INSTRUCTION MANUAL

A preliminary draft of the User's Manual follows this page.
        The text on the following 148 pages will be added to the user manual.

EXHIBIT 8

Welcome

Thank you for purchasing Motorola mobile phone with world leading mobile communication technology.   Motorola's mobile communication equipment are designed and produced in compliance with its strict in-house standards and the international standards. They are subject to the strict quality tests including temperature, humidity, dust, vibration and drop tests. We are confident that you will be highly satisfied with the Motorola products that have been manufactured after such processes. Thank you again for choosing Motorola, and we hope that you would succeed in your business with your ZN50.

* Some of the contents and the functions in this manual subject to change without prior notice according to situation.

* We suggest that you set your phone on vibration at a public place.

Prohibition of Illegal IMEI Modification

Removing or editing IMEI (International Mobile Equipment Identity) which is assigned to the mobile phone manufactured and supplied by Motorola, or an attempt to duplicate it to another phone is strictly prohibited and subject to maximum 10-year imprisonment or a fine up to 20 million Won in pursuant of Article 347 or the Criminal Act. Furthermore, such illegal action may result in damaging the software.

Therefore, be aware that you do not get any disadvantage from such illegal action. Furthermore, if such illegal action is evident, your privilege, to receive any services provided by Motorola, will be lost.

Safety Information

Read this 'Safety information' carefully for your own safety and to prevent possible property damage.

CAUTION

● Do not lend your phone to other person.

● Follow appropriate cell phone etiquette in public places.

● If any problem occurs with your phone, contact designated service center.

● If your phone is lost or stolen, report your mobile service provider immediately.

● Do not use unauthorized devices with your phone.

- Unauthorized battery charger, stereo earphone, USB data cable, batteries or any other unauthorized devices may decrease your product's performance and may result in product malfunction.

● Do not use your earphone for extended hours.

- If you are exposed to loud sound for extended period of time, it may damage your hearing.

● Make sure to record important data separately.

- Saved phone numbers or other data can get lost due to user's carelessness or other unexpected problems.

● Make sure to keep your phone in dry places (with relatively low humidity) at all time.

- If either mobile phone or battery is immersed in 'liquid', the color of immersion-checking label attached on your mobile phone or battery will be changed.　In this case, you will loose the privilege of receiving free service by Motorola.

．This product should not be added with any separate equipment that may cause an alteration to its original performance as described on type registration.

To use the mobile phone safely for a long time

Use authentic products only.

Using unauthorized products (battery, charger etc.) may shorten product's life or decrease its performance.

Be careful not to cause damages to the glass of mobile phone display.

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove.

Stop using your mobile device until the glass is replaced by a qualified service center.

Do not dry your mobile phone with a heating apparatus.

If you dry a wet mobile phone or battery with a heating apparatus may cause explosion or damage to your phone. In this case, do not turn on the power, separate a batter from the phone and contact a service

center designated by Motorola.

↘ Safety Information (Cont'd)

Use and keep the phone at room temperature.

If a mobile phone or battery is placed in a hot or cold place, it may shorten product's life or decrease its performance.

Keep the mobile phone clean at all time.

• If there are foreign substances on a metal part of a charger or battery, the phone may not be charged properly.

• Use smooth cloth to clean the mobile phone and do not use flammable chemicals such as alcohol, benzene, thinner, etc. for cleaning.

Do not give strong impact to the mobile phone, disassemble or modify it.

Giving a strong impact or dropping the mobile phone or battery may cause malfunction or explosion. In case of disassembling or modifying the mobile phone on your own discretion, you will lose privilege to receive free service.

Do not use the phone while charging.

If you use the mobile phone while charging it with a charger or USB data cable, there is a risk of electric shock or fire. Make sure that you use the phone after disconnecting it from USB data cable or charger.

Be cautious when you use an USB data cable.

If you connect the phone with PC via USB data cable, there is a risk of electric shock depending on the grounding state of the PC power.

Do not place items containing magnetic components.

Placing the phone near magnetic components may cause product malfunction or cause battery discharge which can lead to performance decrease.

↘ Safety Information (Cont'd)

Make sure to back-up all the data stored in your mobile phone.

• Saved data (such as phone number or pictures etc.) can be deleted unexpectedly due to user's carelessness, software upgrade or product repair etc.

• Manufacturer shall not be responsible for such data loss.

Use the phone in proper position.

If you do not hold the phone in upright position or block the antenna (internal/external) may affect quality of a phone call. It may also consume higher power which can shorten the talk and standby time.

Keep the phone out of animal or children's reach.

If children or animals suck or bite the mobile phone or battery, they may run into a risk of having an electric shock or exposure to electromagnetic wave.

Be careful when you use a necklace or cord for the mobile phone.

Be careful that using a necklace or cord for the mobile phone may cause you to run into dangerous accidents like being caught in train, electric railway or car doors.

Do not paint or put sticker on your mobile phone.

• Such action may damage your phone's joints and your phone may not open or close properly.

• Paint or metallic content on the phone may cause an allergic reaction, eczema, itching, swell, and etc.

↘ Safety Information (Cont'd)

Precautions on location

Do not use the mobile phone in a place with risk of explosion.

In a construction sites and military areas, explosives can be controlled with RF devices. Turn off your phone and follow the proper instructions and signals.

Do not use the mobile phone in near inflammable materials.

Do not install or use accessories onto your phone in a potentially explosive atmosphere including gas station, gas leak areas, and deck on boats.

Do not use the mobile phone in a prohibited area such as air plane and hospitals.

Radio frequency emitted from your phone may affect some of the devices used in an air plane or hospitals and cause accidents.

Do not use the mobile phone near pacemakers.

• Electromagnetic waves from your mobile phone may affect pacemaker when it is used within 15cm (6inches) from it.

•If it is necessary, person with pacemaker should always use the phone in the opposite side of the pacemaker and keep the distance over 15cm.

Using the mobile phone while driving

Do not use the mobile phone while driving.

• Using the mobile phone while driving a car is dangerous and such action can cause car accidents.

• Check the local laws and regulations on using the mobile phones while driving.

Do not install a hands-free device near air bag.

An air bag inflates with great force in a moment. Do not leave your phone or set up the hands-free kit near to the air bag. You may be seriously injured when the air bag is activated.

↘ Safety Information (Cont'd)

Using battery and charger

A chargeable battery is consumable.

The repetition of charging/discharging will shorten its operation time gradually.

When the phone is not being charged properly, lamp on the charger will flicker.

Check the charger to avoid the trouble that may occur to each device.

If the temperature of the battery rises over 45˚C while charging, stop charging the phone for your own safety.

Mobile phone and battery cover need to be combined at all time.

If not, it may cause malfunction.

In case of separating a battery from the mobile phone, please turn off the power.

If not, it may cause malfunction.

Make sure to charge the battery with the battery charger authorized by TTA.

Using unauthorized charger may cause damage to your phone.

Keep your phone at room temperature of 0℃~40℃, avoid direct sunlight or place with high temperature and humidity.

If not, it may damage the phone and cause the phone to explode.

Do not place the phone in areas that may get very hot, such as microwave or near heating apparatus.

It may damage the phone and cause the phone to explode.

Ensure that charging terminal of the battery does not make contact with other metallic objects such as necklace, coins and keys.

There is a risk of explosion or fire.

Before Use

Components

Before using your phone, make sure you have all the components included in your package.

Mobile phone	Battery cover	Standard battery	Multi adapter
USB Data cable	Stereo earphone	User guide	

• Above illustration may look slightly different and the supplied items may change without notice.

• If you attach the multi adapter to the 'accessory connector', be careful not to loose the body of the multi adapter.

• If you contact 20PIN terminal of the basic components such as Stereo earphone, Multi adapter, USB Data cable (20PIN travel charger will be sold separately) to the PC's USB port, be aware that

your PC may malfunction (Power off, Reset).

Parts of the Phone

Light sensor

MP3 button

• Move to MP3 Playlist

• MP3 Player control

▷| – Play content

|◁◁ – Short touch: Play next content

Long touch: Fast forward

▷▷| – Short touch: Play previous content

Long touch: Rewind

Stereo earphone port

Back Camera

Battery Cover

Battery cover release button

Speaker

↘Parts of the Phone (Cont'd)

Volume button • Adjust volume in standby screen (Operation Effects, Wallpaper, Ringtone, Voice) • Adjust volume during a phone call • Zoom in/out in camera mode **Multi-Access button** • Run Multi-Access function **External connection port** • Connect Multi adapter, USB data cable **Accessory connector**	**Earpiece** **Front camera** • Use for video calling • Use for self capture/recording **Touchscreen** **Microphone** **Keypad**	**TDMB antenna port** **Hold button** • Lock/Unlock the touchscreen when the slide is closed **Camera button** Activates camera function in standby screen • Press: Move to 'Camera' Menu • Press and hold: Move to camera preview function
Left side view	**Open view**	**Right side view**

Keypad

Send button

• Dial/Answer a call

• Shows recent call/message history

• Press and hold to dial recent voice call number

* button

• Press and hold to set/cancel 'Etiquette mode'

O button

• Input + for international calls

Cancel button

• Go back to previous screen

• In message : Delete a character

End button

• Power On/Off

• End or reject a call

• Move to standby screen

9 button

• Press and hold in standby screen to call Mobile security number

 # button

• Press and hold to set/cancel 'Phone lock'

USIM Card

In order to use the phone, you should insert the USIM (Universal Subscriber Identity Module) card supplied by SKT.

Installing the USIM card

	1. Remove the battery cover
	2. Remove the battery by lifting it up.
	3. Insert the USIM card as shown in the figure.
	• Make sure that USIM card is inserted in proper position with the gold contact facing down.
	4. Put the battery back.
	5. Close the battery cover.
	• Push the battery cover until in clicks.

Removing the USIM card

	1. Remove the battery cover and the battery. **2.** Remove the USIM card as shown in the figure. **3.** Put the battery and the battery cover back.	**Note** • Calling and data usage fees are charged to the person registered to the USIM card. Therefore, be careful not to loose or transfer ownership. • Set the password on your USIM card to prevent other people from using your USIM card when it is stolen or lost. • Data inside of the USIM card can be damaged when the card gets scratched or bent. • Using the USIM card with Transportation card function, battery usage time may get shorter. • Turn the power off before inserting the USIM card. If you insert the USIM card while the phone is on, card will not be in recognized. • If you enter the wrong USIM card password for 3 consecutive times, USIM card usage will be restricted. In this case, Contact the retail store or SKT. • For more information on USIM card, contact SKT retail store or Service center.
• Emergency calls can be made without the USIM card. If emergency situation happens when your phone does not have the USIM card, touch [Emergency Call] and select the number and press the **[Send]** button. • You can use the menu on the standby screen even when the USIM card is not inserted.	

Battery

Battery in the package is not fully charged therefore make sure to fully charge the battery.

Installing the battery		Removing the battery	
	1. Put the battery. Battery charge terminal and the phone charge terminal should be engaged as shown in the figure.		**1.** Push the battery cover (in the direction of the arrow as shown in the figure) while pressing the battery cover release button.
	2. Put the battery back properly. Push it until it clicks.		**2.** Lift up the battery as shown in the figure.
	3. Place the battery cover to the battery cover groove. Push the battery cover (in the direction of the arrow as shown in the figure) until it clicks.		**3.** Remove the battery from the phone.
		Caution	
		Make sure that the power is off when you remove the battery.	
		- If you remove the battery while the phone is on, it may damage your phone.	

Charging the battery

	Charging the battery with a USB data cable
	1) Open the external connection port cover and connect the multi adapter.
	2) Connect the USB cable to the multi adapter.
	• To charge your phone by using the USB data cable, you should have the SKT integrated USB driver installed in your PC.
	• If you connect your phone to your PC by using the USB data cable, both charging and communication function is available. You can charge your phone and transfer data from it.
	3) Connect the USB data cable to the USB port on your PC.
	Note
	• Some of the data cables do not support battery charging depending on their type.
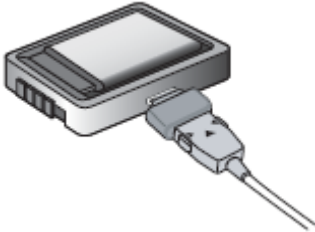
↘Battery (Cont'd)

Charging the battery (Cont'd)

	Charging the battery with the battery charger 1) Insert the battery on the battery charger. • Check and make sure that the battery is in proper position. 2) Connect the multi adapter to the battery charger. 3) Connect the travel charger to the multi adapter. 4) Connect the power cord of the travel charger to an electrical outlet. • Red: Charging, Green: Charging completed
sss	**Charging the battery with the travel charger** 1) Open the external connection port cover and connect multi adapter. 2) Connect the travel charger to the multi adapter. 3) Connect the power cord of the travel charger to an electrical outlet. · Red : Charging, Green : Charge complete
	Note • Use TTA certified charger (20 PIN and 24 PIN) uncertified chargers may cause incidents or damage to your phone. • 24PIN travel charger is not included in the package for conservation of resources. It is an optional accessory which can be purchased separately from the retail shop or service center.

Battery charging status

Type	Charging in progress	Charging completed
Travel charger	Red	Green

Lamp blinks in red

• Status of the charging terminal is poor. Check if the battery is clean.

• Battery or the other accessories may be damaged. Contact service center.

Lamp blinks in orange

• Battery is being charged in a place too hot or cold. When the temperature returns to normal, the lamp turns red and begins charging again.

Battery charging time

Type	Standard battery (940mAh)
Time	Approx. 150 minutes

• Charging time can be different depending on the status of battery and the charger.

• Charging time may increase if the rated voltage of the charger is low.

Battery operating time

Type	Standby time	Voice call time	Video call time	TDMB watching time
Standard battery (940mAh)	Approx. 210 hours	Approx. 230 minutes	Approx. 215 minutes	Approx. 165 minutes

※ Based on a new battery/Bluetooth mode off/no external memory

• Above service time of the battery is measured according to standard set by SKT. Actual operating time can be different depending on the status of usage.

• Using Bluetooth function will increase battery consumption.

• If you have large amount of calling, it will be more convenient to charge a battery everyday.

• Calling or using NATE, ⑪Playon, WINC, MP3 consumes more battery than when the phone is in standby. If the calling time becomes longer, standby time will get shorter.

• Receiving call will consume as much battery as making a call.

• Standby time may get shorter in out-of-service area.

• Operating time may vary depending on the charge status, temperature (high/low), wave status in the surrounding and the lighting.

Low battery

• When the battery is low, '▭' icon will blink and you will hear notification saying, 'Recharge your battery'.

• When the '▭' blinks, light of the display or the button will not turn on.

• When the battery is low, functions may not be able to operate. Charge the phone immediately.

Basic Operation

Power On/Off

Power on screen	**Power On** **Press and hold the** ▭ **for 3 seconds while the phone is off.** • The graphic set by the user will be displayed, and then the phone switches into the standby screen. • If the user has set the USIM card PIN lock, you have to enter a PIN to use the phone. (USIM Setting, see p.00)
Press and hold: Power On/Off	**Power Off** **Press and hold the** ▭ **for 3 seconds while the phone is on.** • A graphic disappears and the power will be turned off.
	Note You can change the graphic from **Menu** ▶ **Display** ▶ **Main Display.**

Standby Screen

Standby screen description

	Status indicator
	You can view different icons that show depending on different status.
	Quick mode
	Hidden setting window will appear when you touch the quick mode tab.
	You can turn on/off the Bluetooth mode and the pre-set alarm.
	Background
	You can set the background from Normal mode, Widget mode and Moto widget mode.
	Main menu
	You can see the hidden main menu by touching the tab.
	Application shortcut
	You can easily access to Phone, Message, Phonebook and NATE.

↘Standby Screen(Cont'd)

Icon description

	Network System : Airplane mode : Connected to roaming service		Ringtone ON		Individual function locked
	Signal strength : Low Signal : Full Signal		No Ring & Vibrate		All function, Hold button Locked
	Airplane mode ON		New text/voice message received		Individual function, Hold button Locked
	Connected to voice call or NATE		NATE Air Message received		External memory card inserted
	Out of service area		Cyworld Message received		Battery level : Full : Charge needed
	Melon Player ON		New e-mail received		USB data cable connected
	Etiquette mode Vibration ON		Mobile Messenger ON		PC-Sync connected
	Etiquette mode Mute ON		Alarm ON		Headset connected

	Ring & Vibrate		Hold button Locked		Handsfree connected
	Vibrate ON		Function locked		

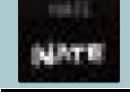| Touch and hold the switch and drag up and down to turn ON/OFF the quick settings.	**Quick Mode**
	• You can turn on the Bluetooth mode and pre-set alarm.
	Bluetooth Mode You can turn the Bluetooth mode on/off.
	Alarm • You can turn on/off the pre-set alarm. • You can set the alarm from **Menu▶Organizer▶Alarm.** • You may check the alarm settings on the right side of the alarm switch. Touch [▶] to check the other alarms if there are more than one pre-set alarm.
	Note • If you turn the switch on, it will turn blue and the icon will be displayed.

↘Standby Screen (Cont'd)

Background

Normal mode	Widget mode	Moto widget mode
• If the background is set to normal mode, you can add clock/calendar and greeting messages of your choice.	• If the background is set to widget mode, you can use several function by touching the icon. • You can touch and hold the icon and drag it move the icon by touch and hold the icon	• If the background is set on Moto widget mode, you can use several function by touching the icon. • You can add, delete or move the icon. • If the screen becomes full with icons, you can glide the screen left and right and add more icons.

Main menu

		T Service	You can use the services provided by mobile network provider.
		Sound	You can set ringtones, sound effect and other sounds.
		Display	You can set background mode, wallpaper and screen design.
		Contents	You can view all the photos, movies and music saved on your phone.
		Multimedia	You can watch TDMB or listen to music.
		Organizer	You can set the alarm, schedule and write a memo.
		Message	You can write new messages, send and receive messages.
		Phonebook	You can add new phone number or view/edit existing number.
		Internet	You can connect to NATE, use web surfing or other mobile internet functions.
		Camera	You can use various camera functions such as take a picture, record a movie or checking the photo/movie album.
		My Moto	You can use convenient functions such as subway map, dictionary, e-book etc.
		Settings	You can change general settings of your phone and the function.

↘Standby Screen (Cont'd)

Application shortcut

• You can easily access to Phone, Message, Phonebook, and NATE.		
	Phone	• Short touch: Access keypad to make a call. • Long touch: Access to call history.
	Message	• Short touch: Access to message menu. • Long touch: Access to new message.
	Phonebook	• Short touch: Access to phonebook. • Long touch: Access to search number.
	NATE	• Short touch: Access to NATE menu. • Long touch: Access to NATE homepage.
Note • Missed call or received message will be displayed as below. : Number of missed call. : Number of received message.		

Touchscreen

Touchscreen	**Before using the touchsccren**
	• Do not press the touch screen too hard.
	- You can use the touchscreen with gentle touch.
	- If you press the touchscreen too hard or give excessive shock, it may damage the sensor.
	• Touch the button of the application accurately.
	- Subtle touch can select other function.
	• Be careful with the humidity. Use the screen with clean and dry hands.
	- Avoid using it in a place with high humidity and if your hands are wet, dry them before using the phone.
	• Make sure conductivity objects does not contact the touchscreen.
	- Conductivity objects may cause touchscreen malfunction.
	• Be aware that touchscreen can only be used with human body.
	It cannot be used with stylus or other objects.
	Caution
	Using the phone while charging it with travel charger may cause malfunction on your touchscreen. If any problem occurs, disconnect the charger and try using it again.

↘Touchscreen (Cont'd)

Lock/Unlock Touchscreen	Selecting Menu
• To use the touch screen while the slide is closed, press and hold the **[hold]** button. • When the slide is closed, touchscreen will be 'locked' automatically and screen light will turn off after set time. • To lock the touchscreen, press the **[Hold]** button when the touchscreen is unlocked.	• You can touch the screen to run the application.

List Scrolling	Quick List Scrolling
• You can drag up and down by suing your finger to scroll within the screen. • You can scroll up and down by touching and hold the touchscreen and then flick your finger.	• You can touch and hold the top and bottom part of the list to scroll quickly within the screen.

↘Touchscreen (Cont'd)

Gliding	**Dial Keypad**
• You can glide screen by dragging the screen left and right by using your finger. • You can glide Background (Moto widget mode), Photo Album, Movie Album, move between menu and TDMB channel.	• When using the wireless internet, press ⊞ to access keypad. • You can drag 'Transparency bar' left and right by using your finger to adjust keypad transparency.

Selection Mode	**Time Setting**
• If you want to select more than one item, you can touch and slide the item to the right, to enter the selection mode. • Selection mode is only available in list mode.	• You can touch the number you want or you can touch and rotate to set the time.

↘**Touchscreen (Cont'd)**

Zoom Mode	
	• You can touch the screen for 2 seconds or press the **[Volume]** button up to activate the zoom mode. • You can press the **[Volume]** button down in photo album to activate the zoom mode. • To use the zoom function, touch +/- or press **[Volume]** button to zoom in and out the photo. • To quit the zoom mode touch the screen twice.
	Note **Functions which supports zoom mode** Photo Album, Subway Map, File Viewer, Total Vintage Chart (Enjoy Wine ▶ Tips for Wine ▶ Vintage Guide)

Photo View	Etiquette Mode
• You can view the photo horizontal when you rotate the phone 90°.	• You can activate/deactivate etiquette mode by press and hold the [icon] on the keypad.

Display description

Check the different types of the display.

When soft buttons appear, you can touch the button you wish to use.	If the list is too long to fit in the screen, scroll bar will appear.	After entering texts, you can touch to confirm or to cancel.

Selected item appears on the button and you can touch the button to change the selection.	If there are more items available for selection, ▼ appears.	You can touch [▷] to preview before setting and selected item will have ∨ mark beside it.

↘**Display description (Cont'd)**

While touching the On/Off switch, you can drag it left and right to turn on/off the function.	If you select one of the items from the list, selected item turns green.	You can select one of the tabs.

Widget

Widget mode

	• If the background is set to widget mode, you can use several function by touching the icon.
	• You can set the background in widget mode in **Menu** ▶ **Display** ▶ **Main display** (Main display, see p.00)
	• If you touch and hold the icon, the icon becomes dim and you can move the icon in the position you want.
	• You cannot delete or add functions other than 5 designated functions.

		NATE		e-mail		Memo
		Web surfing		Calendar		

↘Widget (Cont'd)

Moto widget mode

	• If the background is set on Moto widget mode, you can use several function by touching the icon.
	• You can set the background in moto widget mode in **Menu** ▶ **Display** ▶ **Main display** (Main display, see p.00)
	• You can glide the screen left and right to select other functions.
	• If you touch and hold the icon, the icon becomes dim and you can move the icon in the position you want.
	• You can add, delete or move the icon.

Using Moto widget

Icon description

Analog clock		Calendar		Phonebook		T-map
Digital clock		Dual clock		Unit converter		Photo album
Schedule		D-day		Subway amp		Dictionary
				Memo		Main display
				TDMB		Phone
				MelOn		Calculator
				Messages		Movie album
				File viewer		E-book
				Ringtone		Help file
				Alarm		World time

↘Widget (Cont'd)

↘Using Moto widget (Cont'd)

Adding function	Deleting function
1) Touch the ![icon] in the background. 2) Touch and hold the icon of the function you wish to add on the background. 3) Once the icon is added, you can touch and hold the icon and drag it anywhere you want to place.	1) Touch and hold the icon of the function you wish to delete. Icon becomes dim and the ![icon] will change to ![icon]. 2) Drag the selected icon to ![icon].

Multi-Access

You can use multiple functions at once.

Ex) You can make a call while using a mobile internet.

	1) Press the **[Multi-Access]** button in standby screen or while using other function. • Functions from widget mode will appear on the background and other functions will appear on the bottom part of the screen. • On the top right side of the screen, you can check the number or functions in use. 2) Select the function you wish to use. • Touch [<], [>] on the bottom part of the screen to see more functions. 3) Use the selected function.
	Functions available for Multi-Access Widget mode functions (NATE, Web surfing, e-mil, calendar, memo), send message, message box, Phonebook, june video, june contents box, ⓜPlayon, Dial, Call history, Download ringtones, Download wallpaper, NATE search, Mobile messenger, Real time TV, i's box, tossi, MelOn, Mobile cyworld, Dictionary, Calculator, Alarm, Subway map, M service center, OPENNET, My portal, Setting.

Text Entry

Before entering text

• When entering a text, touch to change the text mode.

• Touch to delete the last letter or touch and hold to delete the whole sentences.

• When entering a text, touch to add space.

• When entering a text, touch the field or use the **[Volume]** button to move the cursor.

Entering Korean

Entering consonants

• To enter the first consonant on the button, touch once to enter the basic consonant and touch the button twice to enter the double consonant.

• To enter the second consonant, enter the first consonant then touch .

Example			
ㅈ	Touch once	ㅊ	Touch , then .
ㅉ	Touch twice	ㅋ	Touch , then .

<u>Entering vowel</u>

• You can enter and initial consonant, medial vowel and the final consonant. If the final consonant does not meet Korean orthography, your phone will automatically enter the next character.

- Initial consonant: 'ㅎ' is initial consonant in '홍'.

- Medial vowel: 'ㅗ' is medial vowel in '홍'.

- Final consonant: 'ㅇ' is final consonant in '홍'.

• To enter a second vowel on the button, touch the button twice. (For ㅏㅓ, 'ㅓ' is a second vowel.)

• To enter a diphthong, touch the buttons in order of strokes, or enter the basic vowel and touch 획 .

• Touch 획 again to change to basic vowel from diphthong.

Example			
ㅏ	Touch ㅏㅓ once	ㅑ	Touch ㅏㅓ , then 획
ㅓ	Touch ㅏㅓ twice	ㅕ	Touch ㅏㅓ , then 획
ㅐ	Touch ㅏㅓ , then ㅣㅡ	ㅚ	Touch ㅣㅡ three time or touch ㅣㅡ , then 획

<u>Entering English</u>

• Touch the button once, twice or three times in order to enter first, second or third alphabet on the button.

Example	
L	Touch JKL three times
O	Touch MNO three times
V	Touch TUV three times
E	Touch DEF twice

Entering numbers

• Touch the number button directly from the numeric pad.

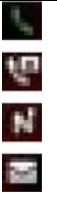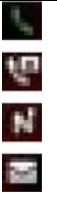• From other text entry mode, touch and hold the button to enter the number.

↘**Text Entry (Cont'd)**

	Using menu while entering text
	Touch ⌨ from text entry keypad

Picture Emoticon	You can add picture emoticon.
Text Emoticon	You can select and enter general symbols.
Add Number	You can enter the phone number from phonebook.
Common Express	You can add often used phrase.

Phone

Dial Screen

	• Press [Phone] from the standby screen and make phone calls. • When the slide is open, you can just press numbers on the keypad to make a phone call.

(1)	Phone number entering field
(2)	Easy calling function
(3)	Make a voice call/Call most recent voice calling number Make a video call/Call most recent video calling number Connect to WINC or mobile cyworld Send message to the number
(4)	Keypad: Enter number – Keypad will only appear when the slide is closed.
(5)	View menu and check options Save the entered number to your phonebook Search the entered phone number Delete the entered number

Video Call

You can make a video call. (Only if the receiver's phone supports the video call service)

	Before making a video call
	• Call quality can be different depends on a base station.
	• Check if the receiver's phone supports video call service. If the receiver's phone does not support the video call service, call may be change to a voice call.
	• Use the stereo earphone if you can't hear the receiver's voice because of the noises.
	• Depends on the usage preferences, battery consumption increases.
	Making a video call
	**Enter a phone number ▶ **
	• When the phone is connected, set the front camera, and then speak through the speaker phone.
	• Use the stereo earphone if you can't hear the receiver's voice because of the noises.
	• If you press and hold you can directly call the most recently called number.
	• Video call will connect only if the receiver's phone supports the video call service.
	• Press when you end a call.

Receiving a video call	**Menu in Video Call**
Open folder, press ▭ **or** 📷	**Button descriptions during a video call**
• If you press and hold the volume button down when receiving a call, bell/vibrate switches.	• Press [Left] to check the functions you can use during a video call.
• After connecting with the caller, you can set the front camera and speaks through a speaker phone.	• Press [OK] to send selected picture/image to the receiver.
• Use the stereo earphone if you can't hear the caller's voice well because of the noises.	• You can express your emotion with an image by pressing [Right].
• Press ▭ to end a call.	• When the headphone or stereo earphone is connected, you can still talk on the phone while the flip is closed.

63p

In-call functions	
Speakerphone On/Off	Set speakerphone on/off.
Mute/Unmute	Mute or unmute the sound to be sent to the receiver.
Video Chatting	• Live chatting service. • In Video chatting press [Left] to use Video Call mode, Speaker Speakerphone On/Off, Mute/Unmute, Record/Capture, Hide Me, Phonebook. **※ Video chatting messages will be saved on Video Chatting Box.**
Record/Capture	You can record/capture the receiver or record/capture myself and save in the phone.
Screen	You can change the screen mode to Main (Me), Main (Him), Only (Him).
Substitute Image	Select and set the substitute image from photo/movie album and flashcon.
Camera Settings	Switch the camera between the internal/external camera and use zoom, bright, contrast, effects, and rotate functions.
New Message	Send SMS (Short message).
Send flashcon	Send flashcon (moving emoticon).
Phonebook	Search and manage the phone numbers saved in the phone.
Change to Voice Call	Switch to a voice call.

↘**Video Call (Cont'd)**

↘**Menu in Video Call (Cont'd)**

Video chatting	Record/Capture
Press [Left] during a call ▶ Select Video Chatting	**Press [Left] during a call ▶ Select Record/Capture**
• You can chat while seeing receiver on the screen.	• You can record or capture receiver/yourself displayed on the screen.
• You can write maximum Korean 40 letters, and English 80 letters.	• When recording the video call, press [Right] to cancel or press [OK] to save it into Movie Album.
• In-video chatting, you can press [Left] to use Video Call mode, Speaker Speakerphone On/Off, Mute/Unmute, Record/Capture, Hide Me, Phonebook.	• You can find captured photo in Photo Album. • You cannot use the capture photo of the receiver as a substitute image.

Voice Call

|	
	Before making a voice call • Press ▭ in the standby screen to call the most recent number you have called. • If your phone is set to 'Phone Lock', you need to enter PIN number before making a phone call. However, you can make an emergency call (111, 112, 113, 119, 125, 127) without entering a PIN. **Making a voice call** Making a call by entering a phone number ▶ **Enter number** ▶ • When you enter a number, easy calling function runs to find the matching number from the recent call list. You can touch [▼] to select the number from the and press to make a call. ***easy calling: Easy calling service finds the matching recent call number when entering the phone number.**

↘Voice Call (Cont'd)

Making a call from the phonebook ▶ **[Search]** ▶ **Select number** ▶ • You can search the numbers in the phonebook to make a call. • If you press after selecting a number, the 'Primary #' of the contact will be dialed. **Making a call using speed dial** **Press and hold the last digit of the speed dial number** • You can easily make a call with the speed dial number stored in the phonebook.	**Making a call using electronic dialing** ▶ **Enter a number** ▶ **[Menu]** ▶ **Enter 'P' or 'T'** ▶ • You can have the phone to memorize several numbers according to the voice announcement when you use ARS.

Making a call from the phonebook / speed dial example

Example	
Speed dial number 17	Touch [1], then touch and hold [7]
Speed dial number 173	Touch [1] and [7], then touch and hold [3]

Electronic dialing example

Example	
P (Manual)	The numbers entered after 'P' is transmitted only when you press [Hold].
T (Automatic)	The numbers entered after 'T' is transmitted automatically.

Menu after entering a number

After entering a number you can select menu to check number of options.

[Phone] ▶ Enter a phone number ▶ [Menu]

	New Message	Send a message.
	Save Number	Save the number
	ⓜMessenger	Real-time messenger service.
	Send/Connect	e-mail: Send e-mail to the entered number.
		Call-me-free: The receiver pays the call charge instead of the caller.
		Video Message Call: Send a video message to the entered number.
		Voice Message Call: Send a voice message to the entered number. (The receiver will be notified by the text message.)
	P (Manual)	Select when you with to use electronic dialing.
	T (Automatic)	

↘Voice Call (Cont'd)

<table>
<tr>
<td></td>
<td>

Answering a voice call

When the call is incoming, open the slide or touch ▭

• When the phone rings/vibrates, you can press and hold the volume button down to set the ring or vibration to silent.

• You can reject a call by pressing ▭.

• If you have subscribed to 'Call display', caller's number will be displayed on the screen.

• You can set the answering option in **Menu ▶ Setting ▶ Call Setting**

Answering the call with a stereo earphone

Press the stereo earphone key to receive a call

• After the call is finished, press ▭ or press the stereo earphone key to hang up the call.

• When the call is incoming while stereo earphone is connected, ringtone will sound through stereo earphone even when the phone is set to

vibrate. Once a call is connected, you can still talk with the slide closed.

</td>
</tr>
<tr>
<td></td>
<td>

Note

• You can download graphics from NATE and change the incoming call display in **Menu ▶ Display ▶ Main Display.**

• Depending on the size of the downloaded graphic, it may take some time to load the graphic.

</td>
</tr>
</table>

Menu in Voice Call

You can use various functions during a voice call.

Press the [Hold] button and touch the function

	• When the call is connected, your touch screen will be locked automatically. You can press the **[Hold]** button and then use the functions.
	• Unlocked touchscreen will be locked automatically if there is no action for 4 seconds.
	• You can return to menu by pressing ⬅ or ▭ in message screen or dial pad during a call.
	You can write a new message or check received message.
	You can access dial pad to make a new call or use other functions.
	You can search numbers from your phonebook.
	• You can mute your voice over the phone during a call. • You can disable the function by touching the button • Function will be disabled automatically when the call ends.
	Turn on the speaker to use the speakerphone.
	Quiet function will filter surround noise.

Missed Call

If you fail to receive a call, following image is displayed on the screen.

• If you press [Missed Calls] when 'Missed Call' message box is displayed, you can check the list of incoming calls.

• If you press ⬜ from the missed calls screen, you can directly connect the missed call number.

T Service

Roaming

You can use your own phone abroad without subscribing for any service.

	Select System **Menu ▶ [T Service] ▶ Roaming ▶ OK** 1) Touch the 'Select System' button. 2) Enter 4 digit password. • Default password is '0000' 3) Select the system.
	Automatic: You can check if mobile phone services are available for such place and it automatically connects to the available service system. **Manual:** You can select after searching the available roaming services. (If you have selected unavailable roaming service system, you cannot make a call. Select other service or change to place a call.)
	Caution • If you wish to change the setting for the global roaming service, please contact the Customer Center. Changing the settings at your own discretion may disable the phone. • Select the other wireless service provider from the system when a call does not function properly. *** For international call, press and hold [0] button to insert international telephone code (+).**

	Roaming auto dial
	Menu ▶ [T Service] ▶ Roaming ▶ OK 1) Drag and set 'Roaming Auto Dial' switch on/off to activate/deactivate the function.
	Note **What is Roaming Auto Dial?** • This function will allow you to make call to domestic number from outside of the country without international access number or national code. - You can make a call using the number directly from the phonebook or call history. • Roaming auto dial icon will be on the display when the function is on.

M Service Center

You can contact SKT mobile service center to receive various customer support services.

	Menu ▶ [T Service] ▶ M Service Center • You can enter **114 on the dial and touch [N] to connect NATE directly. • You can query bill, view information on supplementary services, service rate and membership, and use the real time service. • You can select ☎ 전화번호안내 > on the top right side of the M Service Center screen to check area information, location and phone number.

T Service

You can subscribe, cancel subscription or use various services from SK Telecom.

<table>
<tr><td></td><td colspan="2">Menu ▶ [T Service] ▶ T Service</td></tr>
<tr><td></td><td>Menu Description</td><td></td></tr>
<tr><td></td><td>Register Service</td><td>You can connect M Service Center to register/cancel wanted service.</td></tr>
<tr><td></td><td>Cancel Service</td><td></td></tr>
<tr><td></td><td>Sorisam</td><td>You can retrieve the voice messages which were received when you could not answer the calls.</td></tr>
<tr><td></td><td>Video Message Box</td><td>If Video call is missed, you will be notified and receive a saved video message left by the caller.</td></tr>
<tr><td></td><td>Auto Connection</td><td>You can retrieve the voice messages which were received when you could not answer the calls.</td></tr>
<tr><td></td><td>Call Forwarding</td><td>The incoming call is automatically connected to the registered number.</td></tr>
<tr><td></td><td>Traffic News</td><td>You can receive traffic information on expressways, highways, railroads, air traffic and Seoul local traffic.</td></tr>
<tr><td></td><td>Password Calls</td><td>You can set the password to prevent others from using your phone.</td></tr>
<tr><td></td><td>Number Plus</td><td>You can receive a separate receive-only number other than the SKT number.</td></tr>
<tr><td></td><td>Edit T Service</td><td>If T service number is changed, you can change the access number.</td></tr>
<tr><td></td><td colspan="2"><u>Note</u>

• Depending on the type of T service, you need to subscribe to service from SKT in order to receive service.

For more information, contact SKT customer center or visit ww.tworld.co.kr</td></tr>
</table>

NATE

You can access NATE to search information or download various content such as games and ringtones.

	Favorite
	• You can touch [NATE] in the standby screen to move to 'Favorite' screen directly.
	• You can input a keyword and touch [GO] to access mobile internet site related to the entered keyword.
	• You can select the desired item and touch [Menu] to check the available options
	Menu description	
	Move	You can change the order of the favorite items.
	View Icon/List	View the items in icon/list type.
	Delete All	Delete all the items in the favorite folder.
	Shortcut Cursor	You can set the site to be appear on the main screen when you connect to NATE.
	Note
	• Data call rate and information service fee are charged when you use NATE. Visit M Service Center or contact SKT customer center.
	• If you download content from wireless internet (NATE, june, ⓜPlayon, Game Box, etc.) when you have no sufficient free space in the memory,
	'lack of memory' message displayed.
	You can download the content by executing the memory manager and deleting the content stored in the phone.
	• If the memory is full, you might not be able to use some menu functions on the downloaded content.

NATE	**Buttons used in mobile internet**
Menu ▶ [T Service] ▶ Select favorite tab ▶ [NATE]	You can use following buttons
• You can access NATE to user various services or download contents such as ringtones, video, photo etc.	
NATE	
Menu ▶ [T Service] ▶ Select favorite tab ▶ [OPENNET]	
• You can connect Open Net to check various information.	

Button Descriptions	
	Check the browser menu
	Move to previous page
	Navigate
	- Short touch: Select/Run
	- Long touch: Move to main screen
	Open dial pad
	- Delete
	- Move to previous page

↘**NATE (Cont'd)**

	Program T MAP **Menu ▶ [T Service] ▶ Select program tab ▶ T MAP** • You can check your location, check the map, area information and use navigation by using GPS (Global Positioning System) MelOn **Menu ▶ [T Service] ▶ Select program tab ▶ MelOn** • You can play music contents downloaded from MelOn site or use other services provided by MelOn.

NATE Game	Mobile messenger
Menu ▶ [T Service] ▶ Select program tab ▶ NATE Game	**Menu ▶ [T Service] ▶ Select program tab ▶ Mobile messenger**
• You can play games downloaded from the mobile internet or PC.	• You can search phone number stored in your phone and use real-time chatting messenger.
Websurfing	NATE real-time TV
Menu ▶ [T Service] ▶ Select program tab ▶ Websurfing	**Menu ▶ [T Service] ▶ Select program tab ▶ NATE real-time TV**
• You can use full browsing internet from your phone.	• You can watch real-time TV with your phone.
e-mail	NATE UCC
Menu ▶ [T Service] ▶ Select program tab ▶ e-mail	**Menu ▶ [T Service] ▶ Select program tab ▶ NATE UCC**
• You can send and receive images, pictures or other contents through e-mail.	• You can compose UCC with the photo and the movies stored in your phone and upload in the i's box to share with other users.

↘NATE (Cont'd)

Program (Cont'd)	june Video
tossi	Menu ▶ [T Service] ▶ Select program tab ▶ june video
Menu ▶ [T Service] ▶ Select program tab ▶ tossi	• You can enjoy various types of content including TV, movie, music, game, sports and ringtone, or download them to your phone as multimedia content using the premium service.
• Tossi is essentially a microblogging service that you can send and share your emotions in a simple form.	• You can enjoy various types of content including TV, movie, music, game, sports and ringtone or download them to your phone as multimedia content using the premium service.
• A call rate and an additional information service fee are charged. For more information and rate guide, visit tossi website (http://www.tossi.com).	• june service screen and contents may change without prior notice.
june Contents Box	• Default june contents in your phone cannot be restored once it is deleted by user.
Menu ▶ [T Service] ▶ Select program tab ▶ june contents box	• You can check the downloaded contents from june contents box and you can save any contents regardless of their type within available memory space.
• You can manage, save, and play downloaded music contents or MP3 files.	• You can resume downloading unfinished june contents from june contents box.
	• You can receive calls while using june player and when the call ends, you can resume where you left off.
	• TSM (Memory manager)is a program which notifies you when your phone's memory space is full.
	• TSM will notify you if there are insufficient memory space when you try to download contents from wireless internet (such as NATE, june, ⓜ Playon, Game Box etc.). You may delete existing contents before downloading new contents. (Protected june contents, livebell, livescreen can not be deleted.)
	• Downloading content will be charged separately.

MelOn

With the wired/wireless integrated service provided by Melon, you can search content, streams or downloads MP3 music content.

Menu ▶ [T Service] ▶ MelOn

• You can save, manage and play the music content downloaded from june or Melon.

• When the MelOn player is in use, icon will appear.

• You can download the music content as long as the memory capacity allows.

• You can receive a call while playing the music content. The phone returns to the music play mode after the call.

• If you press button, you can check or write messages.

• You can control volume with the **[Volume]** button as the content is being played. The phone continues playing music even if you close the slide while the phone is playing music content.

• Once you purchase content, you can download it with no extra charge for 1 year from

My page > List of purchased content, or from Melon (www.melon.com).

■ While the slide is closed press the MP3 button to play music. (Most recently play file will be played automatically.)

Note

• About Library and MelOn see Menu>Help

• If you download content from wireless internet (NATE, June, ⓜPlayon, GXG, Melon, etc.) when you have no sufficient free space in the memory, the lack of memory message displayed. You can download the content by executing the memory manager and deleting the content stored in the phone.

• **A content service fee and a data service fee are charged if you use Melon service. See the rate system guide or contact SKT Customer center for further information.**

↘NATE (Cont'd)

Melon Player Menu

Menu description	
1	**Write and view message**
2	**Repeat Play Mode** Repeat current file. Repeat the whole playlist. Play the whole playlist once. Active : Random play. Inactive : Play the file on your playlist in order.
3	**Music information**
4	**Content play time bar**
5	**Control button** <table><tr><td>Adjust volume</td><td>Pause</td></tr><tr><td>(Long Touch) Rewind (Short Touch) Previous File</td><td>(Long Touch) Fast Forward (Short Touch) Next File</td></tr></table>
6	**Move to previous screen**
7	**Check the playlist**

		8	Check menu
Note			
When the flip is closed press and hold the **[▷|] b**utton to			
end Melon.			

T MAP

Menu ▶ [T Service] ▶ T MAP

• With the satellite-based GPS function, you can use various navigations services including traffic information, location and route guide, and other driver convenience services. • You can touch **[NATE] ▶ T MAP** to access from the shortcut menu. • Map will be available when you are using T MAP service. • The phone may fail to detect the accurate location in the underground or tunnel where GPS signal is blocked. • If the vehicle vibrates severely, there can be a vibration on the screen.	• Your phone will initialize route and other information, before navigation begins, • It is dangerous to use the phone while driving a car. Make sure to check the navigation information before driving a car. • If the information from T MAP service is different from that on the road, make sure to follow the traffic regulations and actual road situation. • **A service fee is charged when you use the T MAP service. Contact the service provider or visit T MAP website (http://tmap.tworld.co.kr) for service and other further information.**

↘T MAP (Cont'd)

T MAP Menu	
Find route	The phone searches the routes to the destination.
Recent route	The phone shows the recently used routes.
Safe driving	The phone provides supplementary information for safe driving.
Find friend	The phone shows the current location of a friend or family member.
T MAP life	The phone provides real time traffic information on highway/national road/metropolitan area.
Traffic information	You can receive real time information on the traffic status of expressways/national roads/metropolitan area.
Safety	The phone provides the location of users for safety.
Travel &	The phone provides variety of information on travel and navigation service.

PAN Manager

With the Bluetooth technology, you can use conventional Bluetooth functions and zone service, link games and other services provided by SKT.,

Menu ▶ [T Service] ▶ PAN Manager		
Menu description		
	Connect device	New: Search and connect the Bluetooth devices in surrounding area. Registered device list: You can manage or connect to a registered device.
	PAN service	You can download and play PAN contents.
	Zone service	You can check the Zone service.
	Setting	You can change Bluetooth mode, general setting, PAN setting and My Bluetooth information.
	Connect/Disconnect audio device	You can connect/disconnect the registered device.
	Bluetooth mode	You can check your phone's Bluetooth status.
* For more information, refer to Setting ▶ Help.		

Sound

Ringtone Style

You can set a ringtone for incoming calls.

Menu ▶ [Sound] ▶ Ringtone Style

• To select a ringtone, touch 'Ringtone Style' and then select a ringtone from the list (Motorola/Livebell/My Bell).

• You can set the volume by dragging the gage bar left or right.

• Turn On/Off the vibration using 'Vibrate' switch.

• You can select type of vibration from the vibration list.

• You can set the phone to vibrate and ring together or you can set the phone to vibrate the ring.

Note

• In addition to the default ringtones stored in your phone, you can download various ringtones from the melody downloading service of your service provider.

Download Ringtone

You can download ringtones from NATE.

Menu ▶ [Sound] ▶ Download Ringtone

• Depending on the type of the downloaded ringtone, it will be saved under 'My ringtone' or 'Livebell'.

• You can also find the downloaded ringtones in the 'Ringtone Box' menu of 'Contents'.(Ringtone Box, see p.88)

• You can disable the etiquette mode by press and hold the in NATE (except My Etiquette Mode.)

Downloading ringtones from 700 service

Enter 700 service number ▶

• Select a ringtone according to the voice service.

Open the message received from 700 service, and press to download the ringtone.

■ Calling fees and a data service fee are charged if you use 700 service.

Sound Effect

You can set different sound effects.

Menu ▶ [Sound] ▶ Sound Effect

	Menu description	
	Touch Tone	Set the tone that sounds when touching the screen.
	Missed Call Alert	Set the tone for missed call alert.
	Reminder Alert	Set the tone for the schedule reminder
	Power On&Off/Slide	Set the tone for power on/off and slide open/close.
	Slide	Set the slide effect on/off
	Effect Volumes	Adjust the sound effect volume.

Etiquette Mode

You can set the alert style in etiquette mode.

Menu ▶ [Sound] ▶ Etiquette Mode

• You can set the alert style in etiquette mode to either 'Only Vibrate' or 'No Sound&Vibrate'.

• When you select 'Only Vibrate' in etiquette mode, icon will be displayed and if you select 'No Sound&Vibrate' icon will be displayed.

• You can activate/deactivate etiquette mode by press and hold the button.

Note

You can still hear ring through the stereo earphone if it is connected to the phone.

Keytone Style

You can set the sound that you hear each time you press the keypad.

Menu ▶ [Sound] ▶ Keytone Style

• You can set the tone that sounds when you press keypad or number on the dialpad.

• You can adjust the Keytone volume by dragging the gage left and right.

Display

Etiquette Mode

You can set the alert style in etiquette mode.

Menu ▶ [Display] ▶ Main Display	
Menu description	
Background Mode	Set the background mode from Normal mode, Widget mode, Background widget mode.
Wallpapaer	Select and set the graphic for the main screen.
Clock/Calendar	Set the date, clock and calendar on the main screen.
Greeting Banner	Write a greeting message and have it displayed on the standby screen.
Network Indicator	Set to display network currently in use.
Incoming Call	Set the graphic to be displayed when the call is incoming.
Outgoing Call	Set the graphic to be displayed when making a outgoing call.
Power On	Set the graphic to be displayed when the power turns on.
Power Off	Set the graphic to be displayed when the power turns off.
NATE	Set the graphic to be displayed when connecting NATE.
Main Menu Background	Set the background image for Main menu.
<u>**Note**</u>	

• You can select the main display from 'Default', 'Downloads', 'Photo Box' or 'Livescreen'.   • You can manage livescreen in **Menu ▶ [Contents] ▶ Wallpaper Box**.

Setting the photo from photo album as wallpaper 1) Select the photo you wish to set as a Wallpaper (Wallpaper, Clock/Calendar, Greeting Banner, Incoming Call, Outgoing Call, Power On, Power Off and NATE). 2) Select 'Default▼' and select 'Photo Box'. 3) Touch [Capture] to take photo or select one of the photos from the photo album. 4) You can set the zoomed in photo by using zoom mode. (Zoom mode, See p.33) 5) You can press button to save wallpaper.	**Download Wallpaper** You can download wallpaper from NATE. **Menu ▶ [Display] ▶ Main Display** • You can download graphics from NATE. • Downloaded graphics will be saved on 'Wallpaper Box' of 'Contents'.
	Note • You can download the graphic from NATE within allowable memory space. • It may take some time to load the graphic depending on its size.

Font Type/Size	Backlight Control
You can set the alert style in etiquette mode. **Menu ▶ [Display] ▶ Font Type/Size** • Touch Font Type button, then select the font you wish to use. • You can enlarge the font size using 'Enlarge Font Size' switch.	You can set the alert style in etiquette mode. **Menu ▶ [Display] ▶ Font Type/Size** • You can set the backlight duration. • Drag 'Screen Bright' gage bar left or right to adjust the screen brightness. • If you set the 'Backlight in Call' switch on, backlight will stay dim during phone call and when the switch is off, backlight will turn off in 5 seconds. • If you set the 'Backlight in Call' switch off you can use the battery longer. • If you do not use the phone within the pre-set backlight duration after opening the slide, your phone will turn on the screen saver before turning off the backlight.

Visual Expression

Menu ▶ [Display] ▶ Font Type/Size

• Image call is a service that when you make a voice/video call, predefined image set by the receiver

displays on your phone.

• Lettering plus is a service when you make a voice call, you can display the predefined name or

nickname on the receiver's phone.

Menu description	
Contents	You can edit contents such as photo and video.
My Setting	You can customize the image call or lettering plus.
Preferences	You can change the preferences of the image call or lettering plus.
Information	You can check the information of the image call or lettering plus.

<u>Note</u>

Conditions which image call/lettering plus is not available

• If the phone is using media player such as video.

• When SKT MMS is active.

• When the camera is active.

• When the phone is using voice/video call. (When voice/video call is on hold.)

• When the unable to run image call/lettering plus due to insufficient memory or low battery.

• If the user have set the ringtone with "livebell plus" (Video ringtone).

Contents

Ringtone Box

You can check the default ringtones and the downloaded ringtones from the NATE.

Menu ▶ [Contents] ▶ Ringtone Box

• Touch 'Live Bell▼' to choose ringtone from 'Live Bell' or 'My Bell'.

• Touch [Download Ringtone] to download ringtones from NATE.

• You can manage live bell in **Menu ▶ Contents ▶ Live Box.**

Wallpaper Box

You can check the downloaded Wallpaper from NATE.

Menu ▶ [Contents] ▶ Wallpaper Box

• Touch 'Downloads ▼' to choose wallpaper from 'Downloads' or 'Livescreen'.

• Touch [Download Wallpaper] button to download wallpapers from NATE.

• You can manage live bell in **Menu ▶ Contents ▶ Live Box.**

Font Box

You can store fonts downloaded from NATE or Motorola website.

Menu ▶ [Contents] ▶ Font Box

• Touch 'Font Mate▼' to choose font from 'Font Mate' or 'Downloaded Font'.

> **Font Mate:** Downloaded font from NATE
>
> **Downloaded Font:** Font provided and downloaded from the Motorola website.

• Touch [Download Font] button to download font from NATE. (maximum 5 downloaded fonts can be saved)

Attachment Box

You can store contents which will be attached to MMS.

Menu ▶ [Contents] ▶ Attachment Box

• You can check photos, pictures, music, and video content in the attachment file box, or download new content from NATE content shop.

Video Chatting Box	Flashcon Contents Box
In Video call, you can use video chatting function and save the real time chatting message.	You can use moving emoticon in messenger and video call.
Menu ▶ [Contents] ▶ Video Chatting Box	**Menu ▶ [Contents] ▶ Flashcon Contents Box**
• You can delete, protect or lock the selected item.	• Touch [Connect] download flashcon contents from NATE. • Touch [▶] to preview the flashcon and use options such as set display, file info and delete.

ⓜPlayon

You can use the downloaded contents without connecting NATE.

	Menu ▶ [Contents] ▶ ⓜPlayon • If the phone is set to mute in preferences of ⓜPlayon, the phone makes no sound when you move between the ⓜPlayon folder menu. • If your phone has insufficient memory, delete existing contents before trying to download new contents. • You can answer a call while you use the content, and return to the content after the call. **Menu description** <table><tr><td>**NATE home**</td><td>Move to NATE menu</td></tr><tr><td>**ⓜPlayon**</td><td>Access ⓜPlayon service</td></tr><tr><td>**Phone theme**</td><td>Wallpapers are stored in the folder.</td></tr><tr><td>**Mobile Cyworld**</td><td>Connect to the mobile Cyworld.</td></tr><tr><td>**I's box**</td><td>Compose, upload and manage UCC.</td></tr><tr><td>**DEVTOOL**</td><td>Access DEVTOOL page</td></tr><tr><td>**T MAP navigation**</td><td>Access T MAP navigation service.</td></tr><tr><td>**Navigation for pedestrian**</td><td>Access NATE navigation service for pedestrian.</td></tr></table>

↘ⓜPlayon (Cont'd)

<u>Using ⓜPlayon menu</u>

Menu description	
Manage	You can modify (rename) the selected content, move the content, move the folder, and check the information.
Delete	You can delete the selected content.
Add folder	You can create a folder to manage the content.
Delete all	You can delete all the downloaded content.
Preferences	(If you select Delete all, all the content in Game Box content are also deleted.)

<u>**Note**</u>

• If you download contents from ⓜPlayon, there will be extra service and data information charges will apply.

• If you have downloaded ⓜPlayon content when your phone has insufficient memory, TSM (memory manager) will let you download the content after deleting the stored contents in the phone (you cannot delete protected june contents, live bell, and live screen contents).

• If your memory is full, you can not use some of the functions related contents download.

June Contents Box

You can save, manage and play the music content downloaded or received through internet.

Menu ▶ [Contents] ▶ june Contents Box
• You can select the content you want to play by touching [Play].
• You can download the music content as long as the memory capacity allows.
• You cannot play the content which is not completely downloaded. You can resume downloading by touching [Menu].
• You can receive a call while playing the music content. The phone returns to the music play mode after the call.
• You can control volume with **[volume]** button as the content is being played. The phone continues playing music even if you close the slide.
• You can select from 'Recently played list' or 'List all'.
• You can change the settings for the music content stored in the june contents box with NATE player preferences menu. (june setting, see p.88)
<u>**Note**</u>
• If you download content from wireless internet (NATE, june, ⓜPlayon, Game Box, etc.)when you have no sufficient free space in the memory, the 'lack of memory' message is displayed. You can download the content by executing the memory manager and deleting the content stored in the phone.

↘ⓜPlayon (Cont'd)

(1)Using NATE Player

Screen description	
1	Player screen
2	File information
3	Content play time bar
4	Set repeat
5	Set the Repeat section Set the starting point Set the ending point Play the repeat section
6	(Long Touch) Fast Forward (Short Touch) Next File
7	june contents box
8	Pause/Play
9	(Long Touch) Rewind (Short Touch) Previous File

10	Adjust volume

105p

Menu description		(2) Horizontal screen	
Play Mode			
		Menu description	
Repeat Continuously : Repeat the playlist in order		1	(Long Touch) Rewind (Short Touch) Previous File
Repeat Randomly : Repeat the playlist randomly		2	Pause/Play
Play Once : Play the playlist once in order		3	(Long Touch) Fast Forward (Short Touch) Next File
Repeat Random Once : Play the list once randomly.		4	View Vertical Screen
		5	View Full Screen
		6	Adjust volume

Game Contents Box

You can manage and play the games save in your phone.

Menu ▶ [Contents] ▶ Game Contents Box

Flash Game	Play flash games saved in your phone.
ⓜPlayon	You can play games downloaded from ⓜPlayon.
Game Box	You can play games downloaded from Game Box.

PAN Contents Box

You can manage PAN Contents

Menu ▶ [Contents] ▶ PAN Contents Box

• You can check and manage contents received from PAN Manager.

Live Box

You can manage live bell or live screen content downloaded from NATE.

Menu ▶ [Contents] ▶ Live Box

• Touch [Menu] to set live bell/livescreen, delete, manage or delete all.

• Touch [Play] to play the selected contents.

Memory Manager

You can check the total memory, used and available memory of your phone.

Menu ▶ [Contents] ▶ Memory Manager

• If external memory is being used, touch 'Int. Memory▼' to select 'Int. Memory' or 'Ext. Memory'.

• If you touch each category, you can move to where contents are stored (except june, map and ETC)

Multimedia

T-DMB

You can watch real-time TV and listen to the radio. Also recording and storing it is available with the phone.

T-DMB menu

Menu ▶ ▶ **T-DMB**

		Video channel	You can watch variety of video channels such as education, movie, entertainment, news.
		Audio channel	You can use variety of music and audio channels.
		Premium channel	You can watch the premium channels when subscribed to extra services. (Extra charges apply) [For further information on premium subscription, contact TU media Customer Center (1544-7114)]
• DMB will be available in landscape proportion. • You will be able to watch DMB and control buttons with the clear flip closed.		**Contents**	You can check the captured, recorded files made while watching DMB.
		TU inbox	You can check the notice or other messages received.
		Settings	You can change different settings.

TV	Radio
Menu ▶ ▶ T-DMB ▶ TV	Menu ▶ ▶ T-DMB ▶ Radio
• You can check the current broadcasting video channel information or select the channel to watch it. • Press button to check the future programs or se button set program starting alert.	• You can check the current broadcasting audio channel information or select the channel to listen. • Press button to check the future programs or set program starting alert.

↘ T-DMB (Cont'd)

Contents	Settings
Menu ▶ [icon] ▶ T-DMB ▶ [icon]	Menu ▶ [icon] ▶ T-DMB ▶ [icon]
· You can check the captured screen or recorded audio or video program.	• You can set the settings related to T-DMB. **Menu description** **SRS WOW** — You can set the surround sound. **Brightness** — You can set the brightness of screen. **Search channel** — You can check searching area when searching channel.

T-DMB screen

Button description	
⬜🔲🔲	Adjust volume
🔲	Press : Set favorite channel or move to favorite channel Press and hold : Move to menu
🔲	Press: Capture current channel Press and hold: Record current channel

Note

• When watching DMB, glide your finger up and down to switch the channel.

Menu description	
1	Move to previous/next channel
2	Check tu information by connecting to NATE
3	Adjust volume
4	Move to previous channel
5	Check broadcast information Watch the selected video channel Listen to the selected audio channel Check next program Set program start alert Wireless internet available broadcast Recording available broadcast
6	Move to the channel you want by entering the number
7	Write a message during watching/listening

Organizer

Morning call/Alarm

The phone provides bell or vibrates at the designated time.

		Easy Alarm Menu ▶ ▶ **Morning call/Alarm** ▶ **[Add Easy alarm]** 1) Select the time you want • '5 minutes later' is set as default value. • You can set time by 1~999 minutes. 2) Press to save Easy Alarm • Based on current time, after the set time later, the alarm rings once. After ringing, alarm will be released.

<table>
<tr>
<td></td>
<td></td>
<td colspan="2">

Alarm

Menu ▶ ▶ **Morning call/Alarm ▶ [Add Alarm]**

Menu description
Time • You can set the time when the alarm to be activated. **Day** • You can set the day or multiple days. **Snooze** • You can snooze on/off. If Snooze is on, alarm will repeat until you press button. **Ringtone** • You can set the ringtone that will ring when the time reaches. **Ringtone in Etiquette Mode** • You can set the ring on/off when the phone is set in etiquette mode. **Name** • You can enter the name of the ringtone.

</td>
<td></td>
</tr>
</table>

View Calendar/Schedule

When the pre-set time reaches, your phone will ring or vibrate to alert you.

View Calendar	**View monthly list**
Menu ▶ ▶ Calendar/Schedule ▶ View Calendar ▼	Menu ▶ ▶ Calendar/Schedule ▶ View Calendar ▼
· Touch , , to see the previous/next month. • You can move to specific year/month by touching year/month (2008.11). · Touch specific day to see the daily schedule. · Touch to add new schedule. · Touch to check today's schedule.	• You can check the schedule list of previous/next month by touching ' , . • You can check detailed schedule by selecting the schedule. • You can create new schedule by touching . • You can move to today by touching .

View Schedule	Create New Schedule
Menu ▶ [icon] ▶ Calendar/Schedule ▶ View Schedule ▼	Menu ▶ [icon] ▶ Calendar/Schedule ▶ New Schedule
· Touch ' [icon], [icon], to see the previous/next day. · Touch specific schedule to check detail information. · Touch [icon] to add new schedule. · When you are checking other schedules, you can touch [icon] anytime to check today's schedule.	• When the schedule is set by the user, your phone will ring or vibrate to alert you and the schedule information will appear on the screen.

↘View Calendar/Schedule(Cont'd)

Create New Schedule(Cont'd)

Menu description

Schedule

· You can enter the name of the schedule.

Date

· You can set the date of the schedule.

Time

· You can set the time of the schedule.

Location

· You can set the place of the schedule.

Period

· You can repeat the schedule everyday, daily, monthly and

yearly.

Occurs

· You can repeat schedule daily, monthly, annually and set the end day for repeat. You

can set the end date from the calendar and use Setting switch to turn On/Off the repeat

option.

Memo

· You can add a memo of the schedule.

Memo

You can store up to 50 memos in the phone.

Menu ▶ **▶ Memo**

· Touch to add a new memo.

· Your memo can be maximum 96 letters long in Korean and maximum 192 letters long in

English.

· You can touch the label on the left of the memo to categorize them.

· Touch the button to save the memo button memo.

Calculator

You can make simple calculation with the phone.

Menu ▶ ▶ **Calculator**

· Touch to delete a number you have entered.

· You can use the operators several times in a calculation.

Unit Converter

You can convert various units easily.

Menu ▶ ▶ **Unit Converter**

1) Touch [Length▼] to select the unit you want.

• You can select among length, width, weight and temperature.

2) Enter the unit value by touching input window.

3) Touch [Select input unit] and select unit.

• After selecting unit, various converted units will be displayed.

World Time

You can check a current time of world main cities (50 countries) and city information, and set various functions.

Menu ▶ ▶ World Time

· Touch to add the city and display the time.

Only 4 city time can be displayed delete first to add a new city time.

· You may select the city from the list or map.

· You can set up to 4 different cities.

· You can touch any of the cities on the screen to delete it from the list or set the start and end date for DST (Daylight saving time).

· It may take some time to save and update world time if there are more than 1/2 of the world time already set.

Message

Message Box

You can view and manage the messages saved in your phone.

Menu ▶ ▶ **Message Box**

• When you receive the message, icon will be displayed on the standby screen.

- Most recently saved message will be shown on the top of the list.

• You can check 'Inbox', 'Outbox' or 'Saved' messages.

• If you select a message then touch menu, you can use various functions.

• When you check the message, you can touch · , to see the previous or next message on the list.

• When you check the message, you can press (Volume) button to zoom in/out.

Button description

	Check the menu
	Confirm selection
	Move to previous screen

Note

· If the capacity for received message is exceeded, the oldest message deleted first.

· You can change settings from 'MSG Noti'. Settings' or 'MSG Notification' to check the received message in the main screen.

INBOX

Menu ▶ **▶ Message Box ▶ Select INBOX**

		Menu description
		Call : You can call the person who sent the message.
· You can check and manage the received messages. Including voice messages.)		**Reply** : You can reply the message to the sender.
· Select a message and touch to read the message to message.		**Delete** : You can delete the selected message.
· The attached contents will be played automatically.		**Forward** : You can forward the received message to other person.
Icon description		**Reply including content** : You can reply the message to the sender including the content of selected message.
Unconfirmed SMS Message	Confirmed SMS Message	**Save Number** : You can save the phone number indicated in the message in the phonebook.
Unconfirmed MMS Message	Confirmed MMS Message	**Save Message**: You can save the selected message in Saved box.
Unconfirmed Mobile Cyworld Alarm Message	Confirmed Mobile Cyworld Alarm Message	**Save Contents** : If received message contains any multimedia contents, you can save the contents to your phone.
		Save to USIM : If the selected message is SMS, you can save the message in USIM box.
		Add to Spam List : Register a selected message as a spam number to block the message.
		Sort Message : You can sort the message by name/time/size.
		Message Search : You can search the message by entering searching keyword.

				Zoom In/Out : You can view the message zoom in/out.
				Sender Information : You can check the information of the sender.

↘Message Box(Cont'd)

OUTBOX

Menu ▶ [icon] ▶ **Message Box** ▶ **Select OUTBOX**

		Menu description
	· You can check and manage sent, draft or failed messages. · Select a message and touch to check the contents of the message.	**Call:** You can call the person who received the message. **Delete:** You can delete the selected message. **Forward:** You can forward the received message to other person. **Save Number:** You can save the phone number indicated in the message to your phonebook.
Icon description		**Save Message:** You can save the selected message in 'Saved' box. **Save to USIM** : If the selected message is SMS, you can save the message in USIM box.
[icon]	Temporarily saved message	**Delete All:** You can delete all saved message in outbox.
[icon]	Sent SMS message	**Note**
[icon]	Sent MMS message	· If the message is saved temporarily as draft, you can only select either 'Delete' or 'Delete' all'.

SAVED

Menu ▶ [image] ▶ Message Box ▶ Select SAVED

	Menu description
	Call : You can make a call to the sender.
	Reply: You can reply the message to the sender.
	Delete: You can delete the selected message.
· You can check the saved messages from either 'Inbox' or 'Outbox'.	**Forward:** You can forward the received message to other person.
	Save Number: You can save the phone number indicated in the message to your phonebook.
	Save to Outbox: You can send the selected message back to outbox.
	Move to Inbox: You can send the selected message back to inbox.
	Save Contents: If received message contains any multimedia contents, you can save the contents to your phone.
	Delete All: You can delete all saved message in outbox.

| USIM	
Menu ▶ [image] ▶ Message Box ▶ Select SAVED	
	Menu description
	Call : You can make a call to the sender.
	Reply : You can reply the message to the sender.
	Delete : You can delete the selected message.
• You can manage and save the message by selecting a message in the inbox and select the menu 'Save to USIM'. • MMS message can not be moved to USIM box.	**Forward** : You can forward the received message to other person.
	Save Number : You can save the phone number indicated in the message.
	To OUTBOX : Move selected sent message to OUTBOX.
	To INBOX: Move selected received message to INBOX.
	Save Content : You can save the attached photo, video and audio files.
	Delete All: You can delete all the saved message in USIM.

New Message

The integrated MMS function enables you to attach content to the long text message and send to the mobile phone or e-mail address.

| |
|---|
| Menu ▶　　　　▶ **Message Box** ▶ **Select SAVED** |
| · You can touch 　 from the main screen to access directly from directly.

· A message can be sent to up to 20 people at a time.

· You can answer a call while you are writing a message, and return to the message screen after the call.

· You can send up to 3 image files (photo or picture) and 1 music and movie file.

· After writing a message, you can preview the message.

　* MMS is an SKT's new multimedia transmission service integrating the text message function and the color mail function. |
| **Note**

Cautions in writing messages

• Messages are sent as SMS in default. However In the following cases, they will be changed to MMS and additional data service fee will be charged: message exceeding 40 Korean letters/80 English letters, font color changed, emoticon added, avatar added, paper set, content attached (photo, movie, background music, etc.).

• If a message is changed to MMS, a message 'Converted to MMS' will be displayed on the message window.

MMS fee

• The same date service fee will be charged for long text message, changed font color, paper set, avatar set, and emoticon added between MMS and SMS. Additional service fee is charged. No data call fee is charged for sending and receiving MMS. Visit SKT T-World website (http://www.tworld.co.kr) or contact SKT Customer Center for further information. |

↘ New Message(Cont'd)

New Message menu description	New Message description	
Background : You can set the message background for your messages. **Avatar** : The character or the photo of the sender is displayed on the message receiver's phone. **Attach** : You can attach picture, movie clips, images and sound files with the message. **Sender:** You can enter the number of the sender. **Receiver:** You can enter select the receiver from call history or phonebook.	**Save to Draft** **Box**	You can save the message temporarily.
	Preview	You can preview the message you have written.
	Recent **Addresses**	You can choose the receiver from the recent list of inbox and outbox.
	Find Address	You can select receiver from the phonebook.
	Enter E-mail	You can send the message through e-mail.
	Read-replay **Rqst**	You can request for notice when the receiver opens the message. -Additional fee will be charged on the service.
	Send Receiver's **List**	You can add receiver's list in the message.

Selecting Background	Setting Avatar
Menu ▶ ▶ New Message ▶ Background	Menu ▶ ▶ New Message ▶ Avatar
• You can set the background for your messages.	•The character or the photo of the sender is displayed on the message receiver's phone.
Menu description	Menu description
NATE Download: You can download background images from the NATE. **Image Background**: You can select a image stored in the phone and set the image as a background. **Photo Background**: You can select a photo stored in the photo album and set the photo as a background. (Touch to select.) **Color Background**: You can select the background color of the letter paper. (Note that the content might not be identified if the letters are written on the paper of the same color.) **No Background**: You can set the background as a white paper.	**Contents Download**: You can download avatar from the NATE. **Character Avatar**: You can set a character in the photo album as avatar. **Photo Avatar**: You can set the photo in the photo album as an avatar. **No Avatar**: No avatar is displayed on the receiver's phone. **An Avatar?:** You can check the description of avatar.

Mobile Messenger	E-mail
You can use the real time messenger function without registering friends.	Using the phone, you can manage inbox and outbox of the e-mail.
Menu ▶ ▶ **Mobile Messenger**	Menu ▶ ▶ **E-mail**

|			
	• If you touch , you can add an entry by searching name/number or entering number. • If you touch , you can use talk, delete group talk, message box, settings, and help and update functions. • Select talk partner and touch 'Talk' to start talking.		• When you first use, you can register e-mail address in the 'Basic setting' menu. • When writing the e-mail, you can attach the photo. • You can check received contents, images, attachments.
Note • The mobile messenger service will be charged with the fixed service fee per message, and no extra data fee will be charged. -Use Help or visit the messenger website (http://mm.nate.com) for further information.		**Note** • In order to use e-mail service, you have to register and make an e-mail account. Additional service fee will be charged.	

Report Spam/Service

To promote convenience of the user and to prevent damage caused by illegal spam, you can report the received spam messages to the spam handling center of Korea Information

Security Agency.

	Menu ▶ ▶ **Report Spam/Service**
	Spam Messages — You can check received spam messages.
	Report Msg. Spam — You can report spam by selecting the spam message and touch 'Report'.
	Report Voice Spam — You can report spam by selecting the spam number and touch 'Report'.
	Spam Settings — You can block the number or message to set as a spam.
	Help — You can check the guide for spam report.
	Note • Visit the spam handling center of Korea Information Security Agency (www.spamcop.or.kr) for further information.

Attachments Box

You can manage and check attachment of the received MMS.

Menu ▶ ▶ Contents Box	
• If you touch 'Contents Download', you can connect to NATE content shop and download the latest contents. • Touch 'Menu' to use Send MMS, Set Background, Rename, Delete, and Delete All functions.	
Menu description	
Photo	You can view and manage the attachable photos.
Image	You can store and manage the images downloaded from NATE.
Sound	You can view and manage the attachable music and voice files.
Movie	You can view and manage the attachable movie files.
NATE Shop	You can connect to NATE content shop and download the latest contents.

Settings

You can set preferences for the message functions.

Menu ▶ ▶ Settings

MMS Settings	**You can select and set various contents when writing messages.** • **Background Settings**: You can select the background of the message. • **Avatar Settings**: You can send the character or photo with the message. • **Font Color Settings**: You can select the font color. • **Photo Size Settings**: You can set the size of photos transmitted from the phone via wireless Web (Internet). • **MMS mode change** : You can set alarm when switching SMS to MMS message.
Signature Settings	**You can attach the designated sentence at the end of the message.** •**Edit Signature**: You can change font color or enter emoticon by pressing , and change text input mode by pressing . •**Signature Setting**: You can set the designated sentence at the end of the message.
MSG Noti. Setting	**You can set the alarm frequency, ring volume, alarm type, and alarm on calls.**
Msg. Notification	**You can set to display the message on the standby screen when a message is received.**
Sent Msg. Auto Save	**You can set the autosave option for sent messages.**

| Spam Settings | You can block the message from the designated phone number and string.

•**Number Block**: You can check the number and use direct input, add number or delete all by pressing .

•**String Block**: You can check the blocked string and use direct input and delete all by pressing .

•**Spam Setup/Release**: You can setup or release spam block. |
|---|---|
| Phrase Settings | **You can set the frequently used phrase.** |

Phonebook

Search Number

You can search the saved phone number list.

Menu ▶ **▶ Search Number**

· You can check or edit phone numbers.

· You can touch from the main screen from screen for direct access.

· Touch 'View All▼' and you can select from 'View All', 'Group' and 'Speed Dial'

· You cannot delete the default mobile security number.

Search All

Menu ▶ **▶ Search Number ▶ Select 'View all'**

· Touch [Search], and enter the name to be searched.

· Contacts containing the entered letter, will be displayed on the list.

· If you enter the first letter of a name, all the names starting

with same letter will be displayed.

Search from Group

Menu ▶ **▶ Search Number ▶ Select 'Group'**

· All the groups will be listed and you can select the group to search the number.

· If you enter the first sound of a name, all the names starting with the sound are

searched.

· Search will be done within the selected group.

Search Speed Dial

Menu ▶ **▶ Search Number ▶ Select 'Group'**

· You can check the numbers assigned with speed dial.

Search Favorite Number

Menu ▶ **▶ Search Number ▶ Select 'Group'**

• You can search number from the favorite number list saved by the user.

• Touch [Set New contact] to add favorite contact number.

Checking the Number

	· You can select the phone number from the phonebook and view more information.	
	• Touch the number to use voice call, video call, send a message, mobile messenger, connect to cyworld homepage, Block call, Send/Connect and View Call history.	
	Menu description	
	Bluetooth	You can send the selected number to Bluetooth.
	E-mail	You can send the selected number to E-mail.
	Move/Copy	If the selected number is saved in the phone, you can move/copy it to USIM card.
	Edit	You can edit the selected number.
	Delete	You can delete the selected number

Add New Contact

You can add new contact number.

Add New Contact		
Menu ▶ ▶ **Add New Contact**		
		Menu description
		Name: Touch the name entry space to enter the name.
		Mobile/USIM: You can select the directory which the number will be saved**.**
		Group: Select the group for the new contacts.
		Primary: If there are more than one number, set the primary number that represents the contact.
		Number type: Set the type of the number
		<table><tr><td></td><td>Mobile</td></tr><tr><td></td><td>Office</td></tr><tr><td></td><td>Home</td></tr><tr><td></td><td>Fax</td></tr><tr><td></td><td>Other</td></tr></table>
• From the main screen, You can touch ▶ for direct access. · You can save up to 2000 numbers including mobile security number.		**Add item:** Add extra phone, Ringtone, Vibrate, E-Mail, Anniversary or Memo to the contact. • Touch the button to delete the added item.

Add New Group			Add New Speed Dial	
Menu ▶ [icon] ▶ Search Number ▶ Add New Group			Menu ▶ [icon] ▶ Search Number ▶ Speed Dial ▶ Select Number	
•You can add new group.			• You can assign the number you want as a speed dial.	
· Maximum 50 groups can be saved. · You can touch existing group to edit or delete the group. · If additional group is deleted, contacts under the group will automatically move under group 'Other'. · You cannot delete 4 default groups. - Family, Company, Friends and Other.			· You can touch the speed dial number and search the phone number from 'Search All', 'Search Group' or 'Search Number'. · If the speed dial is already assigned, you can touch the speed dial number to 'Call', 'Edit' or 'Delete'. · If you touch and hold the speed dial number from the numeric keypad, your phone will call the assigned number. · You can set up to 200 speed dials (including mobile security number). · Mobile security number cannot be deleted.	

Phonebook Manager

You can manage the block call and the memory usage.

Block Calls		Memory Usage	
Menu ▶ **▶ Phonebook Manager ▶ Block Calls**		**Menu ▶** **▶ Phonebook Manager ▶ Memory Usage**	
• Touch 'New Block call number' to add the number to be blocked. · To unblock the number on the block list, gently touch and slide the number from left to right and touch [Delete]. · Touch the number on the blocked list to set the block method to 'Mute' or 'Disconnected'. **All Calls** : You can black all the calls. **Hidden Numbers** : Block the restricted number. **060*** : Block the 060* numbers.		· Touch to reset all the memory information to information. - If you reset your memory, all phone numbers store in your phone will be deleted. (Except Mobile security number)	

	Automatic Backup
	Your phone updates the phonebook once a week to the server.
View Saving Location Menu ▶ [icon] ▶ **Phonebook Manager** ▶ **View Saving Location**	Menu ▶ [icon] ▶ **Phonebook Manager** ▶ **Automatic Backup**
• You can set to display the phone numbers saved in the phone or USIM card.	**Menu description**
	Upload Address Book: You can view changed address and upload to the server. **Download Address Book:** You can download saved address in the server. (Additional fee is charged when downloading.) **Set automatic backup time:** You can set a day and time which automatic backup will be run.
Move/Copy All phonebook Menu ▶ [icon] ▶ **Phonebook Manager** ▶ **Move/Copy All phonebook**	
• You can move/copy the phonebook to the other space.	**Restore Deleted phonebook:** You can restore the deleted phonebook. **Recent connect:** You can check recently connected date. **Server status:** You can check the number of phonebooks saved in the server**.**
	Note In order to use automatic backup service, you have to register first and additional service fee will be charged. Contact SKT Customer Center for further information.

Internet

NATE	Web Surfing
Menu ▶ **▶ Connect to NATE**	**Menu ▶** **▶ Web Surfing**
• You can press [NATE] from the standby screen to move to NATE menu and press and hold to connect NATE home directly. • You can access NATE to search information or download various contents such as games and ringtones.	•You can connect to the website and search the information In the same environment with the PC. •You cannot run Active X control (such as internet banking, opening/running a file, attach/download a file and listening to music) when you connect to internet using web surfing. •For more detailed information about web surfing, contact SKT customer center.(1599-0011 or 114 from your mobile phone)

june Video

Menu ▶ ▶ **Connect to june video**

•You can download music, video, movie and et cetera from june service.

• Continuing download is available when download is not completed.

•You can resume downloading unfinished june contents.

Mobile Cyworld

Menu ▶ ▶ **Connect to Mobile cyworld**

· You can access mobile cyworld to upload photos and movies.

· A service fee is charged when you use the service.

Contact the service provider or visit Cyworld mobile website (http://cymobile.cyworld.com)

for the service and further information.

tossi

Menu ▶ ▶ **tossi**

• tossi is essentially a microblogging service that you can send and share your emotions in

a simple form.

• A call rate and an additional information service fee are charged. For more information

and rate guide, see tossi homepage (http://www.tossi.com).

Open Net

Menu ▶ ▶ **Open Net**

• You can press [NATE] from the standby screen and select Open Net.

• You can connect Open Net to check various information.

Camera

Camera

You can take photos and movies using camera.

Before using camera

• Have the object stand still when you take a photo. • Hold the phone with both hands to prevent shaking. • Clean the camera lens only with the soft cloth. -Otherwise, camera lens can be damaged	• Battery consumption increases when using the camera. • It is recommended to take a photo outdoor or inside the room with light. If you take a photo at night or in a dark place, set the brightness to maximum.
Caution	

• **Do not take a photo or video when you are not permitted or which may intrude**
 	
other person's privacy.
 	
  - You may have to compensate for violation of portrait or intrusion of privacy.
 	
• **Taking and distribution of a candid photo via internet is a criminal act and is**
 	
subject to civil/criminal punishment.
 	
• **Do not take a photo or video where it is forbidden.**
 	
• **In order to prevent the misuse of camera phones, this product is designed to**
 	
sound the camera tone in accordance with the relative regulations.
 	
• **Observe the camera etiquette, and do not modify the camera tone at your own**
 	
discretion.
	• **Place and use the phone in the safe place.**
	
	  -Keep the phone away from the magnetic components.
	
	• **Be careful that dust or sand should not infiltrate into the phone.**
	
	• **The camera lens is fragile. Do not drop the phone or give strong impact.**
	
	• **Do not face the lens to the sun or strong light.**
	
	  -Camera lens can be damaged.
	
	• **Avoid the place where there is sudden fluctuation of temperature and humidity.**
	
	  -In this case, turn off the power and dry the phone.

Take Photo

Menu ▶ [icon] ▶ Take Photo	
• You can press and hold the camera to move directly to the photo preview screen. • Press camera button to take a photo. • Touch the touchscreen gently to see the 'Settings', 'Zoom In', 'Bright', 'Resolution' and 'Mode' button.	
Menu description	
[icon]	You can set timer, serial, WB and memory.
[icon]	You can zoom in/out the capture screen.
[icon]	You can adjust brightness of the screen
[icon]	You can set the resolution of the photo.
[icon]	You can change the capture mode among basic photo, self photo, basic movie or self movie mode.

Record Movie

Menu ▶ ▶ **Record Movie**

	• You can start/end capturing by pressing camera button. • If you touch the touchscreen, items such as 'Mode', 'Resolution', 'Bright', 'Zoom In' and 'Settings' will be displayed.	
	Menu description	
		You can change the capture mode among basic photo, self photo, basic movie or self movie mode.
		You can set the resolution of the photo. If you select sub movie or movie mail, the movie will be taken with the ideal resolution.
		You can adjust brightness of the screen
		You can zoom in/out the capture screen.
		You can set timer, serial, WB and memory.

Photo Album

	Menu ▶ **▶ Photo Album** · You can view and manage the photo. (Phone only supports a JPG file with less than 1 Mbyte, resolution under 2048x1536.) · You can touch the preview screen to view the original photo. · You can select 'Int. Memory▼' to view the thumbnail in 'Grid' or 'List'. (If you have external memory card, external memory option will be added.) · You can touch the screen for 2 seconds or press (Volume) button to activate the zoom mode. · You can use selection mode in 'List' to select multiple photos to send or delete. (Selection mode is not supported in 'Grid'.)
	Menu description
	— You can use various functions such as send message, Mobile Cyworld, i's box, e-mail, visual expression, Bluetooth and photo print.
	— You can set the photo as wallpaper or use it in other circumstances.
	— You can check the name, and image size and files size etc.
	— You can delete the selected photo.

Movie Album

Menu ▶ ▶ Movie Album

Movie Play Screen			· You can check and manage recorded movie. · You can touch the preview screen to play movie. · You can select 'Int. Memory ▼' to view the thumbnail in 'Grid' or 'List'. (If you have external memory card, external memory option will be added.) · You can use selection mode in 'List' to select multiple photos to send or delete. (Selection mode is not supported in 'Grid'.)	
	Play Bar			
			Menu description	
	Volume Control Bar			You can use various functions such as send message, I's box, e-mail, Bluetooth and visual expression.
				You can check the name, and image size, and files size etc.
				Delete the selected movie (excluding protected movies).

Mobile Cyworld	i's box
Menu ▶ ▶ **Movie Album**	Menu ▶ ▶ **i's box**
•You can connect mobile cyworld to upload photos and movies. •A service fee will be charged when you use the service. Contact the service provider or visit Cyworld mobile website (http://cymobile.cyworld.com) for the service and further information	• You can edit and manage the saved movie file as UCC.

Photo Frame

	Frame Capture
	Menu ▶ ▶ Photo Frame ▶ Frame Capture
	•Touch [OK] or press camera button to take a photo. •The photo frames are updated monthly without charge. You can download the new frame from NATE. •Select photo frame using < and >. •After touching [Set Cam], you can adjust distance/brightness by using ◀,▶/▲,▼ button. •To save photo, press [OK]. ※ If you use the updated frames without purchasing them, an additional data service fee will be charged every time you save the photo with the frames. A data fee will be charged when you download the frames.
	Menu description
	Frame box — You can store and manage the frames downloaded from NATE.
	Frame photo album — You can store and manage the photos.
	Save frame — You can save the selected frame.
	Up/Down reversion — Reverse the photo upside down.
	Download frame — You can download frames from NATE.
	Help — You can view guidelines on the photo frame service.
	Receiving agreement — You can agree or block the updating frame service.

	NATE Photo Print
Frame Album	
Menu ▶ **▶ Photo Frame ▶ Frame Album**	**Menu ▶** **▶ Photo Frame ▶ NATE Photo Print**
	• You can request printing of the photos selected from 'Photo album' and receive the printed photos from the service provider. ※ Contact the service provider or visit NATE Photo website (http://photo.nate.com) for further information.
• Touch the photo you want to check the original image. • You can delete, delete all, rename, sending photo and setting the background by touching [Menu]	

Visual Expression	Settings
Menu ▶ [img] ▶ Photo Frame ▶ Visual Expression	Menu ▶ [img] ▶ Settings
• Video coloring is the service that you can display the predefined image or characters and emoticon on the receiver's phone when you place a video call. • Lettering is the service that you can display the predefined name or nickname on the receiver's phone when you place a call.	•Touch the item to select. **Location info: You can set/release location information.** **Call in Recording** : Set a method of answering a call while capturing the video (select to answer manually or automatically). **Setting Photometry**: You can set photometry as center or whole when taking photo or movie.

My Moto

Subway Map

The phone provides the nationwide subway route map.

View Route Map Menu ▶ [icon] ▶ **Subway Map**	**Station Info** Menu ▶ [icon] ▶ **Subway Map** ▶ [icon]
· Touch 'Seoul/Metropolitan▼' to check the subway map in different to different cities. · Touch [icon] to see the information on lost and found center. · You can touch the screen for 2 seconds or press volume button to activate the zoom mode.	· You can enter name of the station to search from information on first/last train, schedule, and transfer information. · You can check the time for first/last train for weekdays, Saturdays and holidays. ■ The information can be changed according to the subway situation.

View by Line	Search Route
Menu ▶ ▶ Subway Map ▶	Menu ▶ ▶ Subway Map ▶
· You can check the subway map of each line.	· You can enter 'Departing Station' and 'Arriving Station' to find out the route. · Touch to find the number of transfers and the estimated time categorized in to 'Least transfer information' or 'Shortest distance'. · You can touch to add information to 'My Route'.

Dictionary

You can search words by using English-Korean/Korean-English dictionaries.

	Dictionary
	Menu ▶ **▶ Dictionary ▶ English-Korean/Korean-English**
	• Select English-Korean or Korean-English dictionary. · Touch the text entry box and enter the word. · You can touch the word from the list to check the meaning.
	Button description
	You can check the meaning of the previously searched word.
	You can save word you have searched.
	You can enlarge the size of the font.

Saved Word

Menu ▶ [icon] ▶ **Dictionary** ▶ **Saved Word**

· You can see the save word.

· Touch 'Previous', 'Next' to check the word in the list.

Word Card

Menu ▶ [icon] ▶ **Dictionary** ▶ **Word Card**

· You can shuffle the saved words randomly, then check the meaning.

· Touch 'Word Card' to shuffle the words randomly and then touch the screen to see the

meaning of the words.

Note

Downloading via PC Sync Program

1) Go to Motorola website (www.mymotorola.co.kr), download PC Sync and install it to

PC.

2) Run PC Sync program and click [E-Document > Dictionary]

3) If you select [Put E-Dictionary into Cell Phone] after clicking [E-Dictionary] from [E-

Document > Dictionary] program, the e-dictionary database are saved in the phone.

Downloading via USB Mass Storage

1) Go to Motorola website (www.mymotorola.co.kr), download e-dictionary database.

2) If you copy a downloaded file to DIC folder of a USB Mass Storage after connecting

the mobile phone to PC,

E-dictionary database are saved in the phone.

· You can use an e-dictionary menu if there are e-dictionary database.

E-book		**Stopwatch**
You can read the text file on the phone. See 'Help' for further information.		You can use the phone as a stopwatch.
Menu ▶ ▶ **E-book**		Menu ▶ ▶ **Stopwatch**
	•The phone provides the space of up to 200 E-books, with maximum 1024K per an E-book file. The number of files to be stored in the phone varies depending on the file size.	
	Button description	
	You can enter the word to find out the meaning.	
	Change the color of the background.	· Touch 'Start' to begin time recording and touch 'Stop' to end the time recording.
	You can enlarge the font size.	· Touch 'Lap' to record maximum 20 lap time.
	You can touch word within the E-book text file to find out the meaning.	· Touch 'Stop' to stop the time recording then you can either touch 'Reset' or 'Restart' to reset or resume the time recording. **Note** You cannot use the function with the slide is closed.

File Viewer

You can view files stored in internal/external memory.

Menu ▶ **▶ File Viewer**

• You can view image files (JPG, BMP, PNG, GIF, WMF, EMF) and document files (PDF, Text, HTML, Word, Excel, Power Point).

• To use the file viewer, you should save files in the internal memory with PC Sync program.

• For external memory, the external memory card (Micro-SD) must be mounted on the phone. (USB Mass Storage, see p.132). You can download PC Sync program from the Motorola website (www.mymotorola.co.kr).

• Select a file in the list and touch it. You can use Delete, File name/Information, Sort by time, Sort by name, Sort by type, Sort by size, Delete all, and Bluetooth.

Note

The image displayed on the phone can be different from that shown on PC, and some of figures may be omitted.

Button description	
	You can send the file using Bluetooth.
	You can check the information of the selected file.
	You can delete the selected file.

Donguibogam

You can check your types, food recommendation, and combination of food to maintain your health.

	Menu ▶ **▶ Donguibogam**
	1) Classification · You can view 4 types of classification and check your type by Facial Features/Appearance, Personality, and Health. **2) Test for Types** · You can find out your body types answering 12 different questions. · Touch the answer following the question, and touch next to move to the next question. · Touch save to save the text while you are answering. **3) Recommended Food** · You can find out the recommended food according to the symptoms on your body. **4) Effect/Direction** · You can find out effects and direction of traditional oriental medicine. **5) Combination of Food** · You can find out combination of food to maintain your health.

Enjoy Wine

You can search for recommended wines, check tips for wine, cheese story and tasting note provided by your phone.

	Menu ▶ **▶ Enjoy Wine**
	1) Search · You can search wine by name, type, purpose and taste. **2) Recommendation** · You can search recommended wine as a gift by relations, age and gender. **3) Tips for Wine** · You can check and learn tips for wine. · Vintage Guide ▶ Total Vintage Chart to activate the zoom mode touch the screen for 2 seconds or press (Volume) button (Volume) button. **4) Cheese Story** · You can find out type and taste of the cheese. **5) Tasting Note** · You can record the taste of the wine and save it to the phone. - It is able to save up to 50 tasting note. You can transfer saved tasting note via Bluetooth.

Settings

Phone Setting

Integrated menu for phone setting.

Menu ▶ ▶ Phone Setting

Language	**You can set the language to either Korean or English.**
Removable disk	**Set the Removable disk On/Off.** · You need external memory card to use this function and the phone function will be restricted.
Airplane Mode	**Set your phone available in the plane or other places that restricts mobile phone use (MP3, Games, Organizer etc.).**
Locked Mode	**Lock all the functions or set 'Phone Lock', 'Service Lock', 'Photo Album', 'Movie Album', 'Call Lock', or ' Message Lock' on/off to restrict other people from using it.**
Change Password	**Change your phone's password.** · Default password is' 0000'.
Restore Default	**Restore your phone to the default setting.**
Factory Reset	**Initialize the phone to default settings.**
Format External	**Format external memory card.**
Format Internal	**Format internal memory.**
Format USIM card	**Format USIM card.**
Format T MAP	**Format T MAP.**
Format NATE Cash	**Format NATE cash.**

Call Setting	Network Setting
Integrated menu for call setting. Menu ▶ [icon] ▶ **Call Setting** • You can set/cancel various call answer modes. • You can check call time by touching 'Call Time'.	Integrated menu for call setting. Menu ▶ [icon] ▶ **Network Setting** • You can set network when using global roaming. • You cannot use it when using in domestic.

Answer options	**Set the answering option. Answer your phone by touching 'Answer' key or by opening the Flip.**
Int'l Restrict Call	**Restricts international outgoing calls.**
700/600 Restrict Call	**Restricts outgoing call starts with 700/600.**
Call Time/History	**You can check or reset 'Last Call Timer', 'Cumulative Dialed', 'Total Dialed', 'Roaming Call', 'Sent Message', 'Last Reset'.**

NATE Setting	june Setting
You can change NATE preferences. Menu ▶ [icon] ▶ **NATE Setting** 1) Input password. 2) Edit NATE setting or initialize and then press	You can change preferences related to june contents. Menu ▶ [icon] ▶ **june Setting**

NATE menu description

Home URL : You can set the initial access address for wireless internet.

Proxy : If the service provider extends the proxy, and adds or deletes address, you can set

the proxy at your own discretion.

Note Proxy is the server located between the user and the service server to speed up date transmission. When the user requests a specific data, the data in the proxy, rather than those in the concerned server, are sent to the user.	**Play Setting**	You can set the preference for content play and light while playing.
	Display	You can set/cancel the preview.
	Live screen sound	You can set/cancel the background music.
	Memory	You can check total internal memory capacity, used and free space of memory.

Date/Time Setting

You can set current date and time in the phone.

Menu ▶ ▶ **Date/Time Setting**

1) Set the date/time setting switch as [ON].

2) Set date, time and city.

3) Set summer time (DST).

4) Save date/time by pressing [SAVE].

Moto Customer Service

You can receive the service guide about the phone.

Call Center

Menu ▶ ▶ **Moto Customer Service**

•You can check the representative number and business hours of Motorola

Customer Call Center will be displayed.

•Touch the number to place a call to the customer center.

Search Service Center	Troubleshooting
Menu ▶ ▶ **Moto Customer Service** ▶ **Search Service Center**	**Menu** ▶ ▶ **Moto Customer Service** ▶ **Troubleshooting**
	•You can check the solution against phone failure.
• Touch [Seoul▼] on the top of the screen and you can select a city among Seoul, Kyounki, Kang-won, Chungcheong, Jeonra, Kyoungsang and Jeju.	
• You can check call number and map of the local service center.	
• Select a service center you want and touch the call number to place a call directly.	
• Touch to save the number of customer center.	

My Device Info

You can check your phone's model name and S/W version.

Menu ▶ ▶ **Other Information**

• You can check the model name, version and serial number of your mobile phone.

• You can register your photo, name, contact number and e-mail.

USIM Setting

To prevent loss of information when lost or stolen the phone, you can set lock and PIN.

Menu ▶ ▶ **USIM Setting**

PIN Lock : You can set PIN code when turning on/off the mobile phone.

Change PIN Code : You can change PIN code. (Set PIN lock to use this function)

Menu Access : You can lock the menu when USIM card is not inserted in the phone.(Set PIN lock to use this function)

Block USIM Setting : You can turn on/off the block USIM Setting.

Change Blocking USIM Password : You can change the existing password.

Appendix

Accessories	Troubleshooting
You can purchase optional items at the nearest Motorola service center or accessory shop. Contact the service provider or visit Motorola website (www.mymotorola.co.kr) for details. <table><tr><td>Standard-type battery</td><td>Battery charger</td><td>Stereo earphone</td></tr><tr><td>Multi adapter</td><td>USB Data cable</td><td>Car charger</td></tr><tr><td>Travel charger</td><td>Bluetooth headset</td><td>DMB antenna</td></tr></table>	**Nothing is displayed on the screen** - Check the battery. **No antenna bar is displayed on the screen** - Move to other place and then attempt a call again. **It sounds 'Toot-Toot' when a call is placed** - T here is no communication channel available or your phone has failed in communicating with a base station. Press to clear the call and press to redial the number. **The charging lamp of the charger blinks in red** - Check the battery position or clean the terminals before reattempting charging. If the lamp keeps blinking, contact the nearest service center. **Battery operating time does not comply with the User Manual** - T he battery operating time reduces slowly as the battery repeats charging and discharging. The operating time reduces rapidly if the battery is left in a cold or hot place for a long time. **Malfunction or failure to power On** - Remove the battery and reinstall it, and then turn the power on.

Specification

	Wireless communications service	Bluetooth
Transmit frequency	1942.8~1977.2MHz	2402~2480MHz
Receive frequency	2132.8~2167.2MHz	2402~2480MHz
TX power	250mW	7mW
Number of channel	11CH	79CH
Type of emission	G7W	F1D
Modulation system	QPSK	GFSK, Pi/4-DQPSK and 8DPSK
Communication mode	Duplex	Half-duplex
Oscillation	PLL	
Power	DC 3.8V	
Exterior, weight	108.9X54X14.34mm, 151g	
Relative humidity	-20deg.~50deg., 0%~95%	

Authentication Label

1. Name of the model : Wireless communications service device. (ZN50)

2. Authentication number : MOT-C-ZN50-0708

3. Authentication Trade name: Motorola Korea Inc.

4. The date of manufacture: 2008. . .

5. Manufacturer/country : Motorola Korea Inc. / China

Notice to Users

※ The manufacturer and the installer are not allowed to provide the service that

affects people's lives since there can be an interference of in this equipment.

Specific Absorption Rate Data

This model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.1 Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output. Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 0.37 W/kg, and when worn on the body, as described in this user guide, is 0.41 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements). 2 While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate with your mobile device, the system handling your call controls the power level at which your mobile device transmits.

Your Motorola mobile device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

For optimal mobile device performance, and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions.

Product Operation

When placing or receiving a phone call, hold your mobile device just like you would a landline phone.

If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola, keep the mobile device and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our Web site at: **www.motorola.com**.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

FCC Notice to Users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC-ID:xxxxxx on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

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. See 47 CFR Sec. 15.19(3).

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 the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.