Q R S 7 p q r s 7
ABC 2	A B C 2 a b c 2	TUV 8	T U V 8 t u v 8
DEF 3	D E F 3 d e f 3	WXYZ 9	W X Y Z 9 w x y z 9
GHI 4	G H I 4 g h i 4	SPACE 0	S p a c e 0
JKL 5	J K L 5 j k l 5	#➡	moves cursor forward
MNO 6	M N O 6 m n o 6	⬅✳	moves cursor backward

After two seconds, the cursor will automatically advance to the
next space once a character has been entered.

To expedite the process, use your Navigation key (right) to move
the cursor forward and enter any character. If you make a mistake,
press ⬅CLR to correct the last letter you entered.

To clear the whole letter, hold down ⬅CLR for about two seconds.
For example, to enter the letter "K" , press JKL 5 key twice in rapid
succession. To enter the letter "Z" , press the WXYZ 9 key four times
(**Note:** The first character of each word entered defaults to
uppercase, the following characters default to lowercase.)

Front View of Phone

1. **Red Light:** Illuminates when `POWER` is pressed and when you have incoming calls or messages.

2. **Headset Jack:** Insert the plug of the headset (must be purchased separately) for hands-free listening.

3. **OK:** Lets you place a call, receive a call and select menu options.

4. **Navigation Key:** Lets you navigate quickly and easily through the menu options.

5. **SEND:** Lets you place a call, receive a call, answer Call Waiting and use Three-Way Calling.

6. **POWER:** Turns the phone on and off.

7. **VOL:** Lets you adjust the sound level during a call or a ring.

8. **END:** Lets you disconnect a call and return to Standby mode. Lets you mute ringer when ringing.

9. **CLR:** Allows you to clear characters from the screen or back up menu levels.

10. **Antenna:** The voice on the other end sounds clearest when the antenna is all the way up.

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10. Antenna

1. Red Light

2. Headset Jack

SCP-400
12:30p Oct 15,99
1/11
Phone Book

3. OK

9. CLR (Clear)

4. Navigation Key

8. END

5. SEND

✉ 1	ABC 2	DEF 3
GHI 4	JKL 5	MNO 6
PQRS 7	TUV 8	WXYZ 9
← ✳	SPACE 0	# →

6. POWER

POWER   VOL −   VOL +

7. VOL (Volume)

Display icons:
What they tell you

Display icons are all the graphic symbols that show up on your display screen. In short, they tell you what's happening with your SANYO Dual-Mode Phone. See below for a description.

Signal		Measures your current signal strength. The more lines there are, the stronger the signal.
No Service		This means the phone is outside a service area. When this is displayed, you cannot use your phone.
In Use		Tells you a call is in progress.
Roaming		If the icon is displayed, you are on another service provider's network.
Messages		Indicates you have messages waiting.
Vibrate		Indicates the vibrate feature is set to ON.
Digital		Appears when your phone is operating in digital (CDMA) mode.
Battery		Shows the level of your battery charge. The more black you see, the more power you have left. When the charge is low, this icon blinks and an alert tone is sounded. You will lose what you are doing.

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Using the battery

Your SANYO Dual-Mode Phone comes with a rechargeable Lithium Ion battery. Remember to fully charge your battery as soon as the charge becomes low in order to maximize your talk and standby times.

Installing and removing the battery

The battery snaps easily onto the back of the phone (bottom end first) for quick installation and removal. Make sure to turn the power off before removing the battery. Otherwise, you could lose stored numbers and messages.

Charging the battery

You can tell whether or not your battery needs to be recharged by checking the upper-right corner of your display screen.
When the battery charge level gets low, the phone will beep and the battery icon ⬜ will blink. A warning will also appear on your screen prompting you to recharge your battery.
If the battery level gets too low, the phone will turn off automatically. A series of alert tones will sound just before the phone turns itself off. If this happens, unfortunately, you'll lose whatever you were just doing. So watch that indicator and make sure your battery charge level is okay.

To charge your battery, you should use the standard AC adapter, or the optional dual-slot desktop charger or cigarette lighter adapter.

Note: Use only SANYO-approved accessories.
Using unauthorized accessories may cause damage.

Charging with the AC Adapter

Use only approved adapter, with your SANYO Dual-Mode Phone.

1. Plug the AC adapter into a wall outlet.

2. Plug the other end into the bottom of your SANYO Dual-Mode Phone, with the battery attached.

Charging a completely discharged standard Lithium Ion battery takes up to three hours.

If your phone is turned on, the [⚡] icon on the display will blink while charging. The [⚡] icon will stop blinking when charging is complete.

If your phone is turned off, the [⚡] icon on the display will blink and "BATTERY CHARGING — Power Off" will show on the display while charging. The [⚡] icon will stop blinking when charging is complete.

When the battery is completely discharged, you may wait for several minutes until "BATTERY CHARGING" will show on display.

Using Your Phone:
Basic operations to place and receive calls

Turning your phone on and off

When you're ready to turn your SANYO Dual-Mode Phone on, check to see that the charged battery has been installed on the back of the phone or that you have an external power (ie; the cigarette lighter adapter, hands-free car kit or AC adapter) with the battery installed.

Then, simply press POWER. The red light turns on for approximately 5 seconds and the banner is displayed. Once signal has been found, you're ready to make a call.

To turn your phone off, press POWER for two seconds until "Powering off" is displayed. Then release POWER. When your phone is turned off, nothing is displayed on the screen.

Note: If POWER is pressed for less than one second, the phone will not turn off. This keeps your phone from being turned off accidentally.

Standby mode

Standby mode is the most basic state of the phone. The phone goes into Standby mode soon after you turn it on or whenever you press END . When your SANYO Dual-Mode Phone is on but no call is in progress, the phone is in Standby mode.
When your phone has acquired service, the greeting banner will be displayed along with the date and time when in digital mode.
The menu options will be displayed on the lower half of the screen. This is known as the Standby display or Standby mode.
While in the Standby mode, press ▼ or ▲ of the Navigation key to display the menu option you wish to select, or enter a phone number using the keypad.

Power Save mode

Your SANYO Dual-Mode Phone comes with a Power Save feature that will be activated automatically if your phone hasn't been able to find service after 15 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically check for a service periodically. To manually prompt the phone to check for a service, press any key. A "Power Save" message on the display will let you know when the phone is operating in Power Save mode.

Making a call

Whenever you make a call, follow these simple steps:

1. First, check to see that your phone is on. If you see the display indicators on the screen, that means the power is on.

2. Enter the phone number you're calling.

3. Press SEND (or OK).

4. When you're finished with your call, press END to disconnect.

You can also make calls from your Internal Phone Book (see page 35) or from your recent calls list (see page 32).

Correcting dialing mistakes

If you make a mistake while dialing a phone number, press CLR to erase one digit at a time. You can delete the entire number at once by pressing CLR and holding it down for at least one second.

Answering calls

Your SANYO Dual-Mode Phone must be turned on before you can receive calls. When your phone rings ("Call From: caller's name" displays if the caller's name and number are stored in your phone's Internal Phone Book, and the red light flashes), press **SEND** (or **OK**) to answer. You can also answer by pressing any key (other than **POWER**, **END**, **CLR**, **VOL—**, **VOL+** or Navigation key). Before you do this, you have to turn the Any Key Answer function on (See page 56).

To disconnect the call when you're through, press **END**.

Where you can use your phone

Your SANYO Phone is dual-mode, which means you can use it to make and receive calls in many places:

▶ In any city where your cellular service carrier provides CDMA and analog cellular services.

▶ On other CDMA and analog cellular networks where your cellular service carrier has implemented roaming agreements.

When you use your phone outside your cellular carrier's network area, it's called **roaming**.

If you're in an area where your cellular service carrier has implemented roaming with CDMA or conventional analog cellular providers, you will pay the roaming rate plus long-distance charges, where they apply.

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What you will see

You should always check your phone's display because it will let you know when you are outside the Home Area and whether your phone is operating in analog service or digital service mode.

The chart below indicates what you will see, depending on where you're using your phone.

	D (Digital Indicator)	**R** (Roaming Indicator)
CDMA Home Area	**D**	
Analog Home Area		
Other CDMA Networks	**D**	**R**
Other Analog Networks		**R**

Mute

The mute function on your SANYO Dual-Mode Phone works just like your phone at home. While your call is muted the party on the other end of your call will not be able to hear you.

To enable mute during a call:
1. Display `Mute` and press `OK`.

To unmute the call:
1. Display `Unmute` and press `OK`.

Redialing Last Outgoing Number

Press `SEND` twice.

Making Emergency Calls

You can place calls to 911 or any of the other three user-specified special numbers even if your phone is locked. To call 911 simply dial `9`, `1`, `1` and press `OK`.

Handy tips for easier everyday usage:

Adjusting the Volume

The volume keys VOL–, VOL+ of your SANYO Dual-Mode Phone can perform two different functions. They let you:

• Adjust the earpiece volume during a call.

• Adjust the ringer volume in the Standby mode.

Displaying Your Phone Number

1. From the menu, display `Phone Book` and press `OK`.

2. Display `My Number` and press `OK`.

Banner

This feature allows you to put whatever message you want on your phone's display screen - just as long as it's no more than 16 characters. Your banner will be displayed on the top line whenever your phone is on. To change your banner:

1. From the menu, display `Display` and press `OK`.

2. Display `Banner` and press `OK`.

3. Display `Change` and press `OK`.

4. Using your `CLR` key, delete the existing banner and enter your custom banner.

5. Display `Save` and press `OK`.

Backlight/Contrast Setting

Your SANYO Dual-Mode Phone allows you to customize the backlight and contrast setting.

To change the backlight setting:

1.   From the menu, display `Display` and press `OK`.

2.   Display `Backlight` and press `OK`.

3.   Depending on your preference, display, `8 Seconds`, `15 Seconds`, `30 Seconds` or `Always Off` by using the Navigation key, and press `OK`.

Note: For maximum battery life the backlight setting should be set to "Always Off".

To change the contrast setting:

1.   From the menu, display `Display` and press `OK`.

2.   Display `Contrast` and press `OK`.

3.   Depending on your preference, display `Highest`, `High`, `Medium`, `Low` or `Lowest` by using the Navigation key, and press `OK`.

To display the version number of the software and the PRL (Preferred Roaming List) installed on your SANYO Dual-Mode Phone:

1. From the menu, display `Display` and press `OK`.

2. Display `Version` and press `OK`.

3. Press `OK`, or `END` to return to the initial display.

Using Caller ID

This feature tells you who is calling by displaying the caller's number when the phone rings. If the caller's name and number are stored in your Internal Phone Book, the name you have stored will be displayed along with the number.

If you call someone who also has Caller ID, your Phone Number will be displayed on their phone.

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Saving and Storing a Phone Number in your Internal Phone Book

Your SANYO Dual-Mode Phone provides you with multiple ways of adding numbers to your Internal Phone Book. An easy way to get started with your Internal Phone Book is to follow these simple instructions:

1. From the menu, display `Phone Book` and press `OK`.

2. Display `Add New Entry` and press `OK`.

3. Enter name associated with phone number and press `OK`. To enter the name, press the key that corresponds to the letter you want to display. For lower case letters, continue to press the key until the lower case letter appears (see "Alpha Entry Using Keypad" on Page 3.)

4. Enter phone number and press `OK`.

5. Display desired label (`H`Home, `O`Office, `M`Mobile, `P`Pager, `D`Data, `F`Fax or `No Label`) by using the Navigation key and press `OK`.

   (For more advanced Internal Phone Book features and alternative ways to enter Phone Book entries, see pages 35-43)

Searching a Name in the Internal Phone Book

1. From the menu, display `Phone Book` and press `OK`.

2. Display `Search Name` and press `OK`.

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For the shortcut to the below step 3, press ▶ of the Navigation key instead of the above steps 1 and 2.

3. Enter name you want to search. Once a letter is entered, the Phone Book will be automatically stored in alphabetical order that start with that particular letter. The search will continue to narrow as you enter more letters.

4. Use your Navigation key to display the name you wish to call, and press ⟨OK⟩.

5. Display the desired label (Home, Office, Mobile, Pager, Data, Fax or No Label) and press ⟨OK⟩.

6. Press SEND to make a call.

Setting the Vibrating Ringer

The Vibrating Ringer feature allows you to receive incoming calls without disturbing others. You can select this feature by either of the methods below:

1. While in the Standby mode, press either the VOL– or VOL+ key and the Ringer Volume Setting will appear on the screen. Six ringer settings are available: High, Medium High, Medium Low, Low, Silent, and Vibrate. Select Vibrate from the menu.

2. From the menu, display Tones and press ⟨OK⟩. Display Volume Setting and press ⟨OK⟩. Display Ringer Volume and press ⟨OK⟩. Display Vibrate by using the Navigation key and press ⟨OK⟩.

    When the Vibrating Ringer feature is set to "on", you will see " 🔔 " icon on the screen.

Getting the most from Network Service

Voicemail and Text Messages

Setting Up Your Voicemail

Voicemail allows callers to leave a message when you don't answer your Phone. We suggest you set up your voicemail box soon after your phone is activated. To activate your Voicemail:

1. In Standby mode either press and hold `☑1` for about 2 seconds, or display `Messages` and press and hold `OK` for about 2 seconds, or display `Messages` and press `OK`, display `Voicemail` and press `OK`, display `Call Voicemail` and press `OK`.

2. Follow the system prompts.

The first time you access the voicemail system from your SANYO Dual-Mode Phone, it will prompt you to:

▶   Create your own personal pass code. Make sure that you pick a number that is easy to remember.

▶   Create the greeting that people will hear when they call you

▶   Initialize your name announcement

After you have set up your voicemail box, it will automatically record messages whenever someone calls and you don't answer.

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Finding Out You Have A Message

Your SANYO Dual-Mode Phone alerts you when you have new messages.
If you have new messages, your phone will ring and you will be notified with a ✉ icon, and message notification on your screen, along with a red flashing LED light.

Retrieving Voice Messages

You can listen to your messages by following any of the three methods.

1. a. In Standby mode press and hold ✉**1** for about 2 seconds.

   or

   b. From the menu, display **Messages** and press and hold OK▷ for about 2 seconds.

   or

   c. From the menu, display **Messages** and press OK▷.
      Display **Voicemail New** and press OK▷.
      Display **Call Voicemail** and press OK▷.

2. Follow the system prompts.

Message Erase Icon

In the rare circumstances that the network does not clear the ✉ icon even when you don't have any new voicemail, you can use this feature to reset the ✉ icon.

To erase the voice message icon:

1. From the menu, display `Messages` and press `OK`.

2. Display `Voicemail New` and press `OK`.

3. Display `Erase Icon` and press `OK`.

4. Display `Yes` and press `OK`.

Page/Text Messages

To read the received / sent messages:

1. From the menu, display `Messages` and press `OK`.

2. Display `Page/Text` and press `OK`.

You can take a shortcut by pressing ◀ of the Navigation key, instead of the above steps 1 and 2.

3. Display `Received Log` or `Sent Log`, and press `OK`.

4. Display `Review` and press `OK`.

Then the number of new and / or old message(s) is displayed.

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▶ Use your Navigation key (right/left) to scroll header of messages.

5. Display `Read` and press `OK`.

▶ Pressing `OK` when reading a message will bring up the options for the message.

To see the telephone numbers of the messages received or not:

1. Follow the above steps 1 through 4.

2. After selecting any header of messages, display `View Tel #` and press `OK`.

Page/Text Number Extraction

When you receive a page/text message on your SANYO Dual-Mode Phone that contains phone numbers you can extract those numbers, making it easy to place a call or save the numbers. To extract a phone number:

1. While reading a message, press `OK` to view the message option menu.

2. Display `Extract #'s` and press `OK`.

3. The phone will display all the numbers extracted from the message.

4. Display the appropriate number and press `OK`.

5. Depending on what you want to do, display `Call`, `Save Tel #`, `Prepend`, `Next`, `Previous` and press `OK`.

To send the massages:

1. Display `Messages` and press `OK`.

2. Display `Page/Text` and press `OK`.

3. Display `Message Send` and press `OK`.

4. Enter a message using Alphanumeric keys, and press `OK`.

5. Enter the telephone number directly, or using "Phone Book" menu for selecting stored number.

6. Display `Send` and press `OK`.
    You can also have the option of saving the message, by displaying `Save` instead of `Send`.

You can pick up the phone while proceeding above steps 1 through 5. You can also continue editing the message after ending the call as follows.

1. Retry above steps 1 through 3.

2. Follow the phone's prompts.

Message Storage

Your SANYO Dual-Mode Phone is capable of storing up to 20 received and 10 sent text messages and numeric pages. When the received message memory is 75 percent full, a warning message will be displayed, prompting you to erase messages in order to obtain more memory space.

A sent message will automatically be bumped from the oldest one when the stored messages exceed 10.

Call Waiting

When there is a call waiting, you will hear a beep and a text message, including the caller's name (if the caller is programmed into your Internal Phone Book) or phone number will appear on your screen. To answer the call:

1.   Press SEND, or display Flash and press OK.

To toggle between the two callers, simply press SEND, or display Flash again and press OK.

To permanently disable Call Waiting, contact your network provider.

Three-Way Calling

Three-Way Calling lets you talk with two people at the same time.

1. Dial the first number, and press SEND (or OK).

2. When connected, display 3-Way Call and press OK .

3. Dial the second number, display Call and press OK .

4. When the second party answers, display Flash and press OK again to begin your three-way call.

When you use this feature, you will be charged normal airtime rates and long distance if applicable for each call. Each call will appear as a separate item on your bill.

Note: When making a three-way call, the speed-dialing function is disabled.

Call Forwarding

To activate Call Forwarding, follow these steps.

1. From the menu, display Others and press OK .

2. Display Call Forwarding and press OK .

3. Display Activate and press OK .

4. Enter the forwarding number manually or search the name/ number you want to forward by using "Phone Book" (see page 18).

5. Display Send and press OK . You will hear a tone to confirm the activation.

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Getting The Most From Your Phone

Menu Map

```
┌─────────────────────────┐
│ ┌──┐          1/11  ▲   │
│ │  │                 ▼   │
│ ├──────────────────┐    │
│ │ Phone Book       │    │  - - ▶ Search Name
└─┴──────────────────┴────┘        Add New Entry
                                   Speed Dial
                                   Long Numbers
                                   My Number
```

```
┌─────────────────────────┐
│ ▟▙           2/11  ▲    │
│                     ▼    │
│ ┌──────────────────┐     │
│ │ Call History     │     │  - - ▶ Outgoing Calls
└─┴──────────────────┴─────┘        Incoming Calls
                                    Missed Calls
                                    Erase History
                                       Outgoing Calls
                                       Incoming Calls
                                       Missed Calls
                                       All Calls
                                    Call Time
```

```
┌─────────────────────────┐
│ ┌──┐         3/11  ▲    │
│ │◡◡│                ▼    │
│ ├──────────────────┐     │
│ │ Messages         │     │  - - ▶ Voicemail
└─┴──────────────────┴─────┘           Call Voicemail
                                       Erase Icon
                                    Page/Text
                                       Received Logs
                                       Message Send
                                       Sent Logs
                                    BrowserMsgs
```

Menu Map (cont'd)

```
┌─────────────────────┐
│ (icon)        4/11 ▲│
│                    ▼│
│ Browser             │
└─────────────────────┘
```

```
┌─────────────────────┐
│ (icon)        5/11 ▲│
│                    ▼│
│ Tones               │
└─────────────────────┘
```
╌╌► Volume Setting
       Ringer Volume
       Earpiece Volume
       Key Beep
       Car/Headset Use
     Ringer Type
     Tone Length
     Alerts
       Message Alert
       Msg Alert Type
       Minute Beep
     ▼ Service

```
┌─────────────────────┐
│ (icon)        6/11 ▲│
│                    ▼│
│ Display             │
└─────────────────────┘
```
╌╌► Backlight
     Banner
     Contrast
   ▼ Version

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Menu Map (cont'd)

```
┌──────────────────────┐
│ [((•))]        7/11 ▲│
│                     ▼│
│                      │
│ System               │
└──────────────────────┘ --▶▲ A/B sw
                           │ Nam Name
                           │ Nam Change
                           │ Analog
                           ▼ Voice Privacy
```

```
┌──────────────────────┐
│ [•••••]        8/11 ▲│
│                     ▼│
│                      │
│ Security             │
└──────────────────────┘ --▶▲ Lock Phone
                           │ Change Code
                           │ Restricted Use
                           │ ┌-┐ Outgoing
                           │ │  Incoming
                           │ └-┘ Off
                           │ Emergency #s
                           │ Erase PhoneBook
                           ▼ Reset Phone
```

```
┌──────────────────────┐
│ [ ]            9/11 ▲│
│                     ▼│
│                      │
│ Keypad Lock          │
└──────────────────────┘
```

Menu Map (cont'd)

```
┌─────────────────────┐
│ ▓▓▓         10/11 ▲ │
│                   ▼ │
│ Others              │
└─────────────────────┘
```
- - ► ▲ Data/Fax (In)
       Any Key Answer
       Car/Headset Use
       Browser
     ▼ Call Forwarding

```
┌─────────────────────┐
│ ?           11/11 ▲ │
│                   ▼ │
│ Special             │
└─────────────────────┘
```
- - ► ▲ Game
     ▼ Calculator

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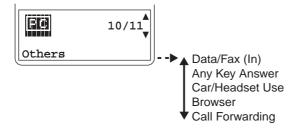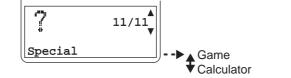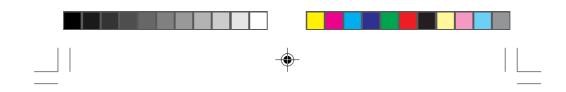
Call History

Your SANYO Dual-Mode Phone captures the last 10 incoming, 10 outgoing, and 10 missed calls in the Call History menu. You can place calls through the Call History menu, providing a quick and easy way to call frequently used numbers.

Additional information, such as the time and date a particular call was made, received, or missed may also be viewed once a number is selected.

To review this list, follow these steps:
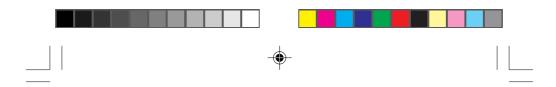
1. From the menu, display `Call History` and press ⟨OK⟩.

2. Display either `Outgoing Calls`, `Incoming Calls`, or `Missed Calls` and press ⟨OK⟩.

3. Use your Navigation key to scroll through the last ten dialed received, or missed calls.

To view the telephone numbers:

1. Follow the above steps 1 through 3.

2. After selecting any list of calls, display `View Tel #`, and press ⟨OK⟩.

To view time and date information:

1. Display the call you wish to receive information about and press ⬡OK⬡.

2. Once you've selected a number in the Call History menu, display `Time/Date` and press ⬡OK⬡ to display the date and time that particular call was made, received or missed.

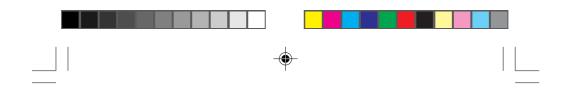To place a call from this list simply following these steps:

1. Display the number you want to call and press ⬡OK⬡.

2. Display `Call` and press ⬡OK⬡ or ⬡SEND⬡.

Note: Once you've selected a call from the Outgoing calls, Incoming calls or Missed calls, you can scroll through all the calls in that history using your Navigation key (up/down).

Missed Call Notification

When an incoming call is not answered, the missed call will be logged into the "Missed Calls" menus. The missed call information shall continue to be updated and displayed until canceled by pressing ⬡CLR⬡ or ⬡END⬡ when in the missed call information display.

Erasing Individual or All Call History

To erase an individual call:

1. From the menu, display `Call History` and press `OK`.

2. Display the call you wish to erase (`Outgoing Calls`, `Incoming Calls`, or `Missed Calls`) and press `OK`.

3. Select the number you want to erase using the Navigation key, and press `OK`.
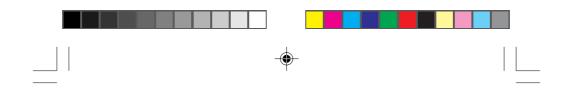
4. Display `Erase` and press `OK`.

5. Display `Yes` and press `OK`.

To erase all calls (Outgoing calls, Incoming calls, and Missed calls):

1. From the menu, display `Call History` and press `OK`.

2. Display `Erase History` and press `OK`.

3. Display `Outgoing Calls`, `Incoming Calls`, `Missed Calls` or `All Calls`, and press `OK`.
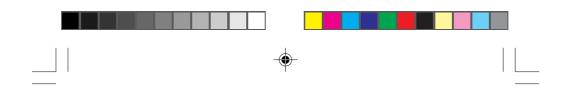
4. Display `Yes` and press `OK`.

Call Time

Your SANYO Dual-Mode Phone allows you to check the total air time usage of your calls since it was last reset.

1.   From the menu, display Call History and press ⟨OK⟩.

2.   Display either Call Time and press ⟨OK⟩.
     Then the display shows the total number of calls and times of all calls.

3.   If you want to reset, display Reset and press ⟨OK⟩.

Internal Phone Book

Your SANYO Dual-Mode Phone has capability of storing up to 300 phone numbers. This allows you to organize your Internal Phone Book, storing up to seven phone numbers under one person's name. You will no longer have to look for a person's home number one place and their work number in another. (Each memory location will accept up to 16 characters per entry name and 32 digits for the phone number.)
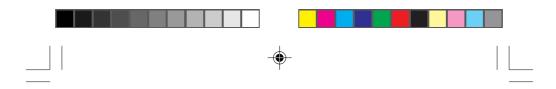
Your SANYO Dual-Mode Phone also has capability of storing five 48-digit phone numbers within the above 300 phone numbers. If you enter exceeding 32 digits, it is necessary to enter a hard pause or 2-second pause between any 2 digits within 32 digits, or immediately after 32 digits. See "Storing a Number With Pauses" on page 42.

Once you have entered a name and number, you are given the option of attaching a label (Home, Office, Mobile, Pager, Data, Fax, or No Label) to the entry.

When you search the Internal Phone Book, either by name or entry, the selected name will appear in the upper half of the display. If a label has been attached to the phone number, a small icon/label will appear preceding the phone number.

This feature provides you with a convenient method of identifying the phone number as the person's home, office, mobile, pager, data or fax number.

For example, see "Add New Entry" on page 37.

1. From the menu, display `Phone Book` and press ⟨OK⟩.

2. Display `Search Name` and press ⟨OK⟩.

3. From here you have two options, you can either use your Navigation key to scroll through your Phone Book entries or enter the letter(s) of the entry you want to find (more information on alpha-entry can be found on page 3.)

4. If you entered the letters manually, and press ⟨OK⟩, your SANYO Dual-Mode Phone will automatically search for entries with those letters and display a list of matches.

5. To place a call, display the number you wish to call and press ⟨OK⟩.
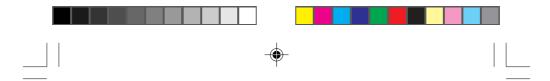
6. Display `Call` and press ⟨OK⟩.

Note: Once you've selected a Phone Book entry you can scroll through all your existing entries using your Navigation key (left/ right.)
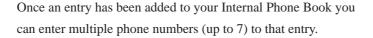
Add New Entry – see pg. 18

1. a. From the menu, display `Phone Book` and press `OK`.

   b. Display `Add New Entry` and press `OK`.

   c. Enter a name to correspond with the number (use the alphaentry method described on page 3.)

   d. Once the name is entered correctly, display `Next Step` and press `OK`.

   e. Enter the phone number you want to save.

   f. Display `Next Step` and press `OK`.

   g. Display the appropriate label (`Home`, `Office`, `Mobile`, `Pager`, `Data`, `Fax` or `No Label`) for your entry and press `OK`.

2. a. From the Standby mode, enter a phone number using your phone's keypad.

   b. Display `Save` and press `OK`.

   c. Follow the phone's prompts.

3. At the conclusion of a phone call, both incoming and outgoing, you have the option of saving that particular number.
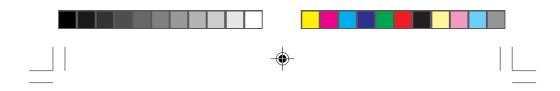
a. Once you have ended your call, display `Save` , and press `OK`.

b. Follow the phone's prompts.

4. a. From the menu, display `Call History` and press `OK`.

b. Display `Outgoing Calls`, `Incoming Calls`, or `Missed Calls`, and press `OK`.

c. Display the number you want to save and press `OK`.

d. Display `Save Tel #`, and press `OK`.

e. Follow the phone's prompts.

Adding Multiple Phone Numbers to an Existing Entry

Once an entry has been added to your Internal Phone Book you can enter multiple phone numbers (up to 7) to that entry.

1. Select the entry you wish to add to your Phone Book you wish to add phone numbers to. (See "Search Name" for detailed instructions on selecting a Phone Book entry.)

2. Display `Add Tel #` and press `OK`.

3. Enter phone number, display `Next Step` and press `OK`.

4. Display the appropriate label (`Home`, `Office`, `Mobile`, `Pager`, `Data`, `Fax` or `No Label`) and press `OK`.

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Editing an Existing Phone Book Entry

To edit an existing Phone Book entry:

1. Select the entry you wish to edit (See "Search Name" for detailed instructions on selecting a Phone Book entry.)

2. Display `Edit`, and press `OK`.

3. Display the feature (`Tel #` or `Name`) you want to edit and press `OK`.

4. Follow the phone's intuitive prompts.

Secret Phone Book Entries

Your SANYO Dual-Mode Phone allows you to make certain Phone Book entries "secret". Once "secret", the entry will still be displayed in your Phone Book, however, the entry's phone number will not be displayed.

To make a Phone Book entry secret:

1. Select an existing Phone Book entry (See "Search Name" for detailed instructions.)

2. Display `Edit`, and press `OK`.

3. Display `Set Secret`, and press `OK`.

4. Enter security code.

5. Display `Yes`, and press `OK`.

Note: If there are multiple phone numbers per person, all numbers will be secret.

To make a secret Phone Book entry not secret:

1. Select the secret Phone Book entry you wish to change
    (See "Search Name" for detailed instructions.)

2. Display `Edit` and press `OK`.

3. Display `Set Secret` and press `OK`.

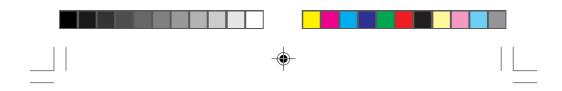4. Enter security code.

5. Display `No` and press `OK`.

Speed Dialing

To dial a Phone Book entry using the entry's speed-dialing
number, 2 through 9 simply:

1. Press and hold the one digit speed-dialing number (2 through
    9) assigned to the Phone Book entry you wish to call.

To store a speed-dialing number

1. From the main menu, display `Phone Book`, and press `OK`.

2. Display `Speed Dial`, and press `OK`. Then the display will
    show the list of speed-dialing numbers (2 through 9).
    You can scroll up and down the list, by pressing ▼ or ▲ of the
    Navigation key.

3. Display an appropriate speed dial number unassigned, and
    press `OK`.

4. Display the name you wish to store, and press `OK`.
    Now this name is assigned.

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To overwrite an assigned speed dial number.

1. Display `Phone Book`, and press $\boxed{OK}$.

2. Display `Speed Dial`, and press $\boxed{OK}$.

3. Display an appropriate speed dial number assigned, and press $\boxed{OK}$.

4. Display `Yes`, and press $\boxed{OK}$.

5. Display the name you wish to store, and press $\boxed{OK}$.
   Now the certain speed dial number is overwritten.
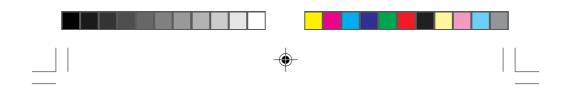
Prepend Dialing

Prepend dialing allows you to alter a phone number in your Phone Book by adding additional numbers. For example, if your Internal Phone Book entry was entered without an area code and you are out of town, you can prepend that entry with the appropriate area code. Another example would be if you wanted to make a phone call using a calling card. You would prepend the calling card number before the phone number of the person you want to call.

1. Select the Phone Book entry or call history using one of the previously described methods.

2. Display `Prepend`, and press $\boxed{OK}$.

3. Enter the digits you wish to prepend.

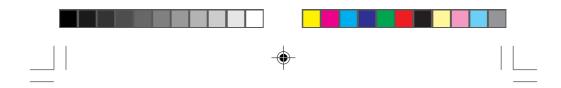4. Display `Call`, and press $\boxed{OK}$ (or $\boxed{SEND}$).

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Pause Feature

When you call automated systems (such as voicemail or credit card billing numbers,) you often have to enter a series of numbers. Instead of entering the numbers by hand, you can store the numbers in your Internal Phone Book separated by special characters called pauses:

- Hard pauses - Once your call is connected, display `Send Tone` and press the `OK` key to send the next string of numbers.

- Two Second Pauses - Your phone will send the next set of numbers after two seconds. Each additional timed pause will add two more seconds to the pause length.

Storing a Number With Pauses

1. Enter the number you wish to call.

2. Display `Hard Pause` or `2-Second Pause`, and press `OK`.

3. Enter additional numbers (e.g. pin number, credit card number.)

4. To dial the number, press `SEND`, or display `Call` and press `OK`. To save the number in your Phone Book, display `Save`, press `OK`, and follow the phone's prompts.

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Displaying / Erasing a Long Number

1. From the menu, display `Phone Book`, and press `OK`.

2. Display `Long Numbers`, and press `OK`.

3. Display the name you wish to display or erase its phone number, and press `OK`.

4a. To display, display `View Tel #`, and press `OK`.
    Use ◄ or ► of the Navigation key to display all digits of number.

4b. To erase, display `Erase Tel #`, and press `OK`.
    Display `Yes`, and press `OK`.
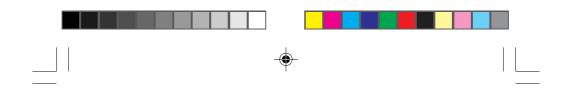
Setting Your Phone's Mode

This option allows you to control your roaming experience.
You can choose optimum operation when in your home service area or when away from your home area.

A/B System Selection

This feature permits you to select which Cellular system (A or B) your phone uses. When you turn the phone on, it remembers the last A/B setting and will scan the radio channels based on that setting.
Leave this setting as it has been preprogrammed unless you have a reason to alter the system selection.

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To select possible settings:

1. From the main menu, display `System`, and press `OK`.

2. Display `A/B sw`, and press `OK`.

3. Display `Preferred Only`, `Non-Pref. Only`, `Pref.»Non-Pref.`, `Non-Pref.»Pref.`, `Home Only` or `Preferred SID's` by pressing ▼ or ▲ of the Navigation key, and press `OK`.

Preferred Only - The phone will scan the preferred system only and prevents switching over to the non-preferred system.

Non-Pref. Only - The phone will scan the non-preferred system only.

Pref. » Non-Pref. - The phone will scan the preferred system channels first, and then switches to scan the non-preferred channels.

Non-Pref. » Pref. - The phone will scan the non-preferred system channels first, then the preferred channels.

Home Only - You can place or receive calls only within your home area or home affiliated area.

Preferred SID's - The phone operates only within specifically identified systems. The SID digits are entered as obtained from your Cellular Service Provider.

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Nam Name

Some Cellular users may find it beneficial to register their phones with multiple numbers, for different cities where they may frequently travel. To provide this ability, your phone has two Nams (Number Assignment Modules) enabling up to two registrations.
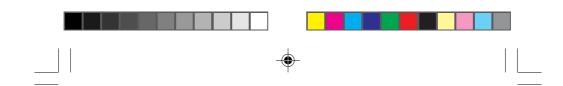
To register Nam Name:

1. Display `System`, and press `OK`.

2. Display `Nam Name`, and press `OK`.

3. Display `#1` or `#2`, and press `OK`.

4. With `Save` displayed, enter the name using Alphanumeric keys, and press `OK`.

Nam Change

If you have multiple registrations, the Nam Selection feature enables you to change the Nam being used by your phone. The phone will also automatically switch to the proper Nam for the area if you select Automatic. Do not use this feature, if you do not have multiple registrations.

To change Nam:

1. Display `System`, and press `OK`.

2. Display `Nam Change`, and press `OK`.

3. Display one of the Nam Names you registered or `Automatic`, and press `OK`.

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Analog Mode Setting

To select the Analog mode:

1. Display `System`, and press `OK`.

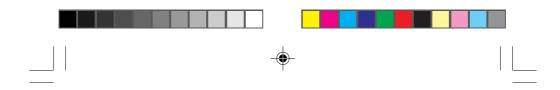2. Display `Analog`, and press `OK`.

3. Display `Yes`, and press `OK`.

Voice Privacy

This feature requests the cellular system to provide the enhanced voice privacy service. This service can only be provided in the Digital Mode, and its availability depends on the cellular system and your service provider.

To set the Enhanced Voice Privacy mode:

1. Display `System`, and press `OK`.

2. Display `Voice Privacy`, and press `OK`.

3. Display `Enhanced`, and press `OK`.

4. To request the cellular system not to use the enhanced voice privacy mode, display `Standard`, and press `OK`.
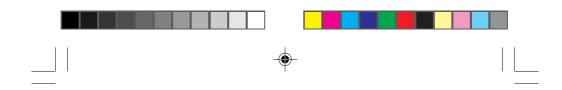
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Tones:
Volume Setting (Ringer and Key Beep)

1. From the menu, display $\boxed{\text{Tones}}$, and press $\boxed{\text{OK}}$.

2. Display $\boxed{\text{Volume Setting}}$, and press $\boxed{\text{OK}}$.

3. Display $\boxed{\text{Ringer Volume}}$ or $\boxed{\text{Key Beep}}$, and press $\boxed{\text{OK}}$.

4. Display $\boxed{\text{High}}$, $\boxed{\text{Medium High}}$, $\boxed{\text{Medium Low}}$, $\boxed{\text{Low}}$, $\boxed{\text{Silent}}$ or $\boxed{\text{Vibrate}}$ (Not applicable to Key Beep,) and press $\boxed{\text{OK}}$.

Volume (Earpiece)

1. Follow the above steps 1 and 2.

2. Display $\boxed{\text{Earpiece Volume}}$, and press $\boxed{\text{OK}}$.

3. Display $\boxed{\text{High}}$, $\boxed{\text{Medium High}}$, $\boxed{\text{Medium Low}}$, or $\boxed{\text{Low}}$, and press $\boxed{\text{OK}}$.

Ringer Types

Your SANYO Dual-Mode Phone provides you with multiple ringer types including five different melodies. Select a ringer type by following these simple directions:

1. From the menu, display `Tones` and press `OK`.

2. Display `Ringer Type`, and press `OK`.

3. Using your Navigation key scroll through the list of ringer types. Once you've displayed the ringer you want, press `OK`.
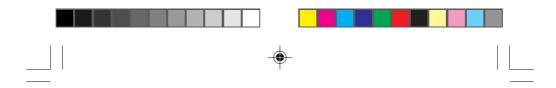
Tone Length

Changing your tone length may help to access older answering machines.
You can determine the length of your key beep (you hear this when you enter the number). Possible settings are: "Short" or "Long".

1. From the menu, display `Tones` and press `OK`.

2. Display `Tone Length`, and press `OK`.

3. Depending on your preference, display either `Short` or `Long` and press `OK`.

Alerts

Your SANYO Dual-Mode Phone comes with several different options to keep you aware of what's going on.

Message Alert:
This option is a tone that alerts you only once or every two minutes whenever you receive a message.
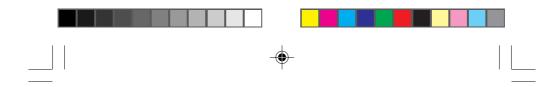Settings are: "Once", "+ Reminder" (every 2 minutes that a message is waiting) and "Off".

Minute Beep:
This option is a minute reminder that beeps ten seconds before the end of each minute during a call. Settings are: "On" and "Off".

Service:
This option is a tone that alerts you whenever your network service changes. For example, if the service alert is set to "On", your phone will sound an alert whenever you begin traveling outside of your local service area. Settings are: "On" and "Off".

For setting "Minute Beep" or "Service" Alerts

1. From the menu, display `Tones` and press `OK`.

2. Display `Alerts`, and press `OK`.

3. Display `Minute Beep` or `Service`, and press `OK`.
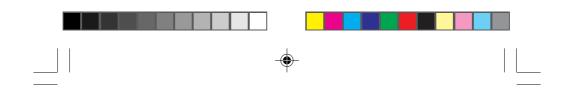
4. Display `On`, and press `OK`.

For setting "Message Alert"

1. Follow the above steps 1 and 2.

2. Display `Message Alert`, and press `OK`.

3. Display `Once` if you want an alert only, press `OK`.

   Display `+Reminder` if you want repeated alerts, press `OK`.

You can also choose an alert type from among the ringer types described on page 47.

1. After selecting "Alerts" menu, display `Msg Alert Type`, and press `OK`.

2. Using your Navigation key, scroll through the list of ringer types. Once you've displayed the ringer types you want, press `OK`.

How to Lock Your Phone

You must enter your security code to view the security menu. Typical default values are either the last 4 digits of your phone number or Social Security number. When your phone is locked, you can only make emergency calls (9-1-1, and your user-specified Special Numbers) or receive incoming calls. All other functions of the phone are disabled.
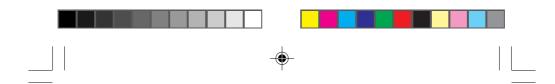
1. Display `Security` and press `OK`.

2. Enter security code.

3. Display `Lock Phone` and press `OK`.

4. Depending on your preference, display either `Lock Now` or `On Power-Up` and press `OK`.

Unlock Phone

1. Display `Unlock Phone` and press `OK`.

2. Enter security code.

Change the Security Code

To change your Security Code:

1. Display `Security` and press ⟨OK⟩.

2. Enter the existing security code.

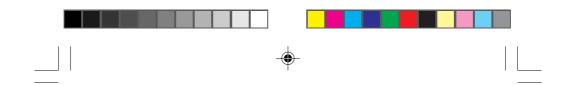3. Display `Change Code` and press ⟨OK⟩.

4. Enter new security code.

Re-enter your code and your new code will be saved.

Restrict Calls

The Restrict Call feature is an added security item, because this allows you to not receive calls from the outside or not send calls from your phone.

1. Display `Security` and press ⟨OK⟩.

2. Enter security code.

3. Display `Restricted Use` and press ⟨OK⟩.

4. Display `Outgoing` or `Incoming` and press ⟨OK⟩.

5. Display `Allow All`, `Phone Book Only` or `Emer. #s Only` and press ⟨OK⟩.

By selecting "Phone Book Only" , your phone will restrict you from making or receiving calls to any number other than your Phone Book entries. By selecting "Emer. #s Only", you will not be able to make or receive calls to any number other than special numbers and 911.
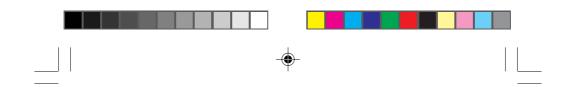
Note: Emergency calls can still be made in this state.

To deactivate Restrict Calls:

1.   Display `Security` and press `OK`.

2.   Enter security code.

3.   Display `Restricted Use` and press `OK`.

4.   Display `Off` and press `OK`.

Special Numbers

This feature allows you to store three important phone numbers that you would like access to even if your phone is locked. To add a phone number to your Special Numbers:

1. Display `Security` and press ⊙ OK.

2. Enter security code.

3. Display `Special #s` and press ⊙ OK.

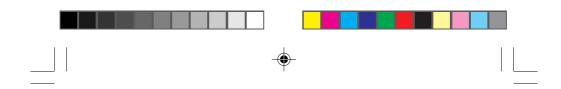4. Display the entry number where you would like to store the number and press ⊙ OK.

5. Enter the phone number.

6. Display `Save` and press ⊙ OK.

Erase Phone Book

To erase the entire Internal Phone Book:

1. Display `Security` and press ⊙ OK.

2. Enter security code.

3. Display `Erase PhoneBook` and press ⊙ OK.

4. If you're sure you want to erase your phone book, display `Yes` and press ⊙ OK.

Reset Phone

Resetting your SANYO Dual-Mode Phone will restore all the factory defaults, including ringer types, display settings, etc. However, your Call History, Internal Phone Book and Messages will not be affected.
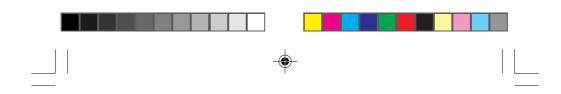
1. From the menu, display `Security` and press `OK`.

2. Enter security code.

3. From the security menu, display `Reset Phone` and press `OK`.

4. If you're sure you want to reset your phone, display `Yes` and press `OK`.

Keypad Lock

Keypad Lock allows you to keep the phone in your pocket or purse without the worry of accidentally dialing a number. To activate Keypad Lock from the menu, display `Keypad Lock` and press `OK`.
To disable Keypad Lock, press and hold `CLR` for about two seconds.

Auto Answer for The Hands-Free Car Kit or Headset

While your phone is connected to your hands-free car kit or headset you can set your phone to auto answer. This feature will enable your phone to answer incoming calls automatically after 1 ring or 3 rings; you do not have to press anything. (WARNING: While your phone is in the Auto Answer mode your phone will answer incoming calls regardless of whether you are present or not.) To activate this feature:
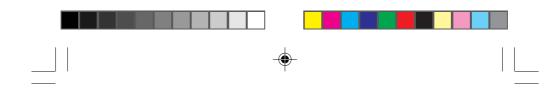
1. From the menu, display `Others` and press `OK`.

2. Display `Car/Headset Use` and press `OK`.
    Then `Auto Answer` is displayed.

3. Press `OK` again.

4. Display `1 Ring` or `3 Rings` and press `OK`.

To disable Auto Answer, simply follow steps 1-3 and select off.

Any Key Answer

Your phone can be set to answer incoming calls by pressing any key (not including the `END`, `POWER`, `CLR`, `VOL-`, `VOL+` or Navigation key.) To customize your phone to function this way, follow these simple instructions:

1. From the menu, display `Others` and press `OK`.

2. Display `Any Key Answer` and press `OK`.

3. Display `On` and press `OK`.

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Advanced Phone Features

Wireless Modem - Data and Fax Calls (CDMA service only)

Your phone may function like a wireless modem when connected to your laptop PC* computer or fax capable palm-size computing device if your service provider supplies wireless modem.
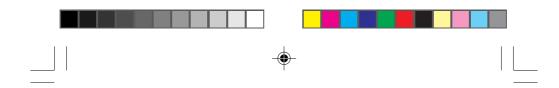You must purchase kit to send and receive data or faxes through your phone.

Please note that if the phone is set up for data or fax mode, you will not be able to receive any regular voice calls.

You do not need to set up the phone to fax or data mode if you are making an outgoing wireless modem call. However, if you want to receive fax or data calls, you will need to set up the phone to fax or data mode.
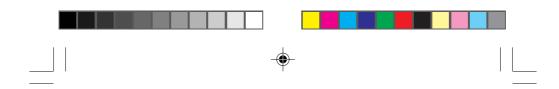
∗ not Powerbook™ and ibook™ Apple® Macintosh® compatible

To start a data or fax call on your wireless modem

Your phone must be connected to your laptop PC or fax capable
palm-size computing device via the data cable, which is included
in the wireless modem connection kit.

1. Initiate a data or fax call using your dial-up software
    (included in your kit).

2. When trying to connect to the network, the phone displays
    "Connecting…Data" or "Connecting…Fax". Once connected,
    the display shows the duration of the data or fax call, the
    caller's name and phone number.

3. To terminate the wireless modem call, use your dial-up
    software; fax calls typically terminate automatically.

Note: Don't press $\boxed{\text{END}}$ while sending data, this may cause your
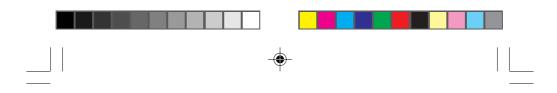data or fax application to temporarily lock up and could cause loss
of data.

To receive a call via your Wireless Modem

Your phone must be connected to your laptop PC or fax capable palm-size computing device via the data cable.

1. From the main menu, display Others and press OK.

2. Display Data/Fax(In), and press OK.

3. Display Incoming Fax or Incoming Data and press OK.

4. The appropriate dial-up software must be running. Consider setting your dial-up software to automatically answer incoming calls so you can receive them while away from your laptop PC.

5. Your phone will display either "Data Call From:" or "Fax Call From:", depending on the type of incoming call. Once connected, the display shows the duration of the data or fax call, the caller's name and phone number.

6. To terminate the data call, use your dial-up software; fax calls typically terminate automatically.

Note: Don't press END while sending data, this may cause your data or fax application to temporarily lock up and could cause loss of data.

The Wireless Internet Browser

NOTE: PLEASE CHECK WITH YOUR SERVICE PROVIDER TO SEE IF THIS FEATURE IS AVAILABLE IN YOUR AREA.

The Wireless Internet Browser will allow you to access information such as stock quotes, sport scores, weather and news via the Internet in those areas where your service provider supports it. Browsing the internet via the your phone is not like using your home computer. Site providers have selected only the critical aspects of their site to present to wireless phone users, and have removed the graphics.
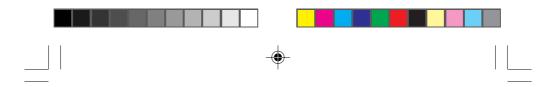
Each time you start the Wireless Internet Browser, the phone will connect to the digital network as necessary, and you will be billed accordingly. Rates will vary according at your service plan.

The Browser will end the connection after a certain period of network inactivity and will automatically re-connect as necessary. For this reason, you may find that you are billed for several network connections within a single wireless internet Browser session. This is normal and is designed to minimize your bill.

Each time you start the Wireless Internet Browser, you will view a reminder that you will be billed for the connection time.
If you wish to disable this reminder, follow the steps below:

1. From the main menu, display `Others`, and press `OK`.

2. Display `Browser`, and press `OK`.

3. Display `Prompt`, and press `OK`.

4. Press ▲ or ▼ of the Navigation key to display `None`, and press `OK`.
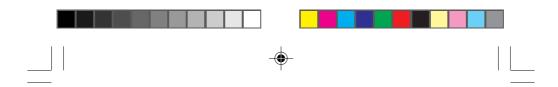
Starting the Browser

NOTE: PLEASE CHECK WITH YOUR SERVICE PROVIDER TO SEE IF THIS SERVICE IS AVAILABLE IN YOUR AREA.

The first time you access the Wireless Internet Browser, you will go through a security setup process that takes 3 to 5 minutes. Please follow the on-screen prompts to complete the security setup process. [This initial set-up process occurs only the first time you access the service.]

To start the Browser:

1.) From the Main Menu, display `Browser` and then press `OK`.

2.) A reminder of the charge will appear; display `Yes` and press `OK` to start the browser if required.

3.) After a few seconds, you will see the first page.

Ending the Wireless Browser Session

If you want to end a Browser session, display $\boxed{\text{Exit}}$ and press $\boxed{\text{OK}}$.
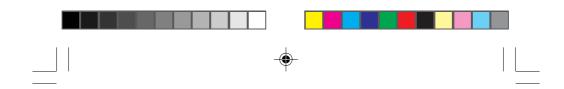
Playing the "Crab Catch" Game

Your SANYO Dual-Mode Phone allows you to take time out to enjoy a game.

1.   From the menu, display $\boxed{\text{Special}}$, and press $\boxed{\text{OK}}$.

2.   Display $\boxed{\text{Game}}$, and press $\boxed{\text{OK}}$. Then the game starts.
      Move the crab to left or right by pressing ◀ or ▶ of the
      Navigation key so that more apples drop into the crab's claws.
      You can also use ◆*⊀ or ⊞◆ to move the crab to left or
      right.

      When three apples drop without catch, or three apples drop
      onto the crab's body, not claw, the game is over.
      Then, "High Score" (Best score until the last time) and "Your
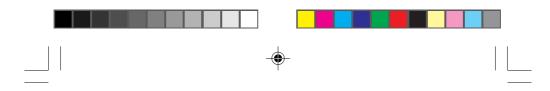   Score" (this time score) will be both displayed.

3.   To end the game, press $\boxed{\text{END}}$.

Using Your Phone as a Calculator

You can use your SANYO Dual-Mode Phone as a calculator.

1. From the menu, display `Special`, and press `OK`.

2. Display `Calculator`, and press `OK`. Now, you can start calculating, by using numerical keys and the Navigation key. You can use Navigation key to enter **+**, -, **x** or ÷ as indicated on the display.
    For addition, press ▲
    For subtraction, press ▼
    For multiplication, press ◄
    For division, press ►

Example of calculation: 1234.3 **+** 23.7 = 1258

1. Press **1**, **2**, **3** and **4**.

2. Press **#➡**, and then **3**. The display shows "1234.3".

3. Press ▲ of the Navigation key. "+" mark flashes.

4. Press **2**, **3**, **#➡** and **7**. The display shows "23.7".

5. Press `OK`. Then the display shows the correct value "1258.".

To clear the number(s) you entered, Press `CLR`.

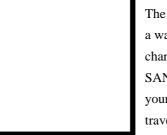To end calculation, press `END`.

Accessories

LiIon Batteries

Two types of Lithium Ion (LiIon) batteries are available for use with your SANYO Dual-Mode Phone.
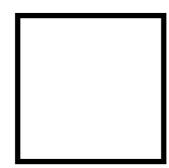
• Standard LiIon Battery

• Extended LiIon Battery

Figure 1: Standard and Extended Batteries

AC Adapter Charger

The AC adapter charger plugs into a wall outlet and enables you to charge your SANYO Dual-Mode Phone at your home or office, or when traveling.

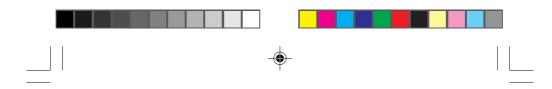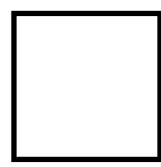**Figure 2: AC Adapter Charger**

Cigarette Lighter Adapter

The cigarette lighter adapter charges your SANYO Dual-Mode Phone in a vehicle from the cigarette lighter socket or power outlet while driving.

Figure 3: Cigarette Lighter Adapter

Dual-Slot Desktop Charger

The dual-slot desktop charger charges the battery at your home or office.

Figure 4: Dual-Slot Desktop Charger

Leather Case

The leather case provides protection and the convenience of allowing you to wear your SANYO Dual-Mode Phones.

Figure 5: Leather Case

Wireless Modem Connection Kit

The data cable allows you to transmit and receive data by connecting your SANYO Dual-Mode Phone to a laptop computer or palm-sized computing device-separate service is required.

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Charging Times with Accessories

	Standard Lithium Ion Battery	Extended Lithium Ion Battery
AC Adapter Charger	3.0 hrs.	5.0 hrs.
Cigarette Lighter Adapter	3.0 hrs.	5.0 hrs.
Dual-Slot Desktop Charger	3.0 hrs.	5.0 hrs.

The accessories listed above are available for purchase at your dealer.

Usage guidelines:
All about performance
and safety

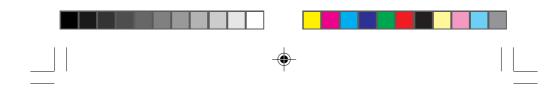## Keeping tabs on signal strength

The voice quality of your SANYO Dual-Mode Phone will always be at its best when the antenna is fully raised. If you're inside a building, reception may be better near a window.

The quality of each call you make or receive depends on the signal strength in your area. Your phone will inform you of the current strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. (See page 6 for an illustration of the signal strength indicators.)

Understanding Power Save mode

If you're trying to use your phone in an area where the signal cannot be found, the Power Save feature will automatically activate to conserve battery power when you've been unable to pick up a signal for 15 minutes. If your phone is on, it will periodically recheck service availability, or you can do so yourself manually by pressing any key. A message will be displayed on the screen any time Power Save has been activated.
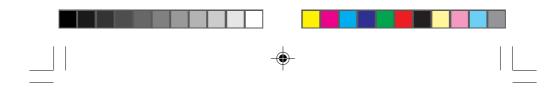
Understanding how your phone operates

Your SANYO Dual-Mode Phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. Your phone operates in the frequency range of 800 MHz. When your phone is in use, the system handling your call controls the power level.

Radio frequency safety

In 1991–1992, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted a hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

The design of this SANYO Dual-Mode Phone complies with these updated standards. Of course, if you want to limit RF exposure even further than the updated standard, you can choose to control the duration of your calls and operate your phone in the most power-efficient manner.

Maintaining your phone's peak performance

To operate your phone properly – that is, to maintain safe and satisfactory service – you should follow these rules:

▶ For best reception, fully extend the antenna.

▶ Hold the phone with the antenna up and over your shoulder.

▶ Do not hold the phone antenna at any time.

▶ Do not use the phone with a damaged antenna.

▶ Speak directly into the mouthpiece.

Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, turn the power off immediately and remove the battery. If it is inoperable, you should return it to an authorized service center or call for service.

Only authorized personnel should service your phone and its accessories. Faulty service may invalidate the warranty.

Protecting your battery

For best battery performance, you should follow these guidelines:

▶ Use only SANYO-approved batteries and AC adapter, cigarette lighter adapter, and desktop charger.

These chargers are designed to maximize battery life. Using other batteries or chargers will invalidate your warranty and may cause damage as well.

▶ To avoid damage, charge the battery only in temperatures that range from 32˚F to 104˚F (0˚C to 40˚C).

▶ Do not use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.

▶ Never dispose of the battery by incineration.

▶ Keep the metal contacts at the bottom of the battery clean.

▶ Do not attempt to disassemble or short-circuit the battery.

▶ You may need to recharge the battery if it has not been used for a long period of time.

▶ Replace the battery when it no longer provides acceptable performance. It can be recharged hundreds of times before it will need to be replaced.

▶ Do not store the battery in high temperature areas for long periods of time. Follow these storage rules:

Less than one month: -4˚F to 131˚F (-20˚C to 55˚C)
More than one month: -4˚F to 95˚F (-20˚C to 35˚C)

Driving

Using a wireless phone while driving is illegal in some states and countries. For your safety, become familiar with the laws and regulations for your area, and pull off the road and park if you need to make a call.

If you must use the phone while driving, purchase and have installed the optional hands-free car kit or the headset.

Safety–
Your most
important call
**The Wireless Industry
Reminds You To Use Your
Phone Safety When Driving**

Disposal of Lithium Ion batteries

This product contains a Lithium Ion battery. Please ensure that disposal of this battery is in accordance with applicable laws and regulations.

▶ Do not dispose of the battery in a fire; the cell may explode.

▶ Do not open or puncture the battery; the released electrolyte is corrosive and may cause damage to the eyes and skin.

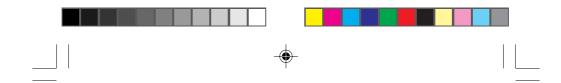This substance also can be toxic if swallowed.

Following safety guidelines

To operate your phone safely and efficiently, you should always follow any special regulations in a given area, and turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using your phone near other electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from cellular phones may affect inadequately shielded electronic equipment.

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

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

Turn off the phone in healthcare facilities and request permission before using the phone near medical equipment.

Turn off your phone before flying

You should turn off your SANYO Dual-Mode Phone before boarding any aircraft. To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Restricting children's access to your phone

Your phone is not a toy, and should not be played with by children. They could hurt themselves and others, damage the phone or make calls that increase your telephone bills.

Turn off your phone in dangerous areas

To avoid interfering with blasting operations, you should turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn off your phone when you are in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks could cause an explosion or a 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; areas where the air contains chemicals or particles such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Do not transport or store flammable gas, liquid or explosives in the compartment of any vehicle that contains your phone or accessories.

Cautions

Any changes or modifications to your SANYO Dual-Mode Phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Use only SANYO approved batteries, antennas and chargers.
The use of any other type of accessory may invalidate the warranty.

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FCC notice

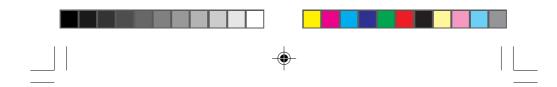The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the telephone if such interference cannot be eliminated. If you need assistance, contact your local dealer.

And last, but certainly not least, vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which

can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

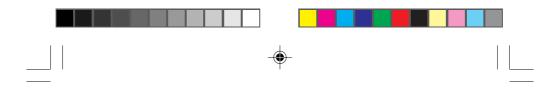-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

PATENT INFORMATION

The products/Equipment described in the attached documentation are manufactured under one or more of the following U.S. Patents:

4,901,307,	D356,560,	5,506,865,	5,566,357,	5,608,722,
5,056,109,	5,408,697,	5,509,015,	5,568,483,	5,614,806,
5,099,204,	5,414,728,	5,509,035,	5,574,773,	5,617,060,
5,101,501,	5,414,796,	5,511,067,	5,574,987,	5,621,752,
5,103,459,	5,416,797,	5,511,073,	D375,740,	5,621,784,
5,107,225,	5,426,392,	5,513,176,	5,576,662,	5,621,853,
5,109,390,	5,437,055,	5,515,177,	5,577,022,	5,625,876,
5,193,094,	D361,065,	5,517,323,	5,577,265,	5,627,857,
5,228,054,	5,442,322,	5,519,761,	D375,937,	5,629,955,
5,257,283,	5,442,627,	5,528,593,	5,588,043,	5,629,957,
5,265,119,	5,452,473,	5,530,928,	D376,804,	5,638,412,
5,267,261,	5,461,639,	5,533,011,	5,589,756,	5,640,414,
5,267,262,	5,469,115,	5,535,239,	5,590,069,	5,642,398,
5,280,472,	5,469,471,	5,539,531,	5,590,406,	5,644,591,
5,283,536,	5,471,497,	5,544,196,	5,590,408,	5,644,596,
5,289,527,	5,475,870,	5,544,223,	5,592,548,	5,646,991,
5,307,405,	5,479,475,	5,546,459,	5,594,718,	5,652,814,
5,309,474,	5,483,696,	5,548,812,	5,596,570,	5,654,979,
5,337,338,	5,485,486,	5,559,881,	5,600,754,	5,655,220,
5,339,046,	5,487,175,	5,559,865,	5,602,834,	5,657,420,
5,341,456,	5,490,165,	5,561,618,	5,602,833,	5,659,569,
5,383,219,	5,497,395,	5,564,083,	5,603,096,	5,663,807,
5,392,287,	5,499,280,	5,566,000,	5,604,459,	Other patents
5,396,516,	5,504,773,	5,566,206,	5,604,730,	pending