

APPLICANT MOTOROLA INC.

FCC ID: IHDT56LT1

INSTRUCTION MANUAL

A representative version of the user's manual follows:



## Welcome

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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, shock, 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 V14w.

※ 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.

### Grade B device(Residential communication device) notice

This device is residential (Grade B) device with electromagnetic suitability registration which can be used in all areas but mainly in the residential area.

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## Prohibition of Illegal IMEI Modification

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Removal or change of IMEI (International Mobile Equipment Identity) installed in the mobile phone manufactured and supplied by Motorola, or and attempt to reproduce and enter another ESN in the mobile phone is strictly prohibited and subject to maximum 10-year of imprisonment or a fine up to 20 million won. In addition, such an illegal act may damage the software installed in the phone. Therefore, customers should care so that you do not damage your phone due to such an illegal act. The product which is illegally modified is excluded from any free or paid service warranted by Motorola.

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# 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 save 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 lose the privilege of receiving free service by Motorola.
  - For normal operation of the touchscreen, do not attach any protection film. Also, be careful with the moisture and use the touchscreen with clean and dry hands.
- This product should not be added with any separate equipment that may cause an alteration to its original performance as described on type registration.

## CAUTION FOR USING BATTERY



Please keep the following directions to avoid of heating, fire and explosion.

- Contact the manufacturer or retail store immediately when you find swollen battery which can be dangerous.
- Use authentic charger only.
- Do not place the battery near heating apparatus. (Do not put the battery in microwave.)
- In summer, do not place the battery in the car.
- Do not place or use the battery in a place with high temperature and humidity such as spa.
- Do not let metal products such as necklace, coin, key and watch contact the battery terminal.
- Use lithium battery guaranteed by mobile device manufacture company.
- Do not disjoint, compress or penetrate the battery.
- Do not give strong impact such as dropping the battery.
- Do not expose the battery in a temperature over 60°C.
- Make sure the battery does not get wet.
- If the battery is placed in a low temperature for long time, duration of the battery may get shorter.

## RECOMMENDED GUIDELINE FOR CHARGING METHOD

- Do not charge the battery in the way which is not instructed in the user's manual.
  - Fire or explosion may occur.



## To use the mobile phone safely for a long time



### Use authentic products only.

Using an unauthorized battery or charger may shorten a life cycle of the cell phone or deteriorate its performance, so the safety of the product cannot be guaranteed



### Be careful not to damage a 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 the 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, it may cause explosion or damage to your phone. In this case, do not turn on power, separate a battery from the phone and contact a service center designated by Motorola.



### Keep the mobile phone clean at all times.

- If there are foreign substances on metal parts 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 (i.e. alcohol, benzene, thinner, etc.) for cleaning.



### Do not give a 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 mobile 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 mobile phone after disconnecting it from a USB data cable or charger.



### Be cautious when you use a USB data cable.

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



### Do not place your phone near items containing magnetic components.

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



## To use the mobile phone safely for a long time



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

- Saved data (i.e. phone numbers 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 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 phone out of animals 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 waves.



### Take extra precautions when you hang the phone on the neck.

You may tumble over as the necklace is caught by the doors of a car or a subway.



### Do not paint or put any 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 to your body.



### Keep the phone, charger and battery out of children's reach.

- If they put a battery in their mouth or use a damaged battery, it may harm their body and there is a risk of electric shock or exposure to electric magnetic waves.
- Make sure children do not swallow any parts of the phone such as covers. It may stuck in their throat or cause them to suffocate.



### Do not place your phone near credit cards, phone cards, bank books or other materials that contain magnetic strips.

Data stored in your phone may be damaged by the magnetic strips.

### Do not hold or block the antenna with your hands or body during a call.

- If you hold the bottom part of the phone (where antenna is located) during a call or data transfer, it may decrease the performance, heat the battery and battery consumption may increase.
- If you attach materials, such as metallic stickers, that may affect antenna, it may decrease the quality of the call.
- Hold the phone in proper position during a call. If you put the phone between your head and shoulder or use it in improper position, it may affect the quality of the call.



## To use the mobile phone safely for a long time



### Do not use your phone in areas with potentially explosive atmospheres.

When you are in construction sites or military areas where high RF devices are often used, turn off your mobile phone and follow instructions and signs.



### Do not use the mobile phone near inflammable materials.

Do not use your phone or do not attach accessories on it in areas with a potentially explosive atmosphere including gas stations, areas with leaking gas, and decks on boats.



### Do not use the mobile phone in a prohibited area such as an airplane and hospital.

Radio frequency emitted from your phone may affect some of the devices used in an airplane or hospital, which may cause accidents.



### Do not use the mobile phone near pacemaker.

- Electromagnetic waves from your mobile phone may affect a pacemaker when the phone is used within 15cm (6 inches) from the pacemaker.
- Make sure to keep your mobile phone at least 15cm away from the pacemaker and use your mobile phone on the opposite side of the device if it is inevitable to use a mobile phone.



### A chargeable battery is consumable.

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



### When charging a battery with a TTA-approved standard 24-pin charger, the charger lamp flickers if the battery is not being charged properly.

If appropriate actions are not taken immediately, each device and battery may be damaged.



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

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.



## To use the mobile phone safely for a long time



### Make sure to use the standard charger with a TTA-mark.

A charger without a TTA-mark may cause an explosion of battery and failure of the phone.



### Keep your phone at room temperature of 0°C ~ 40°C, avoiding direct sunlight or any place with high temperature and humidity.

Appearance is changed and swollen, causing risk of explosion.



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

There is a risk of explosion or fire.



### Ensure that charging terminal of the battery does not make contact with other metallic objects such as a necklace, coin and key.

There is a risk of explosion or fire.



### Do not use a mobile phone while driving.

- Using the mobile phone while driving a car is dangerous and such action can cause a car accident.
- You must pay a fine and get demerits in accordance with the Highway Traffic Act if you use your mobile phone while driving a car. Make sure to follow related regulations and laws.



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

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

If you use DMB, camera, camcorder, play media or voice call for long time, your phone may get over heated. If your phone gets over heated, end the program and use it again after cooling down.

Your phone checks battery temperature on its own for your safety. When the temperature of the battery raises over 55°C, phone will automatically stop all the functions and notify you to place the phone in cooler area with a pop-up message. (When the temperature of the battery is between 55°C to 58°C, pop-up message will appear and user can choose to continue or stop the popup and alert sound to occur every 3 minutes.) When the temperature pass over 58°C, your phone will automatically turns in to cool down mode.

※ What is cool down mode?

It is a state where you can only make emergency calls and your phone will stop all the functions until the temperature of the battery becomes lower than 50°C. When the temperature becomes lower than 50°C, your phone will notify you in a pop-up message that your phone is back to normal.



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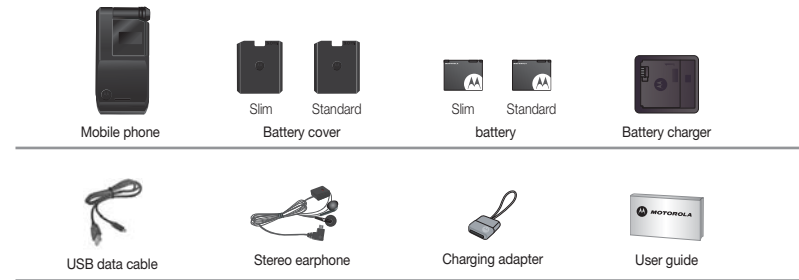


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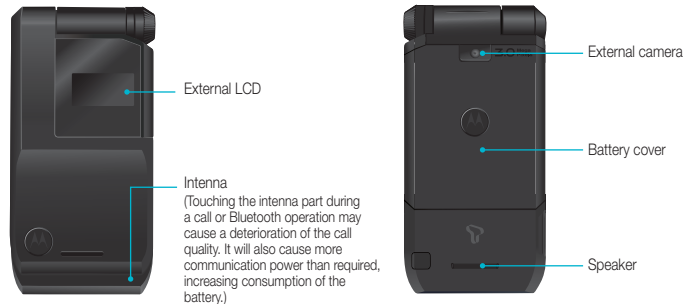
## Components

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



- Above illustration may look slightly different and some of the components are subject to change without notice.
- When you connect the charging adapter to the 'accessory hole', be careful not to lose the adapter.
- If you contact 5 PIN terminal of a USB Data cable, which is a basic component, to the PC's USB port, be aware that your PC may malfunction (Power off, Reset)

## Parts of the Phone



Before Use



## Buttons and Functions

### NATE/OK

- Confirm menu or save
- Press this button on the standby screen to move to the NATE menu. Press and hold this button on the standby screen to access NATE Home.

### Menu

- Press this button on the standby screen to activate [Menu].
- Select [My Menu] while using [Menu].

### Home

- Press this button on the standby screen to go to Home screen.
- It also activates the multi-access (simultaneous work) function.

### Call

- Receive or make calls.
- Check the call service record (calls, messages, wireless Internet).
- Press and hold to dial to the user of the recent call or received/sent message.

### \* Button

- Press and hold to set/release the 'Etiquette mode.'



### Navigation

- Up: Move to the 'W' menu
- Down: Move to the 'Camera' menu.
- Left: Move to the 'Message' menu.
- Right: Move to 'My Menu'.
- While the menu function is used: Move between menus

### Phonebook

- Select [Phonebook] on the standby screen.

### Cancel

- If Widget/Background is set to Home mode, move from the standby screen to the Home screen.
- Go to upper menu.
- Cancel a character input (in the character input mode).

### End

- Power On/Off
- End/reject call
- Move to the standby screen.

### # Button

- Press and hold to set/release 'Lock All.'

### 0 Button

- Press and hold to input '+' during an international call.



## Using the batteries

When you purchase this product, the battery in the package is not fully charged. Make sure to fully charge the battery.

### Installing the battery



- 1 The battery charging terminal and the phone charging terminal should be engaged.



- 2 Put the battery back properly. Push it until it clicks.



- 3 Place the battery cover on the battery cover groove and then push and slide it until it is properly fitted.

• Battery cover groove

### Removing the battery



- 1 Slide the battery cover down in the direction of the arrow.



- 2 Lift up the battery cover.



Battery separation groove

- 3 Slightly lift up the projection part of the battery separation groove to remove the battery.

#### Caution

Make sure 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 with a USB data cable



- 1 Open the external connector port cover, and Connect the USB data cable.
  - To charge your phone using the USB data cable, you must install SKT USB driver in your PC. You can download the USB driver from Motorola website.
  - If you connect your phone and PC by using the USB data cable, you can transfer files and charge your phone.
- 2 Connect the USB data cable to the USB port of your PC.

#### Charging with a battery charger



- 1 Insert the battery into the battery charger.
  - When you insert or remove the battery, check and make sure that the battery is in proper position.
- 2 Connect the TTA-certified standard 24-pin charger to the battery charger.
- 3 Connect the power cable of the TTA-certified standard 24-pin charger to the receptacle.
  - Red: charging, Green: Charging complete.

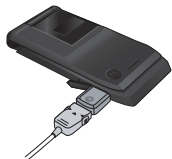
#### Note

- Make sure to use standard travel chargers with a TTA certification mark. Otherwise, a battery may be exploded and an accident may occur.
- Travel chargers can be purchased separately to ensure resource recycling. You can buy travel chargers at the agency where you purchased the product or at a local service center.



Before Use

Charging with TTA-certified standard 24-pin charger



- 1 Open the cover of the external connector port, and connect the charger adapter.
- 2 Connect the TTA-certified standard 24-pin charger to the charger adapter.
- 3 Connect the power plug of the TTA-certified standard 24 charger to the receptacle.
  - Red: charging, Green: Charging complete.

Battery charging status

Charging with TTA-approved standard 24-pin charger

Type	Charging	Charging complete
Lamp color	Red	Green

- When lamp blinks in red.
  - The charging terminal is not in good contact. Check if the battery is clean and check the connection status of the charger before trying to charge the battery again.
  - Battery or the other accessories may be damaged. Contact the service center.
- When lamp is orange.
  - Battery is being charged in a place too hot or too cold. When the temperature returns to normal, the lamp turns red and begins charging again.
  - If it is too hot or too cold, the phone automatically stops charging, and the perimeter of the icon becomes red (🔋). If the temperature returns to a room temperature, battery will start charging again.

Battery charging time

Type	Slim battery	Standard battery
Time	Approx. 145 minutes	Approx. 165 minutes

- Charging time can be different depending on the status of the battery or charger.
- Charging time may increase if the rated voltage of the charger is low.
- If you use the phone while charging, there is a risk of electric shock and charging time may increase.
- When you charge the battery completely discharged, the mobile phone is not turned on until it is charged with available battery voltage.

Battery operating time

Type	Standard waiting time	Voice call time	Video call time	Terrestrial DMB watching time
Slim battery	Approx. 175 hours	Approx. 200 minutes	Approx. 110 minutes	Approx. 190 minutes
Standard battery	Approx. 210 hours	Approx. 240 minutes	Approx. 120 minutes	Approx. 230 minutes

※ Based on a new battery/Bluetooth mode off

- Above service time of the battery is measured according to standard set by SKT.
- The Bluetooth function requires more battery power.
- More power is used during a call or while NATE, @Playon, MP3, TV (TDMB) is being used. The longer the call time, the shorter standby time gets.
- Receiving a 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

- If a battery is low the low voltage alarm is on and (🔋) icon will flicker
- When the battery is low, functions may not be able to operate. Charge the phone immediately.



## Using the USIM Card

In order to use the phone, you should insert the USIM (Universal Subscriber Identity Module) card supplied by SKT. However, you can use emergency calls and basic menus without the USIM card.

### Inserting the USIM card



- 1 Remove the battery cover and the battery.

USIM card Slot



- 2 Insert the USIM card into the USIM card slot in the direction of the arrow.
  - Insert the metal terminal of the card in a downward direction.



- 3 Put the battery and the battery cover back.

### Removing the USIM card



- 1 Remove the battery cover and the battery.
- 2 Pull out the attached USIM card in the direction of the arrow.

#### Note



- Calling and data usage fees are charged to the person registered to the USIM card. Therefore, be careful not to lose or transfer ownership. (We do not take responsibility for the financial damage caused by lost or stolen USIM card.)
- Set the password on your USIM card to prevent other people from using your USIM card when it is stolen or lost. ('Setup USIM card lock', refer to page 131.)
- Data inside of the USIM card can be damaged when the card gets scratched or bent.
- Using the USIM card with Transportation card function, may shorten battery usage time.

#### Caution



- You are restricted to use the USIM card if you press the wrong USIM card password three times in a row. In this case, you can initialize the USIM card by entering the PUK code. The PUK code (10 digits) is recorded at the bottom of the USIM protecting plastic when you purchase the USIM card. If you press the wrong PUK code ten times in a row, you are required to replace the card. If you forget USIM card password and PUK code number, you are absolutely required to contact the agency where the USIM card was issued or SKT.
- For details about USIM cards, contact SKT agencies or service providers.



Before Use





## *Basic operation guide*

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## Power On/Off

In order to use the phone, you should insert the USIM (Universal Subscriber Identity Module) card supplied by SKT. However, you can use emergency calls and basic menus without the USIM card.

### Power on

1) Press and hold  while the phone is off

- The user-selected picture is displayed, and then, the screen switches into the standby screen.
- If you have set the lock for the USIM card, you should enter the password (PIN) when you switch on power. ('USIM setting,' refer to page 131)

### Power off

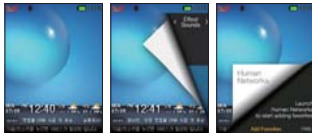
Press and hold  while the phone is on

- The user-selected picture disappears, and the phone is switched off.

#### Note

- The power on/off backgrounds can be selected in 'Backgrounds' ('Backgrounds', refer to page 75)

## Standby Screen

























- Weather report and news displayed at the bottom of the screen are the widgets developed and supplied by SKT. Refer to 'Checking weather/news' for details. ('Checking weather/news', refer to page 39)
- From the standby screen, you can adjust the volume by turning the wheel button
- From the standby screen, you can use the Human Networks function by pressing the wheel button. ('Human Networks', refer to page 99)

#### Note

- The LCD screen may not be displayed clearly if you are under a light (direct sun light, etc.). The appropriate brightness is that of the shadowed area or that proper to read books.
- To reduce consumption of battery, the light of the display gets off automatically if the set time is passed.

## Icons on Standby Screen

	Indicates the strength of signal in the current location		Out of the service area
	Voice call status		Musical content is being played
	Video call status		Voice message or text message is received
	e-mail is received		During a data call
	Alarm is set		Bluetooth is being used
	The phone is locked.		The phone is privacy-locked or service-key-locked
	Current ring mode 🔕 Etiquette 📞 Vibrate 📞 Ring Vibrate 🔕 Vibrate then Ring 📞 Ring Louder 🔕 Silent		Remaining battery capacity 🔋 Full 🔋 Low 🔋 Empty
	Being charged with a USB data cable or car charger		Airplane mode
	USB data cable is connected (depending on Widget/background setting)		Auto answer function is selected
	A mobile messenger is received		3G (WCDMA network) service is connected during the roaming service
	The charger cable is disconnected or not connected properly. (Connect the charger cable again.)		General network (other than WCDMA network) service is connected during the roaming service



## Display Description

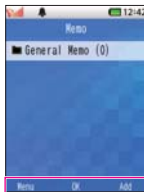
Learn how to use the phone according to the display.

Move the cursor and select a menu.



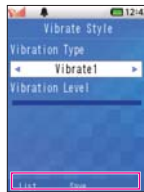
Use or wheel button to move the cursor. press or number of the menu.

Option menus are displayed on the bottom.



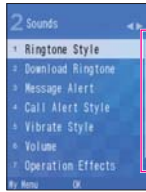
Press , or in the center.

If there are more options, and are displayed.



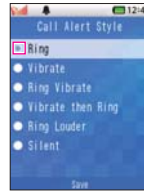
Select an item with , and then, press .

If there are too many items to be displayed in a page, the scroll bar is displayed.



Use or wheel button to select an item, and then press .

is displayed if you should select one out of multiple choices.



Use or wheel button to select an item, and then press .

> is displayed if there are sub-items in the selected item.




Press or to display the sub-items. Select a sub-item and press or press the number.




## Home

You can use various functions easily and quickly.

Press  on the standby screen or while using other functions.



- Press  on the standby screen to go to Home.
- You can use other functions without closing the current function (multi-access function).
- You can use various functions on the panel which is expandable to up to 5 panels.
- You can select weather/news and other information services to be provided on the standby screen.
- With T Store provided by SKT, you can download various applications including games, information and other convenient functions.

### Home menus

Function/ panel setting	<p><b>Function setting:</b> You can select news, calendar and other multi-access functions on the standby screen.</p> <p><b>Reposition icons:</b> You can change positions of the multi-access icons.</p> <p><b>Add short-cut:</b> You can add the functions in @Playon or WAP on the Home screen as the multi-access functions.</p>
Access to store	You can download various applications provided by SKT. (The downloaded applications are displayed as the multi-access function icons on the Home screen.)
Other menus	You can check the new version of the Home function and the descriptions of the functions.

### Note










- Some of the multi-access functions which may affect the safety of the system may be restricted. Using too many functions at the same time may slow down the system speed, and some functions may not work due to lack of the free memory space.
- T store functions will incur data call fee, and downloading applications will incur additional call fee. (Contact SKT Customer Service Center or visit the web site of T Store ([www.tstore.co.kr](http://www.tstore.co.kr)) for details of T store.)

## Checking Weather / News



<Weather>

<News>

- 1) On the Home screen, press  to select Weather or News menu, and press .
  - Press  on the weather screen to view local weather report. Press  (Left) to update the weather report. If you press , you can select an desired area as the default weather screen.
  - Press  to select a news title, and then, press  to read the news. Press  (Left) to update the news. If you press  (Right), you can read the real-time news provided by NATE (data call fee is charged).


### Note

- Weather and News are the widgets developed and provided by SKT. Weather and News are provided on the standby screen in default, and it is free of charge. You can display or hide Weather and News by selecting the User Setting mode or the Home mode for the function. ('Idle/Home Mode', refer to page 74)
- Weather and News are updated automatically by the time cycle set by the service provider.
- You cannot view Weather or News while you are using a multi-access function




## My Menu






You can select up to 12 frequently used menus.

Press  on the standby screen.





- If 'My Menu' is displayed at the bottom left of the screen while using a menu, you can add menu to My Menu by pressing  (Left).
- The menus added to My Menu are not deleted from their original positions.

## Adding menus from the My Menu screen





- 1) On the standby screen, press .
- 2) To add a menu, press , select a menu, and then press .
- 3) Select a sub-menu, and press  (Right).
  - To select an item of the selected sub-menu, press .
- 4) Press the number key of the icon.

## Adding menu in use

- 1) On the standby screen, press  (Left) to access the main menu.
- 2) Select a menu.
- 3) Select a frequently used sub-menu.
- 4) Press  (Left), and then press the number button of the icon.



## Entering Text

### Before entering text


- In the text input mode, press  (Right) to select an input mode.
- Press  or  to move the cursor and enter a character.
- Press  to delete a character, or press and hold to delete all.

### Entering Korean



To enter consonants

- In the Korean input mode, press a key once to enter the first consonant, and press the key twice to enter the hard sound of the consonant.
- You can enter the second consonant by pressing the first consonant plus . If you press  again, the first consonant is selected.












#### Example

ㅈ	Press  once.	ㅉ	Press  , and then,  .
ㅊ	Press  twice.	ㅋ	Press  and then,  .

To enter vowels

- Enter an initial consonant, a medial vowel and a final consonant in accordance with the Korean orthography. If the final consonant does not meet the Korean orthography, it is moved to the initial consonant of the next character.
  - Initial consonant: 'ㅇ' of '홍'
  - Medial vowel: 'ㅏ' of '홍'
  - Final consonant: 'ㅇ' of '홍'
- You can enter the second vowel ('ㅓ' for 'ㅓㅓ') on the button by pressing the button twice.
- To enter a diphthong, press the key in the order of the strokes, or enter the basic vowel, and then, press .
- If you press  again, the basic vowel is selected.

#### Example

ㅓ	Press  once.	ㅕ	Press  , and then,  .
ㅖ	Press  twice.	ㅗ	Press  twice, and then, press  .
ㅛ	Press  and then,  .	ㅜ	Press  three times, or Press  and  .



## Entering English

- In English lower/upper case mode, press a key once, twice and three times to write the first, second and third character on the key, respectively.
- Press once to enter '@', and twice to enter '.'.

Example	
L	Press  three times.
O	Press  three times.
V	Press  three times.
E	Press  twice.
.	Press  twice.

## Entering numbers

- In the number input mode, you can enter a number by pressing the number button.
- In other input modes, press and hold the number button to enter the number.

## Entering special characters



- In the text input mode, press (Right) to select the character input mode.
- You can enter the generally used symbols. (Normal, Figure1, Figure2, Line, Unit, Circle, Brace, Japan1, Japan2, ^-^ and E-mail)
- Press to select a symbol, and press to scroll pages.
- Press the number key of a symbol, and then, press to enter the symbol.

## Phone

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## Video call

You can see each other over the phone as talk on the phone. However, the receiver must also have the phone supporting the video call service.

### Before Use

- The video call quality is depending on the states of the base stations.
- Check if the person you are calling has a video call phone. If the receiver's phone does not support the video call service, a voice call will be connected.
- Use a stereo earphone if you cannot clearly hear the voice due to an ambient noise.
- The battery consumption can increase drastically depending on the environment.

### Making a video call

Enter a phone number on the standby screen, and press **▶** **•** (Right).



- When the call is connected, aim the internal camera lens at you and talk through the speaker phone.
- Use a stereo earphone if you cannot clearly hear the voice due to an ambient noise.
- A video call is connected only when the receiver's phone supports the video call service.
- Press **⏏** to finish the call.

### Receiving video calls

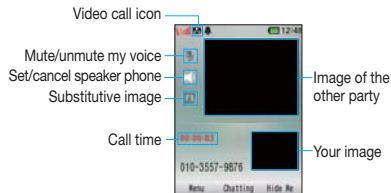
Open the folder or press **⏏** to receive a call.



- If you press and hold the wheel button, the ring or vibration switches into mute.
- To activate the silent operation set on Call Settings, just turn your phone over. Then, ring or vibration switches into mute. ('Silent operation', refer to page 130)
- When the call is connected, aim the internal camera lens at you and talk through the speaker phone.
- Use a stereo earphone if you cannot clearly hear the voice due to an ambient noise.
- Press **⏏** to finish the call.

### Using functions during a video call

Screen and buttons during a video call




- Press **⏏** (Left) to use other function available during a video call.
- Press **MUTE ON** to use the video chat function.
- Press **▶** **•** (Right) to send a substitutive image.
- The call continues even when you close the folder if a Bluetooth headset or a stereo earphone is connected to the phone.




## Video chat

Press  during a video call





- You can chat with other person as you see each other over the phone.
- You can send a text of up to 40 Korean characters or 80 English characters.
- If you press  (Left) during a video chat, you can use various functions such as Video call Mode, Speakerphone Off, Mute, Record/Capture, Hide Me and Phonebook
- The content of the video chat is stored in the video chat box.
- If the number of recorded video chat messages reaches 100, the messages are deleted one by one from the oldest message.

## Record/capture

Press  (Left) during a video call ► Select Record/capture



- You can record or capture the image of the other party.
- During recording, press  (Right) to cancel recording or  to save the file in the Video Album in the Image Album Box.
- The captured photo is stored in the Photo Album of the Image Album Box.
- The image of others recorded during video calls cannot be used as substitutive images.

### Menus available during a video call

Speakerphone Off/On	You can use the speaker phone function during a video call.
Record/Capture	You can record or capture image of other person, and save the file in the phone.
Camera Settings	You can switch external/internal camera, or set zoom, brightness, saturation, effects, reverse function.
Mute	You can block my voice during a call.
New Message	You can send a message during a call.
Phonebook	You can find and manage numbers in the phone.
Screen	You can select the Enlarge my image, Enlarge other's image, Other's image only, or Other's image to full screen function.
Substitutive Image	You can set the substitutive image with a photo/video/flashcon stored in the phone.
Send flashcon	You can send a flashcon (moving emoticon).
Emotion	You can send the image showing your emotion to the other party.






## Voice call


You can use the typical voice call function.

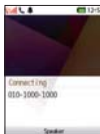
### Before Use



- If you press and hold  on the standby screen, the last connected number in the call list is dialed.
- If the phone is set to 'Lock', you must enter the password to place a call. However, you can place emergency calls (111, 112, 113, 119, 125, 127) regardless of the lock function.

### Making a voice call



To place a call by entering a phone number


Enter a phone number on the standby screen ►  
press .



- When you start entering a number, the easy calling function finds the matching number from the recent calls on the list. You can select a number with  and place a call by pressing .
- \* Easy calling: This service finds the matching number from the recent calls on a list as you enter a phone number.

To place a call to a number stored in the phonebook

Press  (Right) on the standby screen ► Select a phone number. ► Press .






- You can find a number in the phonebook to place a call.
- If you select a number and press , the 'representative number' of the selected person will be dialed.

To place a call with the speed dial function



On the standby screen, press and hold the last digit of a speed dial number.


- You can easily place a call with the speed dial number stored in the phone.

Example :





Speed dial number 17	Press  1, and then press and hold  .
Speed dial number 173	Press  1 and  , and then press and hold  .

To place a call with electronic dialing


Enter a phone number on the standby screen ►  
Enter 'W' or 'P' with , and enter the number to be dialed electronically ► Press .

- You can have the phone to memorize several numbers according to the voice announcement when you use ARS.
- You can cancel the electronic dialing by pressing  at any time during a call.


Example :

	W	The numbers entered after 'W' are transmitted only when you press  or  (Left).
	P	The numbers entered after 'T' are transmitted automatically in a short while.

## Receiving a voice call

If you receive a call, open the folder ► or press .



- If you press and hold the wheel button, the ring or vibration switches into mute.
- To activate the silent operation set on Call Settings, just turn your phone over. Then, ring or mute switches into mute. ('Silent operation', refer to page 130)
- If you want to reject an incoming call, press .
- If you have subscribed to 'Calling Line Identification Presentation' service, the number of the caller is displayed on the screen.


### Note



- You can download background image for incoming calls from NATE, and change it in 'Background' of the 'Display' menu.
- Depending on the size of the downloaded image, it may take time to display the background on the screen.

## Receiving a call with a stereo earphone



If a call is incoming, press the button on the stereo earphone.

- If the call is finished, press  or press the button on the stereo earphone.
- If a call is incoming as the stereo earphone is connected, the stereo earphone rings even if the phone is set to vibrate. The call is continued even if you close the folder during a call.

## Answer Options



Press  (Left) ►  ►  ►  on the standby screen

- You can select the call answering option.

Open phone	Open the folder to receive a call.
Anykey	Press any key except  to receive a call.
Send key	You must press  to receive a call.
After 3 seconds	The call is answered automatically in 3 sec from the ring.

## Using speaker phone

Press  during a call.



-  is displayed when you use the speaker phone. To cancel the function, press  again.
- When you use the speaker phone, the microphone must face the user at a distance not farther than 30cm.
- This function is released automatically after the call is finished



## Adjusting volume

Turn the wheel button during a call.

- You can adjust the volume of the receiving voice.





Menus available during a voice call	
New Message	<ul style="list-style-type: none"> <li>You can send a message during a call.</li> </ul>
Phonebook	<ul style="list-style-type: none"> <li>You can use the Phonebook menu.                             <ul style="list-style-type: none"> <li>The phonebook edit function and some of the menus (call me free) are disabled.</li> </ul> </li> <li>* Call me free: For a call from the registered number, the receiver instead of the caller pays the call charge.</li> </ul>
Record	<ul style="list-style-type: none"> <li>You can record the current call. (You can hear the recorded call in Voice Memo.)</li> </ul>
Mute	<ul style="list-style-type: none"> <li>You can mute my voice during a call.                             <ul style="list-style-type: none"> <li>To release the function, select Unmute.</li> </ul> </li> <li> is displayed if this function is selected.</li> <li>This function is released automatically when the call is finished.</li> </ul>
DTMF Off	<p>The keytone is muted.</p> <ul style="list-style-type: none"> <li>To release this function, select DTMF On.</li> <li> is displayed if this function is selected.</li> <li>This function is released automatically when the call is finished.</li> </ul>

Enter my number	<ul style="list-style-type: none"> <li>You can send your phone number to the other party.</li> </ul>
New call	<p>You can place a call to a third party during a call.</p> <ul style="list-style-type: none"> <li>When the call is connected, the current call is paused. You can switch the call by pressing  (Right).</li> <li>If you press  (Left), you can connect the new call to the party of the current call.</li> </ul>
	<ul style="list-style-type: none"> <li>* The New Call function is not supported if you have not subscribed for the Multi-call service of SKT. Please contact SKT Customer Service Center for details.</li> </ul>

## Using menus in the call list

You can use various convenience functions after selecting a number in the call list.

On the standby screen, press  to select a number.  
▶ Press  (Left)

New Message	You can send a message during a call.
@Mobile messenger	You can exchange messages in real time.
Cyworld	You can access the mobile Cyworld.
Send/Connect	<ul style="list-style-type: none"> <li>e-mail: You can send an e-mail to the selected number.</li> <li>Voice Message Call: You can send a recorded voice message to the selected number. (If you send a message call, you will receive a message call text notice message.)</li> <li>Video Message Call: You can send a recorded video file to the selected number.</li> <li>Call Me Free: For a call from the registered number, the receiver instead of the caller pays the call charge.</li> <li>Number via Message: You can send a number on a message.</li> </ul>

Search Phonebook	If the selected number is stored in the phone/USIM card, you can search the number in the phonebook.
Save	If the selected number is not stored in the phone/USIM card, you can add the number to the phonebook.
Block number	You can reject calls from selected numbers.
Delete	You can delete a selected number, selected numbers, or all numbers.
Select	You can select a number or all numbers in the call list to send a message or to delete.

### Note



- The Send e-mail function is available when your e-mail address and the receivers' e-mail addresses are all registered.



## Using menus after entering a number

You can use various functions after entering a number.

Enter a phone number on the standby screen ►  
Press **⏪** (Left).

New Message	You can send a message during a call.
Save	You can add the entered phone number to the phonebook.
search Number	You can find matching entry in the phonebook with the entered phone number.
messenger	You can exchange messages in real time.
Cyworld	You can access the mobile Cyworld.
Send/Connect	<ul style="list-style-type: none"> <li>• e-mail: You can send an e-mail to the selected number.</li> <li>• Voice Message Call: You can send a recorded voice message to the selected number. (If you send a message call, you will receive a message call TX notice message.)</li> <li>• Video Message Call: You can send a recorded video file to the selected number.</li> <li>• Call Me Free: For a call from the registered number, the receiver instead of the caller pays the call charge.</li> </ul>

Hide My Number	My number is not displayed on the receiver's phone.
Go to Calendar	You can go to the 'Scheduler' screen for the date corresponding to the number entered.

## Missed calls

If you fail to receive incoming calls, the following message is displayed.



- If you press **NATE ON** when the 'Missed Call' message box is displayed, the 'Received Call' list is displayed.
- Or you can view the list by selecting **☰** in the call list.
- You can place a call to the number in the missed call list by pressing **☎**.

## T Service

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## T Roaming

You can set your phone so that it can be used abroad. Without subscribing for any service, you can use the phone abroad.

Press **\*** (Left) ▶ **1** ▶ **1**

### Select system

- 1) Read the caution, and press **NOTE OK**.
- 2) Enter a 4-digit password.
  - The default password is '0000'.
- 3) Select a system
  - If you select Automatic: Roaming service provider will be searched and selected automatically in the priority order.
  - If you select Manual: You can manually select the roaming service provider from the list of the available roaming service providers. (Some of the service providers shown in the searched list may be unavailable to provide the service. If you choose such service provider, you cannot make a call. In this case, you must select other service providers or set the system to 'Automatic'.)
- 4) Press **NOTE OK** after selecting a system.

### Note



- If you wish to change the setting for the T roaming service, please contact the Customer Service Center. Changing the settings at your own discretion may disable the phone.
- Select other service provider in Select System if the call function is not supported normally.
- While using an international call, press and hold **(+)** to enter the international call access symbol (+).

### Roaming auto dial

- This service allows you to automatically check your current location and make a call in the same way as you do in your home country without entering the international call access number and the national code when you make a call from overseas country to domestic country. You can make a call from the number in the contacts or the history list.

### Roaming dual clock

- When you use the phone abroad, the roaming dual clock is displayed on the screen.

### Network Settings

- This function is to set a network while you use the phone roaming abroad.

## M Service Center

You can contact M Service Center to receive various customer support services.

Press **\*** (Left) ▶ **1** ▶ **2**



- On the standby screen, press **\*\*114** and **NOTE OK** to contact the M Service Center.
- You can use various services such as View real time fee, View free call, View charged fee, View point, My information/service in use, View fee used, Supplementary service/rate system, News/weather/fortune/lottery, and Connect to operator.
- If you select [Star Map] at the right top of the main screen of M Service Center, you can receive phone numbers and detailed locations of the businesses near the current location.

## T Service

You can contact M Service Center to receive various customer support services.

Press **\*** (Left) ▶ **1** ▶ **3**

Register	You can access M Service Center to make or cancel subscription for supplementary services.
Remove	
Configuration	You can select available service in M Service Center.
Video Message Box	You can view video messages stored in the mailbox, or change settings on the mailbox.
Traffic News	You can receive information on expressways, railroads, ports and the roads in Seoul.
Number Plus	You can receive another receive-only number.

### Note



- You have to subscribe or apply depending on the type of service. Contact SKT Customer Center or visit [www.tworld.co.kr](http://www.tworld.co.kr) for details.



## NATE

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

Press (Left)

- Enter a keyword on the Search field at the top of the screen, and press to view matching information.
- Press to select 'Favorites', 'Program' or '@Playon' tab.
- Press to select a sub item.
- You can go to 'NATE' directly by pressing on the standby screen.
- You can use various menu functions by selecting an item and pressing (Left).

### Note

- Data call rate and information service fee are charged when you use NATE. Visit M Service Center or contact SKT Customer Center for further details. Contact SKT Customer Center or visit [www.tworld.co.kr](http://www.tworld.co.kr) for details.

### NATE menus

Change order	You can change the order of the icons in the Favorites tab.
Add to Favorites	You can add a site name or URL to Favorites.
Delete	You can delete the selected item.
Delete all	You can delete all registered items.
View icons	You can select icon or list for display of items.
Reset	You can reset the Favorites list.
Set initial cursor	You can select the website to be displayed on the initial screen for wireless Internet.
Management	You can change orders of the contents in the @Playon tab, move folders, edit folders, and view information.
Add folder	You can add a folder to the @Playon tab.
Memory	You can view the number of contents and the memory of the phone.
Default setting	You can return the default settings for the contents in the @Playon tab.

## Favorites

### NATE

- You can access NATE to download various contents including bells, videos and photos, or search information.

### Open net

- Open net is the mobile Internet portal consisting of various Internet sites. You can download free contents, or search sites.

### Buttons available for wireless Internet

(Left)	View browser menus
(Right)	Go to upper layer screen
or	Go to the desired item
	Press: Select/execute Press and hold: Go to NATE main
	Back to previous screen.
	Exit NATE.

## Programs

### @Playon

- You can download various service programs such as games, messenger and stock news from the @Playon site, and run the program without re-accessing NATE.

### MelOn

- You can play or manage music files downloaded from MelOn, or use other services. ('MelOn', refer to page 62)

### Game Box

- You can use games downloaded through wireless Internet or PC.

### W-Intro

- You can use W menus to use various contents such as 'e-mail', 'mobile messenger', 'june video' and 'real-time TV'.



## ⓂPlayon

### Phone theme

- You can manage and make settings with background images downloaded from the mobile Internet sites.

### Mobile Cyworld

- You can use the mobile Cyworld functions on the phone.

### Real-time TV

- You can watch public and cable TV in real time.

### DCD Remocon

- If you select the Home mode for the standby screen, you can view and manage Weather or News contents displayed at the bottom of the standby screen.

### Home Remocon

- If you select the Home mode for the standby screen, you can upgrade the standby screen settings.

#### Note



- If you download content from wireless Internet (NATE, june, ⓂPlayon, etc.) when you have no sufficient free space in the memory, the 'Low memory' message is displayed. In this case, you can use the memory admin function to delete the existing content and continue downloading.
- If the memory is full, some of the menus in relation with the downloaded contents can be disabled.

## W

You can use various contents on the phone, such as e-mail, mobile messenger, june video, real-time TV, T bag, Tossi and june content box.

Press (Left) ▶ ▶

### e-mail

- You can send e-mails or retrieve and manage text, image, photo and attached file of the received e-mails on the phone.

### Mobile messenger

- You can select a person on the phonebook, and exchange messages in real time.

### june video

- You can enjoy various types of content including TV, movie, music, game, sports and ringtone, and download multimedia content using the premium service.

- june service screen and content are subject to change depending on the circumstances of the service providers.
- The default june content provided are not recoverable if you delete them at your own discretion or by mistake.
- You can check the downloaded june content in the june content box. You can download any june content from the web until the june memory gets full.
- If you fail to download a full content, you can resume downloading.
- You can receive a call while using the june service. When the call is finished, the june screen is displayed.
- If you wish to download content when the memory is full, the manager function is started, TSM (memory manager) asks you if you wish to delete the existing content.
- If you download content from wireless Internet (NATE, june, ⓂPlayon, Game Box etc.) when you have no sufficient free space in the memory, the 'Low memory' message is displayed. In this case, you can use the memory admin function to delete the existing content and continue downloading. (You cannot delete the protected contents.)
- If you download content, an information service fee is charged.



## Real-time TV

You can watch public and cable TV in real time.

## T bag

You can manage contents stored in T bag, or save contents from the phone to T bag.

## tossi

- tossi is the wired/wireless community service with which you can share feelings and thoughts with your friends using simple sentences.
- This service incurs call charge. Refer to the rate information or visit the tossi web site (<http://www.tossi.com>) for details.

## june content box

You can access the Wireless Internet, download a music content or MP3 file, or save/manage or play the files downloaded or received by others.

## MelOn

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



- You can manage and play the music content downloaded from june or MelOn.
- is displayed when you use the MelOn player.
- 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.
- You can control volume by turning the wheel button while the content is being played. The phone continues playing music even if you close the folder.
- 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 website ([www.melon.com](http://www.melon.com)).

### Note



- If you download content from MelOn when you have no sufficient free space in the memory, the 'Low memory' message is displayed. In this case, you can use MelOn to delete the existing content and continue downloading.
- A content service fee and a data service fee are charged if you use the MelOn service. See the rate system guide or contact SKT Customer Center for further information.

## Library

- You can view MP3 files in the phone by type.

Play all	Plays all the music contents in the phone.
Playlist	You can sort out contents as you want.
Music box	You can save the downloaded contents.
Artist Album, Genre	You can store music files by artist, album or genre in the Playlist or Music box.
My smart radio	You can save channels from MelOn channel.

Music video	You can save the music video contents.
Language/ audio book	You can save the language and audio book contents
Preferences	You can synchronize contents and set the environment for the memory and the player.

Library menus	
Synchronize	The synchronization function is executed automatically.
Set synchronization	You can set the MelOn menu update, MelOn chart/latest music download functions.
Help	Rate table and main features/settings in related to with MelOn.

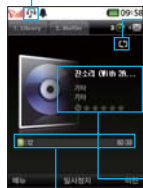
## MelOn

- You can enjoy download music files from [www.melon.com](http://www.melon.com) and enjoy them on the mobile phone.
- You can receive various MP3 files from MelOn.





## MelOn player screen and buttons



- Play mode icon
- : Plays the files in the list repeatedly in the order.
- : Plays files in the list once in the order.
- : Plays files in the list repeatedly in a random order.
- : Plays the current file repeatedly.
- Album
- Progress bar

### Buttons

	View detailed menus
	Move to the previous screen
	Play tool Up: Select the play mode (repeat in order, once in order, repeat in random, repeat one). Down: View play list, or play or delete file Left: Press and hold - Rewind, Press - Play the previous file Right: Press and hold - Fast forward, Press - Play the next file

	Play/Pause
	Go to Library
	Go to MelOn
	Return to the play screen from other screen during content play.
	Move to the message screen.

### MelOn Player menus

Playlist	You can check the list of the contents to be played.
Add to Playlist	The content in play will be added to the playlist.
Preference	You can set the preference level of the content being played.
Content information	You can view information on the content being played
Access MelOn page	Access the MelOn website (disabled during the content play)
Set play environment	Whether the content continues to be played when you close the folder, timer (auto off), light while the content is being played, etc.

## Bluetooth

This short-distance wireless network technology adopts 2.4GHz for wireless communication between various digital devices within a certain range. You can download Bluetooth-based game contents.



- Press to select the Device Connecting, Pan Service, Settings
- Press , and you can make the phone to be connected to / disconnected from the recently connected audio device.
- Press # , and you can display the Bluetooth action setting screen.

### Note


- Description on Bluetooth device contained in this manual is for typical operation method. Detailed method may differ depending on individual device.  
Refer to the user manual of the individual device for details.
- When the Bluetooth function is used, the phone requires more battery power. If you don't use the Bluetooth function, you should disable the function.

Functions		
	Device Connecting	Search Device: Find and connect with a Bluetooth device near the phone. Paired List: Manage the registered devices list and connect the service.
	Pan Service	Download and execute the fan contents.
	Settings	Bluetooth settings, Normal Settings, Pan Setting, My Bluetooth and usage manual
	Connect/disconnect audio device	Connect to / disconnect from the current audio device
	Set Bluetooth action	Set the Bluetooth action of the phone.

\* Refer to Settings ▶ Usage manual



## Setting Bluetooth action

- 1) Press **[@] #** on the Bluetooth screen.
  - If you check 'Discoverable mode' for the Bluetooth mode action, you can enable the Bluetooth function, and allow search from other devices.
  - If you check 'Non-discoverable mode' you can use the Bluetooth function, but search from other devices is not allowed.
  - If you check 'Off mode', the Bluetooth function is disabled, and search from other devices is not allowed.
  - When the phone is in the Bluetooth mode, the Bluetooth icon  is displayed.

## Connecting Bluetooth device

- 1) Select New on the Device Connecting device tab.  
You can select a Bluetooth device type from 'All device', 'Headsets', 'PC', 'Cellular phone', 'Pan Device', and 'Printer'.  
If you wish to search all types of Bluetooth device, select 'All device'.
- 2) Select the target device.  
Select the device from the Bluetooth devices list.  
Pin code input may be required depending on the device.
- 3) Use the service once connected.

## T bag

You can make backup files for the phonebook, photos and text messages on T bag of T World.



- To use the T bag service, you should check the phone models supporting this function on the T world web site, and then, receive SMS authentication through the phone from the T bag site.
- Refer to the service guide or the rate guide, or contact the SKT Customer Center.



## Sound

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## Ringtone Style

You can select the ringtone.



- 1) Press and select the Ringtones list.
  - If you press (Right) in 'Live Bell' or 'My Bell', you can download ringtones from NATE.
- 2) Press to select a ringtone.
  - As the etiquette mode is released, you can adjust the volume of the ringtone by turning the wheel button.
  - You can manage the live ringtones in the Ringtone Box menu of the Content Box. ('Ringtone box', refer to page 80)
- 3) After selecting a ringtone, press .

### Note



In addition to the default ringtones in the phone, you can download various ringtones from the service providers.

## Download Ringtone

You can download various ringtones from NATE.



- 1) Access NATE and download ringtones.
  - The downloaded files are saved in 'My Bell' or 'Live Bell' depending on the type of melody.
  - You can find the downloaded ringtones in the 'Ringtone box' menu of the 'Content box'. ('Ringtone box', refer to page 80)
  - You can cancel the etiquette mode if you press and hold when accessing NATE.

## Downloading ringtones from 700 service

Enter the phone number of the 700 service ▶

- 1) Select a ringtone following the voice announcement.
- 2) Press if the selected ringtone message is received.  
You can download ringtone from NATE, following the instructions displayed.

## Message Alert

You can select the new message tone and the method



- 1) On the Message Alert screen, press to select a tone.
- 2) On the Msg Sound in Call, press to select the alert method.
  - You can select Vibrate, Small Bell or Off
- 3) Press after the selection.

## Call Alert style

You can select ring or vibrate for incoming calls.



- 1) Press to select an option.
- 3) Press after the selection.
  - If the Etiquette mode is on, the phone vibrates for receiving calls even if you change the setting in 'Call Alert Style'. When the Etiquette mode is cancelled, the phone returns to the latest setting.
  - The message alert tone is depending on the message alert setting.

### Ring/vibrate icons

	Ring		Vibrate
	Ring Vibrate		Vibrate then Ring
	Ring Louder		Silent

## Vibrate Style


You can use various types of vibrate.




- 1) On the Vibration Type screen, press to select the vibrate type.
  - You can select various vibrate types with different intervals and rhythms.
- 2) On the Vibration Level screen, press to select a strength.
- 3) Press after the selection.



## Etiquette mode

Press and hold  on the standby screen (Press and hold again to cancel the mode)

-  is displayed on the standby screen.
- You can select the Etiquette mode in order not to be courteous in public places. You can still hear ring through the stereo earphone if it is connected to the phone.
- The etiquette mode is maintained when you switch off/on the phone as the etiquette mode is on.

### In the etiquette mode

**Vibrate Setting/Vibrate:** Power on, ring, alarm, new message

**Mute Setting/No ring:** Power on, ring, new message alert

**No sound:** Ring back tone, power off, out of coverage alert, menu tone, key tone (Same for Vibrate and Mute)




**Emergency ring:** Emergency message alert (The emergency message is provided if there is an emergency broke out in a specific area.) (Same for Vibrate and Mute)

**Sound:** Photo/video tone (Same for Vibrate and Mute)

## Volume

You may adjust volume for each function.



- 1) Press  to select an item.
  - Ringtone: Adjust the volume of the ring for incoming calls.
  - Message Alert Type: Adjust the volume of the new message alert.
  - Effect Sound: Adjust volume of phone operating effect tone.
  - Alarm/Schedule: Adjust the volume of alarm.
  - Missed: Adjust the volume of the missed call alert.
  - Idle Screen: Adjust the volume of the video or the content selected for the standby screen.
- 2) Press  to adjust the volume of the selected item.
- 3) Press  after adjusting the volume.




### Note

- If you adjust the volume (effect sound, Idle screen, alarm schedule, voice, ringtone), the volume menu state is also changed.
- If livescreen is selected for the screen, the standby screen is depending on the june setting. If the live screen sound is set to OFF, no sound is heard. ('june setting', refer to page 131)

## Operation Effects

You can select different alert tones for different situations.



- 1) Press  to select an item.
  - Key Tone: You can select the key action tone.
  - Power On/Off tone: You can select the tones for power on and power off. (If you select 'Off', no power on/off tone is heard.)
  - Folder Sound: Effect tone for folder opening/closing.
  - Battery Warning: You can select the alert for low battery.
  - Call Connected: You can select the tones for call connection/disconnection.
  - 1 minute Beep: You can select the tone provided when the call time passes 1 min.
  - Out of Service: You can select the alert for out of service area.
- 2) Press  to select the tone of the selected item.
- 3) Press  after the selection.

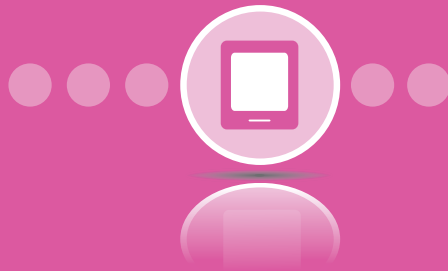
## Missed call alert

You can set the missed call tone and the counter.



- 1) On the Missed Call Alert Select screen, press  to select the alert tone.
- 2) On the Repeat screen, press  to select the count.
- 3) Press  after the selection.





## *Display*

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## Idle/Home Mode

You can select an image or the Home mode for the standby screen.



- In the User configure mode, you can select an image as the standby screen.
- In the SKT Home mode, you can view free Weather/News information provided by SKT.

## Main Display

You can select the image and clock for the standby screen.



## Wallpapers

You can select a wallpapers for the standby screen.

- 1) Press to select an item.
  - You can select an image from Default, Color Theme, Photo, Movie, Live Screen or Downloads

- You can manage Live Screen by selecting 'Menu > Content Box > Wallpaper Box'.
- 2) Press to select an image.
  - 3) Press after the selection.

## Clocks/Calendars

You can select the Clock/Information style for the standby screen.

- 1) Press to select an item.
  - You can select a style from Premium, Stylish, Simple, or remove
- 2) Press to select a style.
- 3) Press after the selection.

### Note

- If you select the Home mode for Widget/Wall, or Color Theme for the wall image, you cannot use Clock/Calendar
- If you select Live Screen or a video for the wall image, the options are limited (Small clock, Arrow key + Soft key, Soft key + Network + User banner, Clock + User banner, and Small arrow key).

## Backgrounds

You can select screen image for each phone function.



Incoming call	You can select the image for incoming calls.
Outgoing call	You can select the image for outgoing calls.
Power On	You can select the image for power on.
Power Off	You can select the image for power off.
NATE	You can select the image for accessing NATE.

## Download Wallpaper

You can download various wall images from NATE.



- You can download wall images from NATE Phone Skin.
- You can find the downloaded images in 'Wallpaper Box' of the 'Content Box' or in 'Phone Theme' of '@Playon'.

### Note

- You can download wall images from NATE until the memory is full.
- It may take time for the phone to display the image on the standby screen depending on the size of the downloaded image.



## Menu Style

You can change the menu style on the screen.



- 1) Press to select a style.
  - You can select the Icon of List.
- 2) Press after the selection.

## My Color

The color of the menu wall changes automatically by time slot.



- 1) Press to select an item.
  - Select Concentrate, Relax, Energetic, All right, Business, Early Bird, Study hard, Night owl, Blue, Green, Yellow or Red.
  - The menu wall color changes by time slot according to the selected life pattern.
- 2) Press after the selection.

## External Call Screen

You can select Anime or Personalized Stationery to be displayed on the external LCD screen during a call.



- 1) On the Type Select screen, press and select Anime, Personalized Stationery, or Releases.
  - You can make Personalized Stationery with up to 10 Korean characters or 20 English characters.
- 2) On the Occurs screen, press to select the frequency.
  - The display frequency for the external screen can be 30 sec, 1 min, 2 min, 3 min, 5 min, or Cancel.
- 3) Press after the selection.

## Font Style

You can change the display of menus on the screen.



- 1) On the Font Type, press to select a font.
- 2) On the Font Size screen, press to select a size.
  - Press (Right) to preview the font size.
- 3) Press after the selection.

## Download Font

You can download various font types from NATE.



- You can find the downloaded font in 'Font Box' under 'Content Box'.
- The font type is applied to the phone as soon as it is downloaded, and is valid until it is expired (You can extend the validity).

## Dialing Font

You can select the number style displayed on the standby screen and the effect tone.



## General style

You can select the style of number displayed when you press a dial button.

- 1) Press to select a style.
- 2) Press after the selection.

## Effect Sounds

You can select or cancel the effect tone for dialing action.

- 1) On the Effect Sounds screen, press to select or cancel the effect tone.
  - Access NATE pressing (Right), and you can download various effect tones.
  - If you have no effect tone downloaded, you can select one from 'Basic Content' only.
- 2) Press after the selection.

### Note

- If you use the effect tone service function, the number style set in Basic style is not applied.

## Backlight Control

You can set the brightness and time of backlight.



- 1) Press on the Backlight Duration screen to set the background light time.
  - You can select the backlight timer between 5 sec, 10 sec and 30 sec.
- 2) Press on the Display Brightness screen to select the brightness.
- 3) Press after the selection.

## Video coloring/lettering

You can use various supplementary functions for video calls.



- The video coloring service displays the image selected by the called party on the caller's phone.
- The video lettering service displays the name or alias of the caller on the called party's phone.

My Setting box	You can set video coloring / lettering with the edited content.
Preferences	You can set environment for video coloring / lettering.
Help	Introduction of video coloring/lettering service, and subscription for the service

### Note

If any one of the following events occurs, the video coloring / lettering call is switched forcefully into a normal call:

- The called party's phone is playing a content, such as video.
- SKT MMS is in service.
- The camera function is in use.
- Voice/video call is in use (such as call waiting)
- If it is difficult to operate the video coloring/lettering player due to a problem of storage, or power management of the phone.
- If the user has selected 'Live Bell Puls' (video bell) as the ring tone.



## Content box

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## Ringtone Box

You can find ringtones downloaded from NATE by list (Live Bell, My Bell).



### Live Bell

You can check and manage live ringtones downloaded from NATE.

- Press (Left), and select the functions such as 'Set Live Bell', 'Delete', 'Manage content' and 'Delete all'.
- Press to move the cursor up or down on the list.
- You can play the selected live bell ring by clicking (Right).
- You can select 'Live Bell' or 'Live Screen' by pressing .
- Any content which is not completely downloaded cannot be played. You can resume downloading by pressing (Right).

### My Bell

You can check and manage ringtones downloaded from NATE.

- If you press (Left), you can use the functions such as 'About ringtone' and 'Delete'.
- Press (Right), and you can download ringtones from NATE.

### Message Alert Type

You can check and manage new message alert tones downloaded from NATE.

- If you press (Left), you can use the functions such as 'About ringtone' and 'Delete'.
- Press (Right), and you can download ringtones from NATE.

### Download Ringtone

You can download various ringtones from NATE.

- You can find the downloaded ringtones in 'Live Bell', 'My Bell' or 'New Message Alert' depending on the type of ring.

## Wallpaper Box

You can find walls downloaded from NATE.



### Downloads

You can check and manage walls downloaded from NATE.

- If you press (Left), you can view settings and image data of the selected content.
- If you press (Right), you can download wallpaper from NATE.

### Live Screen

You can check and manage live screen images downloaded from NATE.

- If you press (Left), you can use the functions such as 'Set display', 'Delete', 'Manage contents' and 'Delete all'.
- Press to move the cursor up or down on the list.
- If you press (Right), the Live Screen video is played,

- You can select 'Live Bell' or 'Live Screen' by pressing .
- Any content which is not completely downloaded cannot be played. You can resume downloading by pressing (Right).

### Download Wallpaper

You can download various wall images from NATE.

- The downloaded wall images are stored in 'Downloaded Wall' or 'Live Screen' depending on the type of images.

## Effect Sounds

You can check the effect tone/image contents.



- You can check the default contents and the contents downloaded from NATE.
- Press (Left) to view and delete (contents from NATE only) the selected contents.
- Press (Right), and you can download effect tone contents from NATE.



## Photo/Movie Album

You can find photos or videos taken with the phone.



### Photo album



- 1) Select a folder from albums 1~3 and press .
  - Press (Left), and you can use 'Change Album name' function.  
You can set the folder as the basic folder with (Right).
- 2) Select a photo
  - Press (Left), and you can use the functions such as Send to message, Send/Register, Set as Standby, Create Slide, File Move, File Info/Manager, File View, File Sort, Delete
  - Select a photo with (Right), you can use various functions.

### Video album



- 1) Select a folder from albums 1~3 and press .
  - Press (Left), and you can use 'Rename Album' function.  
You can set the folder as the basic folder with (Right).
- 2) Select a video file.
  - Press (Left), and you can use the functions such as Send to message, Send/Register, Set as Standby, File Move, File Info/Manager, File Sort, Delete
  - Select a video with (Right), you can use various functions.
  - Any video file of 950 kbyte or smaller or the video file recorded in the video mail mode can be transmitted on an MMS message. Note, however, that sending a video file on MMS will incur extra data fee.

## MMS Content Box

You can check and manage contents which may be attached to messages.



- You can download photos, Movie files, music/voice files, image, animations and latest contents from NATE shop.
- Press at the top of the screen and you can access NATE to download contents.

## mPlayon

You can use the downloaded contents without re-accessing NATE.



- If free memory space is not sufficient, you can download contents after deleting the existing contents.
- You can receive calls while using a content, and return to the content after the call is finished.






Phone theme	Wall contents folder
Mobile Cyworld	You can use Mobile Cyworld functions
Real-time TV	You can watch public or cable TV in real time
DCD Remocon	If you select the Home mode for the standby screen, you can check and manage Weather and News contents.
Home Remocon	If you select the Home mode for the standby screen, you can upgrade or reset the standby screen settings.



## june Content Box

You can save, manage or play musical contents received from others or downloaded from the Internet.



- After selecting a content with , you can play the content by pressing  (Right).
- You can download contents until the memory becomes full.
- You can receive calls while using a content, and return to the content after the call is finished.
- You can adjust volume by turning the wheel button while content is being played. The phone keeps playing the music even when you close the folder.
- You can set a repeat section by pressing . If you press  again, the selected section is repeated (for vertical play).
- You can use the 'Play Mode' function by pressing  (Left) while the phone is playing content.

### Note



- If you download content from wireless Internet (NATE, june, @Playon, etc.) when you have no sufficient free space in the memory, the 'Low memory' message is displayed. In this case, you can use the memory admin function to delete the existing content and continue downloading.
- You can listen to music contents through Bluetooth.

## NATE Player screen and menus



### Screen

1	Icons used to play contents
2	The last played content folder
3	Display menus
4	Select a function
5	Display the list of albums selected by you
6	Display all the contents in the june content box
7	Content play time
8	Content file size
9	Play content

### Menus

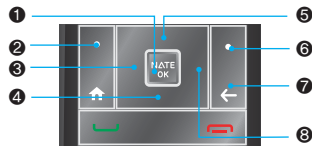
Delete	You can delete the selected content.
Add to album	You can save selected contents in My Album.
Change sequence	You can change the order of contents to be played.
Manage content/ lyrics	You can rename content, set/clear lock, delete, view information, and update lyrics list.
Sort	You can resort files by type or by date.
Delete all	You can delete all contents.



## Buttons for playing music contents

For vertical play

On the NATE Player screen, select a content, and press **⏸** (Right).



Button description	
1	Pause/Play
2	Menu
3	Press: Play previous song Press and hold: Rewind
4	Horizontal view (full screen)
5	Set repeat section
6	Go to list
7	Stop (Move to upper menu)
8	Press: Play next song, Press and hold: Fast forward

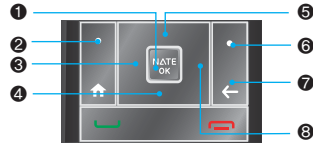
For horizontal play

On the vertical view, press **⏸**.



### Note

- You can adjust volume by turning the wheel button while playing content. You can pause the content by pressing the wheel button.
- The music is played even if you close the folder while playing content. The external LCD displays information on the content in play, and disappears as in a few seconds.
  - If you press and hold the wheel button, the external LCD displays information on the content in play again.
  - When the external LCD displays information on the content in play, you can adjust volume by turning the wheel button, play the next song by pressing the wheel button, or stop playing the content by pressing and holding it.



Button description	
1	Pause/Play
2	Menu
3	Vertical view
4	Press: Play next song, Press and hold: Fast forward
5	Press: Play previous song, Press and hold: Rewind
6	Go to list
7	Stop (Move to upper menu)
8	Set repeat section



## Music Store

You can manage and play music contents downloaded from MelOn.



- You can view, manage and play songs by type ('MelOn', refer to page 62).

## Game Store

You can view and play games stored in the phone.



Flash game	You can play the default games in the phone.
Playon	You can play the contents downloaded from NATE without re-accessing NATE.
Game Box	You can view and play the games downloaded from Game Zone.

## Font box

You can view and manage fonts downloaded from NATE.



- When checking the downloaded font, you can view information, extend period or delete font by pressing (Left).
- If you select Font Download, you can download fonts from NATE.

## Bluetooth Box

You can view or play the contents downloaded from Fan Service.



- Select a content, and press  to play it.

## Memory Manager

You can check information on internal memory and USIM card memory.



- If you select Internal memory or USIM card memory, the total, used and free memory are displayed.



## My Moto

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## TV (T-DMB)

You can listen to the radio or watch TV in real time on the phone.



### Before Use

- The TV (T-DMB) is provided in vertical screen.
- When watching TV (T-DMB), make sure to connect the stereo earphone that works as an antenna.
- If a call is incoming during watching TV (T-DMB), the call select screen appears. After the call is finished, the TV screen is displayed again.
- Due to the frequency characteristics, TV (T-DMB) signal can be affected by electromagnetic waves from other electronic devices. Therefore, keep the phone apart from other electronic devices.
- If you first use the TV (T-DMB) function or if no channel is saved as you move, the channel search screen is displayed. You can search and save channels by selecting an area (whole country or Seoul area).

### TV channel

You can select a TV channel from the broadcasting channels list.

### Radio channel

You can select a radio channel for the broadcasting channels list.

### Contents box

You can watch the content recorded or captured from TV program.

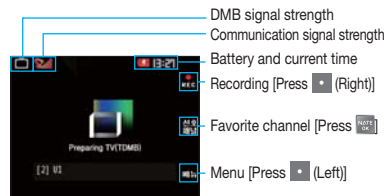
- You can play and manage recorded TV program.
- You can view and manage images captured from TV program.

### Settings

You can set the environment in relation with TV (T-DMB).

Brightness	Select the brightness of DMB TV screen.
Last channel	When you start the DMB function, the last channel accessed is displayed on the screen.
Close folder	The DMB function continues when the folder is closed.

### How to enjoy TV (T-DMB)



- You can select a channel from the channels list.
- Press (Right) to record the current program. The recording time is displayed. Press (Right) again to save the recording in Recorded Video in the TV Box.
- Press NOTE OK to select the preset favorite channel.
- Press or turn the wheel button to adjust the volume.
- Press to select a channel.
- Press the wheel button to capture the screen, and save the image in Captured Image in the TV Box.
- Press (Left) to use menus.

Menus	
Calling	You can make a call, send a message, search phone numbers and check the call list while watching TV.
Speaker	You can hear TV through the speaker phone.
Capture	You can capture the current image, and save in Captured Image in the TV box.
Sleep Timer	You can set the timer so that TV (T-DMB) function is automatically closed.
Add to Favorites	You can add the current channel to the favorite channels list.
Help	You can read the guide for the buttons for the TV (T-DMB) function.





## Before Use

- It is recommended to take the photo of the stationary object.
- Hold the camera with both hands to prevent shaking.
- Use a soft cloth to clean the lens. The lens is easily scratched.
- The camera function increases battery consumption.
- Take the photo in bright indoor/outdoor environment.  
When taking a photo at night or in a dark place, set the light as bright as possible.

### Caution

- Do not take a photo or video which may intrude other person's privacy. You may have to compensate for intrusion of privacy.
- Taking and distribution of a candid photo via the 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 discretion.
- Use the camera in a safe place. Avoid the magnetic waves, heat, or volatile material.
- Be careful that dust or sand should not infiltrate into the phone's camera lens.
- The camera lens is weak to impact. Do not drop the phone or give strong impact.
- Avoid direct sun light when using or keeping the phone. The Camera lens can be damaged due to strong light.
- Moisture may be collected inside the lens due to sudden change of temperature.  
In this case, switch off power, and dry the phone completely before using the camera.

## Take Photo

If you press and hold on the standby screen, the preview screen appears, on which you can take the photos.



### Buttons for camera function

	Zoom in/out the subject (for 480x640 only)
	Adjust brightness of the photo.
	Take photos
	Select menu.
	Go to Photo album.

- 1) Press or the wheel button to take a photo.
- 2) On the confirmation dialog, press .
  - Press (Left), and you can send the photo to T bag.
  - Press (Right), and you can send the photo on MMS. (The file is named automatically.)
  - If a call is incoming while you are taking a photo, you can answer the call. When the call is finished, the phone does not return to the camera mode.

### Note

- On the preview screen, you can select the camera mode (Camera, Movie, Movie Mail, VT Movie, Self VT Movie, Self Movie Mail, Self Movie, Self Camera)

### Camera menus

Contrast	You can adjust Contrast of a photo.
Resolution	You can set resolution of a photo.
Smile Shot	The camera automatically recognizes human face.
Special Effects	You can use various special effects. (If you have set the special effect function, you can apply the Face recognition effect, Race recognition filter, Frame, Filter, Reverse effect by pressing . If you press , you can select various options for each effect.
Serial	The camera takes continuous photos.
Timer	The camera takes a photo when the timer expires.
Night Capture	You can select the night photo settings.

## Record Movie



### Video buttons

	Zoom in/out subject
	Adjust brightness
	Take video
	Select menu
	Go to video album

- To record a video, press or the wheel button.
- After finishing recording, press or the wheel button. You can save the video file by pressing or the wheel button again.
  - Press , and you can send the file on MMS.
  - Press , and you can preview the recorded video.

### Note



- The recording time can be different depending on the memory.
- If you close the folder while taking a video, the recording is finished, and the recorded video is not saved.
- If a call is incoming while taking a video, you can receive the call by pressing . The video file is automatically saved in the Video album.
- After the call, the screen is switched to the video preview.
- Any video file of 950kbyte or smaller or the video file recorded in the video mail mode can be transmitted on an MMS message.
- On the preview screen, you can select the camera mode Movie, Movie Mail, VT Movie, Self VT Movie, Self Movie Mail, Self Movie, Self Camera

### Video menus

Contrast	You can adjust Contrast of a video
Resolution	You can set resolution of a video
Filter	You can apply various colors and filter effects

## Photo album



- Select a folder from Albums 1~3 and press . You can view and manage the photos.
  - If you press , in the photo preview mode, you can access Photo album.
- Select a photo and press to view the photo.
  - By pressing , you can enlarge a photo. For the photo of 300x400 or larger, you can enlarge or reduce the photo by turning the wheel button. You can move position with or .
  - By pressing , you can use various edit functions, such as crop, resize, rotate, add effect, and add frame. (Except captured photos)

### Photo album menus

Send to message	You can attach a photo to the MMS message
-----------------	---

### Send/ Register

- You can use a photo for various functions.
- e-mail: You can attach a photo to an e-mail
  - T bag Upload: You can send a photo to T bag in SKT
  - Cyworld Upload: You can send a photo to Cyworld homepage
  - Send via Bluetooth : You can send photos via Bluetooth
  - Bluetooth Print: You can printout photos by connecting the phone to the printer via Bluetooth

Set as Standby You can set a photo as a wallpaper

Create Slide You can select photos to make slide show

File move You can move photos between folders

File Info/ Manager You can view information of the photo, rename the file, or set protection/lock.

View files You can select the view method of the photos in the selected folder

Files sort You can select the sort method of the photos in the selected folder

Delete You can delete a selected photo or all the photos in a folder except the protected ones

※ An information service fee or an additional data fee is charged when you send a photo with an MMS message or with e-mail, or send a photo to Cyworld homepage.





## Video album



- 1) Select a folder from albums 1~3 and press .
  - You can play and manage the video files.
  - If you press (Right) in the video preview mode, you can access Video album.
- 2) Select a video file and press .

### Video album menus

Send to message	You can attach the selected video file to an MMS message (only the video files of 950kbyte or smaller or those recorded in the video mail mode)
Send/ Register	You can send the selected video through Bluetooth
Set as Standby	You can set the selected video to the wall
Set as Ringtone	You can set the selected video to the video ringer
File Move	You can move video files between folders
File Info/ Manager	You can view information of the video, rename the file, or set protection/lock
File view	You can select the view method of the videos in the selected folder
File sort	You can select the sort method of the videos in the selected folder
Delete	You can delete a selected videos or all the videos in a folder except the protected ones

### Video buttons

	Pause/Play
	Set repeat section
	Stop (Move to upper menu)
	Rewind
	Fast forward
	Play the previous video
	Play the next video
Wheel button	Adjust volume

#### Note



- If the phone is in the etiquette mode while playing a video, you cannot increase the volume unless you cancel the etiquette mode.
- Once you cancel the etiquette mode to play a video, the phone does not return to the etiquette mode when the video function is exited.
- If a call is incoming during playing a video, the answer screen appears. After the call is finished, the play screen is displayed again.

## Mobile Cyworld

- You can access Mobile Cyworld and upload photos and videos.
- This service incurs service charges. Please contact the service provider for details.

## T bag

You can save and manage photos in T bag in the T World web site. Visit [www.tworld.co.kr](http://www.tworld.co.kr) for details.

## tossi

- tossi is the wired/wireless community service with which you can share feelings and thoughts with your friends using simple sentences.
- This service incurs call charge. Refer to the rate information or visit the tossi web site (<http://www.tossi.com>) for details.



## Photo frame

You can use the photo frame function to produce interesting photos.

### Taking framed photos

You can take the framed photos.



1) Press **NATE OK** or the wheel button.

- The photo frames are updated monthly without charge. You can download the new frames from NATE.
- Press **NATE OK** to select a photo frame.
- Press **NATE OK** (Right) and adjust distance with **NATE OK**, and the brightness with **NATE OK**.

2) Press **NATE OK** to save the photo.

- Enter the name and press **NATE OK** to save the photo.

### Photo frame menus

Frame box	You can store and manage the frames downloaded from NATE
Framed photo album	You can store and manage the photos
Save frame	You can save the selected frame
Up/down reverse	You can reverse a photo up/down.
Download frame	You can download frames from NATE.
Help	You can view guidelines on the photo frame service.
Agree to receive information	You can agree to receive information on the updated photo frames

- ※ If you use auto-updated frames without purchasing, you should pay the information service fee every time you save a framed photo.
- Downloading a frame incurs call charge and information service fee.

### Framed photo album

You can view and manage the framed photos.

1) Select a framed photo, and press **NATE OK**.

- If you press **NATE OK** (Left) in the list, you can use the functions such as Delete, Delete all, Rename photo and Set to wall.

## Video Coloring

- The video coloring service displays the image selected by the called party on the caller's phone.
- The video lettering service displays the name or alias of the caller on the called party's phone.

## T Live Flashcon

- You can view flashcons and substitutive image, download flashcons from NATE, and use it as a substitutive image.

## Settings

- You can set the environment in relation with taking photos or videos.

Location Information	You can add the location Information.
Autosave	You can save photos and videos automatically or manually
Call in Recording	You can select the call receiving method while taking video

## Help

You can read the camera button usage guide.

## Human Networks

This service helps you contact people on the phonebook periodically, and shows the people you contact frequently.



- Press **NATE OK** (Left), and you can use the functions such as Set Reminder, Help and Reset contact count.
- Press **NATE OK** (Right), and you can Search and add a person to the network.

### Note

- Press the wheel button on the standby screen, and you can use the networking functions.
  - If you press **NATE OK**, you can see the list of people in your network, and the last contact info. If you select a person and press the wheel button, you can get detailed data.
  - If you select a person and press **NATE OK**, you can place a call. If you press **NATE OK** (Right), you can send a message.
  - If you press **NATE OK**, you can select a person in the phonebook, and add the person to your network.



## Favorites

- You can view and manage people in your network
- Press (Left) to change contact cycle, to cancel network management, to use functions such as Edit Frequency, Remove, Monthly Graph, Outgoing/Rec. Graph or Reset Contact Count, or press (Right) to send a message.

## TOP50

- You can check and manage people you contact frequently .
- Press (Left) to change contact cycle, to cancel network management, to use functions such as Edit Frequency, Remove, Monthly Graph, Outgoing/Rec. Graph or Reset Contact Count, or press (Right) to send a message.

## Today's Contact

- You can check and manage people you should contact today.

## E-book

You can read text files on the phone.  
See HELP for how to use the function.



- 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.
- If you press (Left), you can use various functions such as Landscape, Auto Page, Go to page, Search by Word, Dictionary, font/scene select, Help

### E-book buttons

(Left)	Menu
Press ( ) or turn the wheel button	Move line
Press  or the wheel button	Next page
(Right)	Previous page
	First page
	End page

## Dictionary

You can search words with the English-Korean/Korean-English dictionary.



### English-Korean

- As you enter English characters, the words starting with the entered letters are displayed.
- Select a word and press to view description.
- You can Tab On/Off by pressing (Right).  
You can select a word in the description with or , and search the word by pressing .
- Press to return to the previous keyword.

### Note

- When you search words with English-Korean, Korean-English, English-English or ToEIC dictionary, you can use the functions such as Go to Kr-En Dict. (Go to En-Kr Dict for Korean-English dictionary), Add to My Vocab, My History, My Vocabulary function by pressing (Left).

## Korean-English







- As you enter Korean letters, the words starting with the entered letters are displayed.
- Select a word and press to view description.
- You can Tab On/Off by pressing (Right).  
You can select a word in the description with or , and search the word by pressing .
- Press to return to the previous keyword.

## English-English





- As you enter English characters, the words starting with the entered letters are displayed.
- Select a word and press to view description.
- You can Tab On/Off by pressing (Right).  
You can select a word in the description with or , and search the word by pressing .
- Press to return to the previous keyword.






## TOEIC

- You can learn the frequently used words in TOEIC.
  - Select a word and press  to view description.
  - You can Tab On/Off by pressing  (Right).
- You can select a word in the description with  or , and search the word by pressing .
- Press  to return to the previous keyword.

## My Vocabulary

- You can save words you have searched in dictionaries.
- When searching words in dictionaries, press  (Left) and select the Add to my dictionary note.
- Up to 1000 words are stored in a folder..
- When reading the stored words, press  (Left), and you can use the functions such as Delete (Delete, Delete all), Move to, Sort (in English/Korean alphabetic order, and in the order of date), Folder Manager (rename folder, folder lock), Select (select, select all).
- If the select function is used, press  (Right) to select multiple words, and press  (Left) to use the functions such as Move to, Select all, Unselect All and Delete.

## History

- You can view and manage the words you have searched before.
- If the memory is full, the words are deleted automatically from the oldest message.
- Press  (Left) on a previous keyword, and you can use the functions such as Add to vocabulary note, Delete (delete, delete all), Select (select, select all).
- If the select function is used, press  (Right) to select multiple words, and press  (Left) to use the functions such as Add to My Vocab, Select all, Unselect All, and Delete.


## Settings

- You can activate/deactivate the word auto save function, select font size and set the previous keyword lock.

## File viewer

You can view document files (PDF, Text, HTML, Word, Excel, Power Point, HWP) stored in the internal memory.












- In order to use the File Viewer function, you should save a file in the phone, using the PC Sync program. You can download the PC Sync program from the Motorola homepage ([www.motorola.com/kr/consumer](http://www.motorola.com/kr/consumer)).
- Select a file in the list and press  (Left) to use Delete, File name/information, Sort folder/file and Bluetooth function.

### Note



- Displayed file may be different from what you see in the PC and some of the images may be omitted. Also, the file may not be displayed properly depending on the format and the size of the file.

### Button description

 (Left)	Check Help
 (Right)	Rotate screen
	Hide menu
	Move to Upper level
 1	Press to go to the previous page Press and hold to go to start page
 2	Set to screen
 3	Press to go to the next page Press and hold to go to the end page
	Previous file
	Next file
Wheel button	Zoom in/out



## Subway Map

The phone provides the nationwide subway route map. Information may change without prior notice.

※ This phone contains the Seoul Metro map.

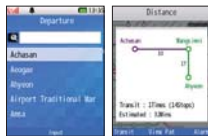


### Viewing map



- You can enlarge/reduce the map with the wheel button.
- Or you can scroll page with or .
- Press (Right) to search route. Refer to 'Searching route' for details.
- Press (Left), and you can use the functions such as Station info, Lost Property Office, Main Route Map and Searched Path.

### Searching route



- 1) Press (Right) on the subway map screen.
- 2) Select the Departure station.
- 3) Select the Arrival station.
  - The route, number of transfers between lines, and expected time taken are displayed on the screen. The expected time to destination includes the time taken to move between stations and to transfer between lines (approx. 5 min), and may vary depending on the situation.
  - When viewing the searched route, press (Left) to view the route with the minimum transfer, (Right) to arrive alert, and to find the detailed route..

## Flash Game

You can enjoy various flash games on the phone.



### Fishing Master

- You can play the fishing game on the phone. To find out the gaming method and others, press during the game to see Help..

### Natural Golfer

- You can enjoy the feeling of real golf shots with this game. See HELP for how to play the game.

### Flying PengPeng

- In this game, you can jump up piles of stepping stones. See HELP for how to play the game.

## Auto Answering

If you are in the situation not to answer incoming calls, you can forward the calls to the auto answering function.



### Note



- You can answer the call by pressing or while the caller is recording a message with the auto answering function. The message recorded by the caller before you answer it is automatically saved in auto recorded message.
- If a caller leave a recorded message the 'Missed call' and 'Auto recorded message' are displayed on the screen.
- The 'No space for recording' message is displayed if the memory is low.

### Auto Recorded Message

- You can listen to the message recorded with the auto answering function.
- Press (Left), and you can delete the selected record or view name/information..



## My Greeting

- You can record the auto answer announcement.
- If you record a new greeting, the existing one will be deleted.
- After finishing recording, press  (Right) to check the announcement.
- After recording greeting, 'Announcement' of 'Set Auto Reply' must be selected as 'My Announcement'.
- Press , and you can reset the recording.

## Settings

On	Select/deselect the auto answering function.
Greeting	Select a auto answer announcement
Speaker Phone	You can hear the voice recorded by the caller as the auto answering function is on.

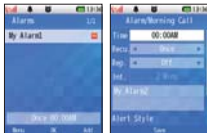


## Organizer

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## Alarm/Morning Call

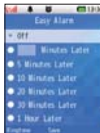
You can set the phone to ring at the designated time.



- 1) Press (Right).
- 2) Set the options.
  - If you select 'Daily' in the 'Recu.' field, you can select a day of the week. Press (Right) to select a day of the week, select a time, and set the alarm.
  - You can input memo with up to 15 Korean characters or 30 English characters. The memo is displayed when the alarm rings.
- 3) Press after finishing the setting.

## Easy Alarm

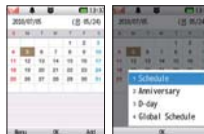
You can set the alarm to ring when the timer expires.



- 1) Select a timer.
  - The default is 'Off'.
  - You can enter the timer between 1~999 minutes.
  - You can select the ringtone by pressing (Left).
- 2) Press to save the simple alarm setting.
  - The alarm rings once when the selected timer expires. The alarm is cleared after it rings once.

## Scheduler

You can view calendar by day, month or year, and check the schedule.



- Select a date, press (Right), and set Schedule, Anniversary, D-Day or Global schedule.
  - Scheduler: The phone provides the alert and displays the memo at the selected time and interval until the end date.
  - Anniversary: The phone provides the alert and displays the memo at the selected anniversary.
  - D-Day: The number of days to or from a specific day is displayed on the standby screen, and the alert tone rings at the D-day.
  - Global schedule: You can set the schedule by comparing the time of the selected city and the current time of the phone.
- Select a date, press , and you can view the schedule.
- Press (Left), and you can use various menu functions.

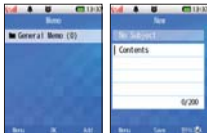
Menus	
View	You can select the monthly, weekly, daily or hourly schedule screen.
View Type	You can view the schedule by category (Schedule, Anniversary, D-day, Global schedule).
Go to specific date	You can go to the month of the selected date.
Search Schedule	You can search schedules with a keyword.
Delete	You can delete the schedule (monthly, past, all)
Help	You can view the guide on buttons for the calendar/schedule function.

※ The menus may vary depending on the display type. The selected display type is maintained after the scheduler function is closed.



## Memo

You can save up to 50 simple memos in the phone.



- 1) Write a memo by pressing **(Right)**.
  - You can enter up to 100 Korean characters and 200 English characters in a memo.
  - You can attach a photo to a memo by pressing **(Left)**.
  - You can edit a memo by pressing **MNO OK**, or send or delete it with **(Left)**.
- 2) Press **MNO OK** after writing a memo.
  - If you press **(Left)** on the memo list, you can use various functions such as Search memo, Add folder, Delete, Move, Set memo, and Set BG Image.

## Voice Recorder

You can record and retrieve voice or sound.



### Recording voice memo

- 1) Press **(Right)**.
- 2) Press **MNO OK** to record memo. Press **MNO OK** to stop recording and save the memo.
  - During recording, you can cancel the recording by pressing **(Left)**.
  - If there is an incoming call during recording, the voice recorded until the call is incoming is saved automatically. You can retrieve the recorded memo in 'Voice Memo List'.
  - If you select 'Record voice memo' when the memory is low, a message 'No free space for recording' is displayed. You can record voice memo after deleting files in the 'Voice Memo List'.

### Voice memo list

- You can play and manage the voice memo files.
- If you press **(Left)**, you can delete or manage voice memos.

## Timer

You can set the alarm timer.



- You can set timer between 00:00~24:00.
- Press **(Left)**, and you can set My Timer and select a ringtone.

## Stopwatch

Using lap time (the function that saves time in a flash), you can measure time, and save up to 20 lap times



- Stopwatch continues after you close the folder.

Menus	
<b>MNO OK</b>	Start/Pause/Resume
<b>(Right)</b>	Reset (to previous screen)
<b>(Left)</b>	Counting: Lap time

## World Time

You can display the current time of the major cities in the world (50 countries).



- You can select a city on the world map screen or by pressing **(Left)**, **(Left)**. Press **MNO OK** and you can save the time of the selected city as the world time.
- Press **(Left)**, and you can set the summer time of the selected city.
- Press **(Right)**, and you can view details of each city.





## Calculator

You can make simple calculation with the phone.

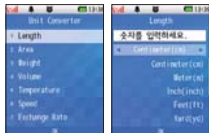


- You can reset the calculator by pressing (Right).
- When entering numbers or symbols, press to delete a character, and press and hold to delete all.
- You can use the mathematical signs more than once in a calculation.



## Unit Converter

You can easily convert various units.



- 1) Select an item.
  - Select Length, Width, Weight, Volume, Temperature, Speed, or Exchange rate.
- 2) Enter the value you wish to convert on the figure input field.
- 3) On the source unit select field, press to select the source unit.
- 4) Press .
  - Various target units are displayed.

### Note

- The phone contains the exchange rate of the date before it is released. You can enter exchange rates.  
[To change exchange rate, move to the source unit select field, and press (Right).]

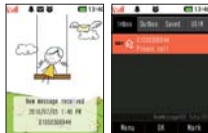


## Message

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## Message Box

You can manage the received messages in the phone.



- If you receive a message, the new message icon is displayed on the standby screen. The new message is placed at the top of the list.
- If a message contains the phone number, you can place a call to the number by pressing .
- If you press when receiving a voice message, you are connected to the voice mailbox, and can listen to the recorded voice message.
- If you press when reading a message, you can scroll the message.
- You can enlarge/reduce the text message screen by turning the wheel button.

### Note



- If the Inbox capacity for received messages is exceeded, the existing messages are deleted automatically from the oldest message.
- You can set the standby screen to show the content of the new message by selecting 'Show msg. details' in 'Settings' ('Settings', refer to page 122).

## Inbox

- Select a message, and press to read the message.
- If you select a message attached with content, the phone automatically plays the content.

### Inbox icons

	New SMS		Retrieved SMS
	New MMS		Retrieved MMS

### Inbox menus

Reply	You can send a reply to the sender of the message.
Delete	You can delete the selected message.
Forward	You can forward the selected message to other person.
Save/move message	You can send the message to a message box or the USIM message box.
Save phone number	You can save the phone number.
Mobile messenger	You can chat with mobile messenger in real time.
Video call	You can send a video call to the selected number.
Sort/search message	You can change the message sort order and search messages.
Regstr/Rpt. spam	You can register and report spam numbers.
Delete all	You can delete all messages in the inbox
Online inbox(free)	You can access NATE mail box.

※ Menu items can vary between SMS and MMS.

## Outbox

- You can read and manage the sent messages, temporarily saved messages, and send failed messages.
- Select a message and press to read the message.

### Outbox icons



	Temporary messages
	Sent DMS messages
	Sent MMS messages





Outbox menus	
Delete	You can delete the selected messages.
Forward	You can forward the selected message to other person.
Save phone number	You can save the phone number in the phonebook.
To msg. archives	You can save the selected messages in a message box.
Move to USIM	You can save the selected messages in a USIM message box.
Search message	You can search messages with name, number or content.
Delete all	You can delete all messages in the Outbox.

※ Menu items can vary between SMS and MMS.

## Saved

- You can read and manage saved messages from Inbox and Outbox.
- For the sent messages, press  (Left), and you can use the functions such as Delete, Forward, Save phone number, Move to Outbox, Search message and Delete all.
- For the received messages, press  (Left), and you can use the functions such as Reply, Delete, Forward, Save/Move message, Save sender's phone no., Mobile messenger, Video call, Search message and Delete all.



## USIM

- By selecting 'Move to USIM' in the Inbox or Outbox, you can read and manage messages.
- For the sent messages, press  (Left), and you can use the functions such as Delete, Forward, Save phone number, Move to Outbox, Search message and Delete all.
- For the received messages, press  (Left), and you can use the functions such as Reply, Delete, Forward, Save/Move message, Save phone number, Mobile messenger, Video call, Search and Delete all.

## New Message

The integrated MMS function enables you to attach content to a long text message, and send to a mobile phone.



- On the standby screen, press and hold , and the message window appears.
- You can answer a call while you are writing a message, and return to the message window after the call is finished.
- You can attach 3 images (photo/picture), 1 music file and 1 video file on a message.
- After writing a message, you can preview the message by pressing .

※ MMS is SKT's new multimedia message service integrating SMS and color mail.

### Note







#### MMS fee

- For MMS, different MMS rates are charged depending on the type of MMS (Text / Multimedia). Please contact SK Telecom for details on the rate.

## Menus on the message screen

- Every time you press , the text input mode changes (Korean, Symbol, Number, English upper/lower case).



### Menus

Font color	You can select a font color with  or  .
Aniticon	You can download aniticons from NATE, or send selected aniticons on a message.
Text emoticon	You can move between pages by pressing  , and enter emoticons by entering the numbers.
Add number	Select a phone number on the phonebook, and press  to enter the number on the message screen.



Used word	You can select and enter a frequently used sentence on the message. (You can edit the sentence in Preferences.)
Avatar Settings	The sender's character or photo is used for the new message alert.
Save as draft	You can save messages in the Outbox.
Preview	You can preview messages you have written.
Enlarge/Compress	You can enlarge/reduce characters by turning the wheel button.


## Attachment

Select , and then, press .

- You can attach contents to the messages.
- You can find and manage contents in the Attachment box.

Attach photo	You can attach photos in the Attachment box to a message.
Take photo	You can take photo, and attach it to a message.
Attach movie	You can attach a video file in the Attachment box to a message.
Film movie	You can record video, and attach it to a message.
Attach Image	You can attach a photo downloaded from NATE to a message.
Attach music/voice	You can attach a music or voice file in the Attachment box to a message.
Record voice	You can record sound and attach it to a message.



## Selecting paper

Select , and then, press .

- You can select a mail paper.


Image paper	You can select a picture stored in the phone and set the picture as the mail paper.
My photo paper	You can select a photo stored in the Photo Album and set the photo as the mail paper.
Color paper	You can select the background color of the paper. (Note that the content might not be identified if the letters are written on the paper of the same color.)
No paper	You can use a white paper.
Download content	You can access the NATE content shop and download the latest content.

## Message Settings

Select , and then, press .

You can request confirmation for the message, select other receivers, and reserve transfer.

### Menus on recipient field

- Press  (Left) and use the functions such as Search by name, Call history, Search by group, Input e-mail add, Save as draft or Preview.



## Mobile Messenger

You can the real time messenger function without registering friends.

• (Left) ▶ 7 ▶ 3

- If you press (Right), you can add an entry by searching name/number or entering number.
- If you press (Left) on the contact list, you can use the functions such as Chat, Group Chat, Delete, Message box, SMS management, Preferences, Help, and Receive latest version.

### Note

- See Help for the mobile messenger service fee and further details.

## e-mail

You can send/receive or manage e-mails on the phone.

• (Left) ▶ 7 ▶ 4

- You can attach photos to the e-mail.
- You can view text, image and attached file of the received e-mail.

### Note

- You should register the e-mail account and pay the service charge to use the e-mail service.

## Upload Messages

You can save and manage text messages from the phone in T bag of T World.

• (Left) ▶ 7 ▶ 5

### Note

- To use the T bag function, you must be a member of T world. Visit [www.tworld.co.kr](http://www.tworld.co.kr) for further details.

## Video Chatting Box

You can read the chat messages you have saved during a video chat.

• (Left) ▶ 7 ▶ 6

- If you press (Left) in the video chat list, you can use the functions such as Send message, Add phone number, Delete, Protect/Lock.

## Report Spam/Service

To improve convenience and prevent damage caused by spams, you can report the received spam messages to the Korea Information Security Agency (KISA)'s Spam Reporting Center.

• (Left) ▶ 7 ▶ 7

Spam box	You can read the received spam messages.
Report spam	Select a spam message in the Inbox or Spam box, or select a number in the call list, and report it as a spam number.
Spam block settings	You can register phone number or string to be blocked, or set/release the spam function.
Spam filtering SVC	Before you receive advertising spam messages, this service blocks them
Help	You can read the guide in relation with spam report.

### Note

- Visit KISA Spam Reporting Center home page ([www.118.or.kr](http://www.118.or.kr)) for details of spam report.

## Contents Box

You can manage files to be attached to MMS.

• (Left) ▶ 7 ▶ 8

- Select 콘텐츠 다운로드 and press . You can access the NATE content shop and download latest contents.
- If you press (Left) while checking content, you can use various functions.

Photo	You can view and manage the photos that can be attached to messages.
Movie	You can view and manage the videos that can be attached to messages.
Music/voice	You can view and manage the music/voice files that can be attached to messages.
Image	You can view and manage pictures downloaded from NATE.
Aniticon	You can view and manage aniticons downloaded from NATE.
NATE Shop	You can access the NATE content shop and download the latest contents.



## Preferences

You can set the environment for the message function.



MMS Settings	You can select and set various content when writing messages. <ul style="list-style-type: none"><li>• Paper settings: You can select the paper of the messages.</li><li>• Avatar settings: You can send the character or photo with the message.</li><li>• Font Color: You can select the font color.</li><li>• Transfer-photo size: You can set the size of photos transmitted to the receiver's phone or wireless web (Internet).</li><li>• MMS conversion alert: You can set the alert tone for conversion from SMS to MMS.</li></ul>
Msg. scene settings	When you receive a message, the new service alert is provided with the selected character skin, and the message is displayed on the standby screen.
Signature settings	You can attach the designated sentence to the end of the message.
Msg. alert settings	You can set new message alert cycle, ring volume and ring type, and download ringtones.
Show msg. details	You can set whether to display the message on the standby screen when a message is received.
Autosave sent msg	You can set whether to store the sent messages automatically.

Spam block settings	You can register phone numbers and strings of the messages you want to block. <ul style="list-style-type: none"><li>• Block phone number: Check the phone number, press  (Left), and enter number, add number or delete all.</li><li>• Block phrase: Check the string, and press  (Left) to enter the string or delete all.</li><li>• Spam msg. settings: You can activate/deactivate blocking of the phone numbers or strings.</li></ul>
Set sentence	You can store and use the frequently used sentences.
Reply autotext	You can read and edit frequently used simple sentences.
Set auto-comp	You can activate/deactivate the receiver number auto complete function.





## *Phonebook*

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## Search Number

You can view the list of the stored phone numbers.



- You can view or edit phone numbers.
- Press (Right) on the standby screen to go to the Find Phone Number screen.
- Select a number and press to place a call.
- Press and you can select All, Group or Speed dial.

### Find all

- The phone numbers including the characters are listed.
- You can search phone numbers by entering the first character of the name.
- Press (Right), and you can add phone numbers.

### Find by group

- The phone numbers are displayed by group, and you can search phone numbers in each group.
- You can add a group by pressing (Right).
- On the group list, press (Left) to edit, move members, move/copy to USIM, delete members, or select members.

### Find by speed dial

- Enter the speed dial number on the search screen, and the phone number is displayed.
- You can add a speed dial number by pressing (Right).

### Menus available while searching phone numbers

Mobile messenger	You can chat with the selected phone number.
Video call	You can place a video call to the selected number.
Cyworld	You can use the mobile Cyworld service.
Send/Connect	You can send an e-mail, place a voice message call or video message call, use call me free, send a number on a message (You can send a selected number on a message), or use the Bluetooth function.
Add New Contact	You can save a new number in the phone.
View	You can view the memory (phone / USIM) in which the selected memory is stored. (This menu is supported on the Find All screen only.)
Sort	You can view the phone numbers on a list or a thumbnail screen.
Move/Copy to USIM	You can save a phone number in the USIM memory.
Delete	You can delete the selected phone numbers or all phone numbers.
Select	You can select multiple numbers, and use the Send message, Bluetooth or Delete function.

※ Only the available menus for the selected number are displayed.

## Add New Contact

You can save phone numbers in the phone or the USIM card.



- You can save up to 200 phone numbers.
- If you select 'Save on Existing Name' when saving a phone number on the standby screen, you can add or modify the existing phone number of the phonebook.
- Press (Left) to set the number as the representative number, or press (Right) to set a speed dial number.

### Phone number icons

Image	Name	Select group
Mobile number	Home number	Office number
Other number	Fax No.	Memo
Select ringtone	Type of anniversary (anniversary, birthday, wedding)	
Enter date of anniversary	Email	





## Call History/Time

You can view the call record, call time and number of calls.



- The call time is counted from the point the ring is generated, and charging begins after the call is connected.
- 'No Number Info.' is displayed if the caller is not subscribed for CLIP (Calling Line Identification Presentation) or the number is call restricted.

## Block Number List

- You can register phone numbers you want to reject.



- Press (Right) to add a number to the rejected numbers list.

All Calls	You can reject all the incoming calls.
Hidden Numbers	You can reject calls with hidden numbers.
060*	You can reject 060 calls.

## Memory Usage

- You can check the phonebook memory in the phone or the USIM card.



- Press (Left) to reset the memory.  
Note that all the phone numbers in the phone or the USIM card are deleted.

## T bag

- You can save and manage phone numbers in T bag in the T World web site.



### Note

- To use the T bag function, you must be a member of T world. Visit [www.tworld.co.kr](http://www.tworld.co.kr) for further details.



## Settings

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## Lock/PIN Code

You can set lock and change the password to inhibit others from using your phone.

• (Left) ▶ ▶

### Note

- Make sure to remember the password.
  - If you forget your password, you have to visit the A/S center with an ID card and a documentary evidence of your ID. (Contact the customer center for the documents required.)
  - The password is provided to the phone owner only, Motorola takes no responsibility for any damage caused due to the leaked password.

## Power Save Mode

You can save battery by minimizing brightness and time of light of the screen and the keypad.

• (Left) ▶ ▶

- If no action is made with the phone within the designated light timer as the folder is open, the phone automatically switches into the economy mode, and switches off the light.

## Call Settings

This menu provides the integrated call setting functions.

• (Left) ▶ ▶

Answer options	You can select the call answering method.
Airplane ModeSet	You can use all the mobile phone functions except the communication services.
Silent Operation	When the phone rings or sounds the alarm, you can mute ring or alarm by turning the phone.
Video Call Settings	You can set various functions (Speaker phone, Auto switch to voice call, Video call support notice, Video/voice switch, Screen mode control, Substitutive image setting) during a video call.
International Call Barring	You can select/cancel the international call barring function.
700/060 Barring	You can select/cancel the 700/060 call barring function.
Auto Area Code	You can select/cancel the auto area code input function.
Duplicate Call Settings	You can select/cancel the function to log continuous calls from the same number in a single record.
Set Call wait Alarm	You can select/cancel the function that informs you with sound or vibration of a new call arrived while you are engaged in another call,

## Comm Set

The following settings are the integrated menus in relation with the data function setting.

• (Left) ▶ ▶

NATE Settings	You can set the NATE main page and Proxy.
june Setting	<p>You can set the environment for multimedia content stored in the june content box.</p> <p><b>Play:</b> Environment for playing contents  <b>Display:</b> Skin and preview mode.  <b>Live screen sound:</b> Background sound setting if Live Screen is used as the standby screen  <b>Memory:</b> You can view the total internal memory and free memory.</p>

## Date/Time Settings

You can set the date and time displayed on the phone automatically/manually.

• (Left) ▶ ▶

## USIM Setting

You can lock the USIM card to prevent unauthorized use of lost or stolen phone, or select access to the menus.

• (Left) ▶ ▶

USIM PIN lock	In order to use the phone functions, you need to enter the PIN when switching on the phone
Change PIN code	You can change PIN used to lock the USIM card
Menu access	You can select the phone to allow menu access without USIM card
Restrict USIM Usage Password	You can change the password used to restrict other USIM
Restrict USIM Usage	You can restrict other USIM cards

## Language

You can select the language used in the phone.



## Moto Customer Service

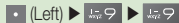
You can receive the service guide about the phone.



Call Center	Motorola Customer Center Tel No. / operating hours
Search Service Center	Information on local service center
Troubleshooting	Measures against failures of the phone

## Reset

You can reset the phone functions.



Restore Default	You can reset all settings.
Factory Reset	You can reset the phone to the factory default status.
Nate Cache	You can reset NATE cache.
Message	You can reset messages in the phone.
Dictionary	You can reset memory of the dictionary.
USIM Data	You can reset messages and phonebook in the USIM card.

## About phone

You can view the model and the S/W version of the phone.



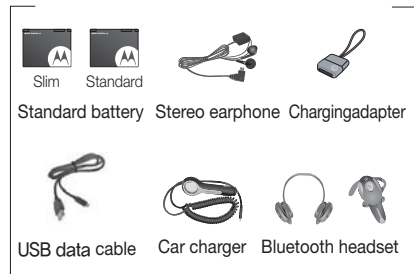
- Press **NATE OK** to enter and save personal information.
- Press **(Left)** to send the number on a message or to use the Bluetooth function.



## Appendix

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## Accessories



You can purchase optional items at the nearest Motorola service center or accessory shop. Contact the service provider or visit Motorola website ([www.motorola.com/kr/consumer](http://www.motorola.com/kr/consumer)) for details.

## Troubleshooting

### 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.

### An intermittent warning tone is heard when you place a call.

- There is no call channel or no signal exchanged with a base station. Hang up the phone, and try again.

### Battery operating time does not comply with the User Manual

- The 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 turn on the power

- When the signal strength for TDMB is weak, buffering may occur. Move to another place and try watching again.

## Specification and Feature

	Wireless communication service	Bluetooth
Tx frequency (MHz)	1942.8~1977.2	2402~2480
Rx frequency (MHz)	2132.8~2167.2	2402~2480
TX power	250mW	300uW
Number of channels	8	79
Type of emission	G7W	F1D/G1D
Modulation system	QPSK	GFSK, Pi/4-DQPSK, 8DPSK
Communication mode	Duplex operation system	
Oscillation	PLL	
Power	DC 3.7V	
Exterior, Weight	When a slim battery is inserted (BC50) 53 X 107.8 X 12.7, 116.4g	
	When a standard battery is inserted (BC60) 53 X 107.8 X 13.6, 119.6g	
Operational temperature, humidity	-20°C ~ +50°C, 0%~95%	

## Authentication Label

1. Name of the device (Model): Wireless equipment for mobile communication, wireless device for wireless data communication system (V14w)
2. Authentication number: MOT-W-V14w-0510 (B)
3. Trade name of the authenticated party: Motorola Korea Inc.
4. Date of manufacturing: June, 2010
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 in this equipment.



## Specific Absorption Rate

Your mobile phone meets 2008-37, 'Requirements for Exposure to Radio Waves,' set by Korea Communications Commission. Your mobile device is a radio transmitter and receiver. It is designed and manufactured to not exceed limits for exposure to radio frequency (RF) energy. 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 for the safety of all persons, regardless of age or health, and to account for any variations in measurements.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR).

The SAR limit is set to 1.6 watts per kilogram (W/kg) according to guideline for this model. Tests for SAR are conducted using procedures with the mobile device transmitting at its highest certified power level in all tested frequencies.

Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be below the maximum value. This is because the mobile device 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 is.

Before a mobile device is available for sale to the public, tests to check compliance with those requirements should be conducted.

The tests are performed in certain positions and locations according to methods set by professional standard institutes.

The highest SAR value for this mobile device when tested for use at the ear is 0.21478 W/kg.

While there may be differences between the SAR levels of various mobile devices and at various positions, they meet the governmental requirements for safe exposure

SAR level of next models may vary thanks to improved functions of the phone but we hope you understand that our products are designed to satisfy the above guidelines in any case.

## Motorola Service Center

	Region	Service Center	Location
Seoul	Gangnam-gu	Samseong	203ho Dongyangparagon2 Floor 499-3 Songjuk-dong Jangan-gu Suwon-si Gyeonggi-do
	Gwangjin-gu	Technomart	2 Floor B/D Syopingmol 1beonga 674-26 Anyang1-dong Manan-gu Anyang-si Gyeonggi-do
	Yongsan-gu	Yongsan I park mall	2 Floor Namyang Building 541-2 541-2 Gojan-dong Danwon-gu Ansan-si Gyeonggi-do
	Gangbuk-gu	Gangbuk	201ho 201ho 2 Floor Sinmyeongsan Building 1142-6 Sanbon-dong Gunpo-si Gyeonggi-do
	Jongno-gu	Jongno	306ho 306ho 3 Floor Rideoseu Building Rideoseu 158-195ho Gwangmyeong-dong Gwangmyeong-si Gyeonggi-do
	Dongdaemun-gu	Dongdaemun	402ho Osangeurin Plaza 925-6 Osan-dong Gyeonggi-do
	Jungnang-gu	Jungnang	2 Floor 62-17beonji Pyeongtaek-dong Pyeongtaek-si Gyeonggi-do
	Gangdong-gu	Gangdong	4761beonji Sujin2-dong Sujeong-gu Seongnam-si Gyeonggi-do
	Gangnam-gu	Seonneung station	6 Floor Aubi Building Aubi Seohyeon 272-1 Seohyeon-dong Bundang-gu Seongnam-si Gyeonggi-do
	Seocho-gu	Gangnamgu	211ho 110-2beonji Juyeop-dong Ilsan-gu Goyang-si Gyeonggi-do
	Dongjak-gu	Dongjak	403ho Hyeonchang Building 978 Hwajeong-dong Deogyeeong-gu Goyang-si Gyeonggi-do
	Gwanak-gu	Gwanak	2 Floor Geonjae Building Geonjae 858beonji Bukbyeon-dong Gimpo-si Gyeonggi-do
	Yeongdeungpo-gu	Yeongdeungpo	2 Floor B/D Gwanju 567-2 2-dong Uijeongbu Uijeongbu-si Gyeonggi-do
	Gangseo-gu	Gangseo	406ho 4 Floor B/D Dongwonpeulleiseuteisyeon Inchangdong676-6 Guri-si Gyeonggi-do
Seodaemun-gu	Shinchon	302ho 3 Floor Sincheon Building 241-5beonji Samga-dong Cheoin-gu Yongin-si Gyeonggi-do	
Eunpyeong-gu	Eunpyeong	2 Floor 148-11beonji Changjeon-dong Icheonsi Icheon-si Gyeonggi-do	
Incheon	Namdong-gu	Incheon Namdong	2 2 Floor Yongjeon Building Yongjeon Beonji 172-4 Yongjeon-dong Dong-gu Daejeon-si
	Bupyeong-gu	Bupyeong	Motorola 2 Floor Socheong1beonga Socheong1beonga Building Socheong1beonga 5-2 Seonhwa-dong Jung-gu Daejeon-si
	Nam-gu	Juan	2 Floor Hanyang Plaza Hanyang 835beonji Tanbang-dong Seogu Gwangyeoksi Daejeon-si
Gyeonggi	Bucheon	Bucheon	1 Floor Wonhong Building 135-19 135-19 Wonseong-dong Cheonan-si Chungcheongnam-do
	Suwon	Dongsuwon	605-6ho Chwiam-dong Nonsan-si Chungcheongnam-do
	Suwon	Suwon station	Go for 100m from Suwon station toward Byeongjeom. 3rd floor of Sammyeong building under the overpass.

※ Background with  color is designated Motorola wasted mobile phone collecting centers. Locations and addresses of the centers may change without prior notice.



Region	Service Center	Location
Gyeonggi	Suwon	Buksuwon 203ho Dongyangparagon2 Floor 499-3 Songjuk-dong Jangan-gu Suwon-si Gyeonggi-do
	Anyang	Anyang 2 Floor B/D Syopingmol 1beonga 674-26 Anyang1-dong Manan-gu Anyang-si Gyeonggi-do
	Ansan	Ansan 2 Floor Namyang Building 541-2 541-2 Gojan-dong Danwon-gu Ansan-si Gyeonggi-do
	Gunpo	Sanbon 201ho 201ho 2 Floor Sinmyeongsan Building 1142-6 Sanbon-dong Gunpo-si Gyeonggi-do
	Gwangmyeong	Gwangmyeong 306ho 306ho 3 Floor Rideoseu Building Rideoseu 158-195ho Gwangmyeong-dong Gwangmyeong-si Gyeonggi-do
	Osan	Osan 402ho Osangeurin Plaza 925-6 Osan-dong Gyeonggi-do
	Pyongtaek	Pyongtaek 2 Floor 62-17beonji Pyeongtaek-dong Pyeongtaek-si Gyeonggi-do
	Seongnam	Seongnam 4761beonji Sujin2-dong Sujeong-gu Seongnam-si Gyeonggi-do
	Bundang	Bundang 6 Floor Aubi Building Aubi Seohyeon 272-1 Seohyeon-dong Bundang-gu Seongnam-si Gyeonggi-do
	Goyang	Ilisan 211ho 110-2beonji Juyeop-dong Ilisan-gu Goyang-si Gyeonggi-do
		Hwajeong 403ho Hyeonchang Building 978 Hwajeong-dong Deogyong-gu Goyang-si Gyeonggi-do
	Gimpo	Gimpo 2 Floor Geonjae Building Geonjae 858beonji Bukbyeon-dong Gimpo-si Gyeonggi-do
	Uijeongbu	Uijeongbu 2 Floor B/D Gwanju 567-2 2-dong Uijeongbu Uijeongbu-si Gyeonggi-do
	Guri	Guri 406ho 4 Floor B/D Dongwonpeulleiseuteisyeon Inchangdong676-6 Guri-si Gyeonggi-do
	Yongin	Yongin 302ho 3 Floor Sincheon Building 241-5beonji Samga-dong Cheoin-gu Yongin-si Gyeonggi-do
Yicheon	Yicheon 2 Floor 148-11beonji Changjeon-dong Icheonsi Icheon-si Gyeonggi-do	
Daejeon	Donggu	Daejeon donggu 2 2 Floor Yongjeon Building Yongjeon Beonji 172-4 Yongjeon-dong Dong-gu Daejeon-si
	Junggu	Daejeon Junggu Motorola 2 Floor Socheong1beonga Socheong1beonga Building Socheong1beonga 5-2 Seonhwa-dong Jung-gu Daejeon-si
	Seogu	Daejeon Seogu 2 Floor Hanyang Plaza Hanyang 835beonji Tanbang-dong Seogu Gwangyeoksi Daejeon-si
Chungnam	Cheonan	Cheonan 1 Floor Wonhong Building 135-19 135-19 Wonseong-dong Cheonan-si Chungcheongnam-do
	Nonsan	Nonsan 605-6ho Chwiam-dong Nonsan-si Chungcheongnam-do

Motorola mobile phone consultant and A/S inquiry Nation wide 1588-6633 Please tell us your product model, error status and your contact number. We will try our best to solve your questions and provide quick service.

Region	Service Center	Location
Gyeonggi	Suwon	Buksuwon 203ho Dongyangparagon2 Floor 499-3 Songjuk-dong Jangan-gu Suwon-si Gyeonggi-do
	Anyang	Anyang 2 Floor B/D Syopingmol 1beonga 674-26 Anyang1-dong Manan-gu Anyang-si Gyeonggi-do
	Ansan	Ansan 2 Floor Namyang Building 541-2 541-2 Gojan-dong Danwon-gu Ansan-si Gyeonggi-do
	Gunpo	Sanbon 201ho 201ho 2 Floor Sinmyeongsan Building 1142-6 Sanbon-dong Gunpo-si Gyeonggi-do
	Gwangmyeong	Gwangmyeong 306ho 306ho 3 Floor Rideoseu Building Rideoseu 158-195ho Gwangmyeong-dong Gwangmyeong-si Gyeonggi-do
	Osan	Osan 402ho Osangeurin Plaza 925-6 Osan-dong Gyeonggi-do
	Pyongtaek	Pyongtaek 2 Floor 62-17beonji Pyeongtaek-dong Pyeongtaek-si Gyeonggi-do
	Seongnam	Seongnam 4761beonji Sujin2-dong Sujeong-gu Seongnam-si Gyeonggi-do
	Bundang	Bundang 6 Floor Aubi Building Aubi Seohyeon 272-1 Seohyeon-dong Bundang-gu Seongnam-si Gyeonggi-do
	Goyang	Ilisan 211ho 110-2beonji Juyeop-dong Ilisan-gu Goyang-si Gyeonggi-do
		Hwajeong 403ho Hyeonchang Building 978 Hwajeong-dong Deogyong-gu Goyang-si Gyeonggi-do
	Gimpo	Gimpo 2 Floor Geonjae Building Geonjae 858beonji Bukbyeon-dong Gimpo-si Gyeonggi-do
	Uijeongbu	Uijeongbu 2 Floor B/D Gwanju 567-2 2-dong Uijeongbu Uijeongbu-si Gyeonggi-do
	Guri	Guri 406ho 4 Floor B/D Dongwonpeulleiseuteisyeon Inchangdong676-6 Guri-si Gyeonggi-do
	Yongin	Yongin 302ho 3 Floor Sincheon Building 241-5beonji Samga-dong Cheoin-gu Yongin-si Gyeonggi-do
Yicheon	Yicheon 2 Floor 148-11beonji Changjeon-dong Icheonsi Icheon-si Gyeonggi-do	
Daejeon	Donggu	Daejeon donggu 2 2 Floor Yongjeon Building Yongjeon Beonji 172-4 Yongjeon-dong Dong-gu Daejeon-si
	Junggu	Daejeon Junggu Motorola 2 Floor Socheong1beonga Socheong1beonga Building Socheong1beonga 5-2 Seonhwa-dong Jung-gu Daejeon-si
	Seogu	Daejeon Seogu 2 Floor Hanyang Plaza Hanyang 835beonji Tanbang-dong Seogu Gwangyeoksi Daejeon-si
Chungnam	Cheonan	Cheonan 1 Floor Wonhong Building 135-19 135-19 Wonseong-dong Cheonan-si Chungcheongnam-do
	Nonsan	Nonsan 605-6ho Chwiam-dong Nonsan-si Chungcheongnam-do



Region	Service Center	Location
Daegu	Junggu	Jungdaegu 2 Floor Gyeongilgaebal Building 2118-2 Namsan3-dong Junggu Gwangyeoksi Daegu-si
	Donggu	Dongdaegu 502ho Silla Building 19-4beonji Sincheon3-dong Donggu Gwangyeoksi Daegu-si
	Bukgu	Bukdaegu 2 Floor 281-2 Nowon2ga Bukgu Gwangyeoksi Daegu-si
	Seogu	Seodaegu 2 Floor 171-4beonji Gamsam-dong Dalseogu Gwangyeoksi Daegu-si
Gyeongbuk	Gyeongsan	Gyeongsan 1 Floor 183-18beonji Yasa-dong Yeongcheon-si Gyeongsangbuk-do
	Gumi	Gumi 1 Floor 189-22 Wonpyeong2-dong Gumi-si Gyeongsangbuk-do
	Andong	Andong 333-102 Dangbuk-dong Andong-si Gyeongsangbuk-do
	Gyeongju	Gyeongju 121-21 Noseo-dong Gyeongju-si Gyeongsangbuk-do
	Pohang	Pohang 732-15beonji Daeheung-dong Buk-gu Pohang-si Gyeongsangbuk-do
Gwangju	Gwangsangju	Gwangju 1 Floor 906-6beonji Singa-dong Gwangsangju Gwangyeoksi Gwangju Jeollanam-do
	Namgu	Gwangju Namgu 395-16beonji Bangnim-dong Namgu Gwangyeoksi Gwangju Jeollanam-do
	Gwangsangju	Gwangju Chumdan 209ho Central Building Wolgyedong 867-1 Gwangsangju Gwangyeoksi Gwangju-si
	Bukgu	Gwangju Bukgu 480-14beonji Sinan-dong Bukgu Gwangyeoksi Gwangju Jeollanam-do
	Seogu	Gwangju Seogu 647-14 Nongseong-dong Seogu Gwangyeoksi Gwangju Jeollanam-do
Jeonnam	Mokpo	Hadang 880beonji Sang-dong Mokpo-si Jeollanam-do
	Suncheon	Suncheon 1 Floor Bonghwa Building 1686-9beonji Jorye-dong Suncheon-si Jeollanam-do
	Yeosu	Yeosu 918-4 Gwangmu-dong Yeosu-si Jeollanam-do
	Haenam	Haenam 438-3ho Hae-ri Haenam-eup Haenam-gun Jeollanam-do
Cheonbuk	Jeonju	Jeonju Gyeongwon 2 Floor 33-10 3ga Gyeongwon-dong Wansan-gu Jeonju-si Jeollabuk-do
	Jeonju	Jeonju Geumam 711-1 Geumam-dong Deokjingu Jeonju Jeollabuk-do
	Iksan	Iksan 53-1 3ga Jungang-dong Iksan-si Jeollabuk-do

Motorola mobile phone consultant and A/S inquiry Nation wide 1588-6633 Please tell us your product model, error status and your contact number. We will try our best to solve your questions and provide quick service.

Region	Service Center	Location
Cheonbuk	Gunsan	Gunsan 2 Floor 845-11 Naun-dong Gunsan-si Jeollabuk-do
	Jeongeup	Jeongeup 44-59beonji Yeonji-dong Jeongeup-si Jeollabuk-do
	Namwon	Namwon 1048-2beonji Hyanggyo-dong Namwon-si Jeollabuk-do
	Gimjae	Gimjae 178-13 Yochon-dong Gimje-si Jeollabuk-do
Gangwon	Chuncheon	Chuncheon 6 Floor Tawo Seukai 136-2ho Ungyo-dong Chuncheon-si Gangwon-do
	Gangneung	Gangneung 134-9 2-dong Gyo Gangneung-si Gangwon-do
	Wonju	Wonju 7 Floor Jiam Building 193-6 Ilsan-dong Wonju-si Gangwon-do
	Sokcho	Sokcho Hannambilding1 Floor 932-4beonji Gyo-dong Sokcho-si Gangwon-do
	Donghae	Donghae 3 Floor Saemsil Building Saemsil 851beonji Cheongok-dong Donghae-si Gangwon-do
Jeju	Jeju	Jeju 4 Floor Jeongju Building 1060-14beonji Ido2-dong Jeju-si Jeju-do

Locations and addresses of the service centers may change without notice. For detailed A/S information, please visit our website ([www.motorola.com/kr/consumer](http://www.motorola.com/kr/consumer)).

### Customer Support Center

Mobile Phone Customer Support Center	Motorola Homepage
--------------------------------------	-------------------

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Mon. ~ Fri. 9:00 ~ 18:00</li> <li>• Sat. 9:00 ~ 13:00 Holidays/Sun. Closed (Business Hours 9:00 ~ 18:00(Weekdays))</li> <li>• Technomart Center (Holidays/Sun. Closed) Weekdays : 10:00 ~ 19:00 /Sat. : 10:00 ~ 14:00</li> <li>• Yongsan Center (Holidays/Sun. Closed) Weekdays : 10:30 ~ 19:00 /Sat. : 10:30 ~ 14:00</li> </ul> <p>※ Department store : Closed every first Monday of the month</p> <ul style="list-style-type: none"> <li>• Telephone : 1588-6633</li> </ul> | <ul style="list-style-type: none"> <li>• <a href="http://www.motorola.com/kr/consumer">www.motorola.com/kr/consumer</a></li> </ul> <h3>SK Telecom Customer Center</h3> <ul style="list-style-type: none"> <li>• Customer Center : 1599-0011(Free) / From your mobile phone : 114(Free)</li> <li>• M Customer Center : From your mobile phone **114 + NATE button (Free)</li> <li>• Internet : <a href="http://www.tworld.co.kr">www.tworld.co.kr</a></li> <li>• Global Roaming : 1599-2011(Free charged)</li> <li>• Billing Management center : 1599-0500(Free charged)</li> </ul> |
|--|--|



## Collecting wasted-mobile phones

The collected wasted-mobile phones are utilized as resources and the wastes are treated ecologically. Motorola is willing to do its best to protect the environment not only today but in the future also. We kindly invite you to participate in this movement for the protection of the environment.

### Motorola phone collecting centers



### Recycling of wasted-mobile phone

- Return the old one to the distributor when you purchase a new phone.
- Visit a near-by representative of the manufacturer or A/S center.
- Return your mobile phone to a representative of mobile service provider.
- Utilize a collecting bag with no charger (arranged in provincial office, distributor, and representative)

### Guidelines for collecting discarded Motorola mobile phones



Please think of the environment when you discard your phones and accessories. Do not discard old mobile phones or accessories such as battery pack, battery charger, etc., together with household waste. In some countries and areas, they have established a system to treat useless electronic and electrical products and batteries. Please contact your area for more information.. If there is no appropriate system available, please send useless mobile phone and accessories to a nearby Motorola service center.

## Battery Disposal

When you dispose discharged battery, keep in mind following directions and dispose it safely for your safety and to prevent pollution.

### Battery disposal precautions

- Do not throw away a battery recklessly.
- Do not burn or dispose a battery in fire. Explosion and fire may occur because of heat.
- Do not throw away a battery with garbage. Recycle it separately.
- Do not remodel or reproduce a battery. Toxic material inside of a battery can be leaked.
  - Make sure that the toxic material does not contact your skin or eyes. If you are contacted, wash immediately with running water and consult with doctor.
- Do not input foreign materials inside a battery and do not soak in water or other liquid.
- Battery disposal way may vary depending on nations and regions. Follow local laws and regulations when disposing the battery.





### Battery Use & Safety

**Important:** Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

#### *DON'Ts*

- Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.
- Don't let the phone or battery come in contact with water  
Water can get into the phone's circuits, leading to corrosion. If the phone and/or battery get wet, have them checked by your service provider or contact Motorola, even if they appear to be working properly.\*
- Don't allow the battery to touch metal objects.  
If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.

- Don't place your battery near a heat source.  
Excessive heat can damage the phone or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
- Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- Avoid leaving your phone in your car in high temperatures.

#### *DOs*

- Do avoid dropping the battery or phone. Dropping these items, especially on a hard surface, can potentially cause damage.\*
- Do contact your service provider or Motorola if your phone or battery has been damaged from dropping or high temperatures.

\*Note: If the product guide expressly states that your phone is designed to resist damage from exposure to certain rugged conditions, such as water immersion, rain, dust, high and low temperatures, shock, or other conditions, do not exceed the stated limits, and ensure the stated precautions are taken.

Always make sure that the battery compartment is closed and secure to avoid direct exposure of the battery to any of these conditions.

**Important:** Use Motorola Original products for quality assurance and safeguards. To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries.

Consumers should confirm that any battery they purchase has a "Motorola Original" hologram.

Motorola recommends you always use Motorola-branded batteries and chargers.

Motorola mobile devices are designed to work with Motorola batteries. If you see a message on your display such as Invalid Battery or Unable to Charge, take the following steps:

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;
- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and retry charging it;
- If the message remains, contact a Motorola authorized service center.


**Important:** Motorola's warranty does not cover damage to the phone caused by non-Motorola batteries and/or chargers.

**Warning:** Use of a non-Motorola battery or charger may present a risk of fire, explosion, leakage, or other hazard.

**Proper and safe battery disposal and recycling:**

Proper battery disposal is not only important for safety, it benefits the environment. Consumers may recycle their used batteries in many retail or service provider locations. Additional information on proper disposal and recycling may be found on the Web:

- [www.motorola.com/recycling](http://www.motorola.com/recycling)
- [www.rbrc.org/call2srecycle/](http://www.rbrc.org/call2srecycle/) (in English only)

**Disposal:** Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling center or national recycling  organizations for more information on how to dispose of batteries.

**Warning:** Never dispose of batteries in a fire because they may explode.



## Battery Charging

### Battery Charging Notes for charging your phone's battery:

- When charging your battery, keep it near room temperature. Never expose batteries to temperatures below 0°C (32°F) or above 45°C (113°F) when charging.
- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have a circuit that protects the battery from damage from overcharging.

## Software Copyright Notice

Motorola products may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software.

Accordingly, any copyrighted software contained in Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of Motorola products shall not be deemed to grant either directly or by implication, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third-party software provider.

## Content Copyright

The unauthorized copying of copyrighted materials is contrary to the provisions of the Copyright Laws of the United States and other countries.

This device is intended solely for copying non-copyrighted materials, materials in which you own the copyright, or materials which you are authorized or legally permitted to copy. If you are uncertain about your right to copy any material, please contact your legal advisor.

## Open Source Software Information

OSS Information for instructions on how to obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device, you may send your request in writing to the address below. Please make sure that the request includes the model number and the software version number.

OSS Management  
600 North US Hwy 45  
Libertyville, IL 60048  
USA

The Motorola website [opensource.motorola.com](http://opensource.motorola.com) also contains information regarding Motorola's use of open source.

Motorola has created the [opensource.motorola.com](http://opensource.motorola.com) website to serve as a portal for interaction with the software community-at-large.

To view additional information regarding licenses, acknowledgments and required copyright notices for open source packages used in this Motorola mobile device, please tap

Menu Key > Settings > About Phone > Legal information > Open source licenses.

In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.

## GPS/AGPS

Your mobile device can use Global Positioning System (GPS) signals for location-based applications. GPS uses satellites controlled by the U.S. government that are subject to changes implemented in accordance with the Department of Defense policy and the Federal Radio Navigation Plan. These changes may affect the performance of location technology on your mobile device. Your mobile device can also use Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

## Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information.

This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.

## Emergency Calls

When you make an emergency call, the cellular network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and might not work in your area.

Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the phone for as long as the emergency responder instructs you.

## Performance Tips

- Go outside and away from underground locations, closed vehicles, structures with metal or concrete roofs, tall buildings, and foliage.  
Indoor performance might improve if you move closer to windows, but some window sun shielding films can block satellite signals.
- Move away from radios, entertainment equipment, and other electronic devices.

## Navigation

Motorola strives to provide complete and accurate mapping information, directions, and other navigational data, using a combination of governmental and private location information sources. These sources may contain inaccurate or incomplete data. In some countries, complete information may not be available. Therefore, you should visually confirm that the navigational instructions are consistent with what you see. All drivers should pay attention to road conditions, closures, traffic, and all other factors that may impact driving. Always obey posted road signs

## Safety & 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 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 do with your landline phone. If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, etc. 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 Website at: [www.motorola.com](http://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.

### Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so. In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

### Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device. Person with implantable medical devices should observe the following precautions:

- Always keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO not carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn off the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your mobile device with your implantable medical device, consult your healthcare provider.

### Driving Precautions

Using a mobile device while driving may cause distraction. End a call if you can't concentrate on driving. Input information about your destination and route prior to your drive. Do not input data or engage in text messaging while driving. Keep your eyes on the road while driving. Listen to the audible turn-by-turn directions, if available. Also, using a mobile device or accessory may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products. Responsible driving practices can be found at [www.motorola.com/callsmart](http://www.motorola.com/callsmart) (in English only).

### Operational Warnings







Obey all posted signs when using mobile devices in public areas.

### Potentially Explosive Atmospheres

Do not use your phone in areas with potentially explosive atmospheres. When you are in construction sites, military areas where high RF devices are often used, turn off your mobile phone and follow instructions and signs.

## Symbol Key

Your battery, charger, or mobile device may contain symbols, defined as follows:

Symbol	Definition
	Important safety information.
	Do not dispose of your battery or mobile device in a fire.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not throw your battery or mobile device in the trash.
	Do not let your battery, charger, or mobile device get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

## Batteries & Chargers

**Caution:** Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see "Battery Use & Safety."

### *Keep Your Mobile Device & Its Accessories Away From Children.*

These products are not toys and may be hazardous to children.

- Ex:**
- A choking hazard may exist for small, detachable parts.
  - Improper use could result in loud sounds, possibly causing hearing injury.
  - Improperly handled batteries could overheat and cause a burn.


## Glass Parts

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.

### *Seizures/Blackouts*

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has never had a previous seizure or blackout. If you have experienced seizures or blackouts, please consult with your physician. Discontinue use and consult a physician if you have any symptoms of convulsion, loss of awareness, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, Stop use the phone if you are tired.

## Caution About High Volume Usage

**Warning :** Exposure to loud noise from any source for extended periods of time may affect your hearing.  To protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you. If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears, or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked. For more information about hearing, see our Website at [direct.motorola.com/hellomoto/nss/AcousticSafety.asp](http://direct.motorola.com/hellomoto/nss/AcousticSafety.asp) (in English only).



## Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician.

## FCC Notice to Users

The following sentences apply to all products with FCC certificates. The applied products will have the FCC logo, each of which will also have certificate ID like FCC-ID:xxxxx.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications which are not approved 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:

The following sentences apply to all products with FCC certificates. The applied products will have the FCC logo, each of which will also have certificate ID like FCC-ID:xxxxx.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications which are not approved 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19
- (3) This device is a residential (grade B) device with electromagnetic suitability registration which can be used in all areas but mainly in the residential area.







This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, it may cause harmful interference. If this device does cause harmful interference by turning the it off and on, the user is

encouraged to try to correct the interference by taking the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and the receiver.
- Connect the device to an outlet on a circuit different from that to which the receiver is connected.
- Consult the mobile phone dealer or an experienced TV technician for help.

## Use & Care

To use your Motorola phone for a long period of time, please keep it away from:

	<b>liquids of any kind</b> Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture. If it does get wet, don't try to accelerate drying with the use of an oven or dryer. This may damage the phone.
	<b>extreme heat or cold</b> Avoid temperatures below 0°C/32°F or above 45°C/113°F.
	<b>microwaves</b> Don't try to dry your phone in a microwave oven.
	<b>dust and dirt</b> Don't expose your phone to dust, sand, food, or other inappropriate materials.
	<b>cleaning products</b> To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning products.
	<b>shock and vibration</b> Don't drop your phone.



### Information from the World Health Organization

Present information does not include any special precautions or information for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF exposure by limiting the length of calls or by keeping mobile phones away from your head and body.

Source: WHO Fact Sheet 193

For more information: <http://www.who.int/peh-emf>

### Caring for the Environment by Recycling

This symbol on a Motorola product means the product should not be treated as household waste.



### Disposal of your Mobile Device & Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. Do not dispose of your battery or mobile device in a fire.



These items should be disposed of in accordance with

regulations of the government. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region.

Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at: [www.motorola.com/recycling](http://www.motorola.com/recycling)

### Disposal of your Mobile Device Packaging & Product Guide

Product packaging and product guides should only be disposed of in accordance with national collection and recycling requirements. Please contact your regional authorities for more details.

### Privacy & Data Security

Motorola understands that privacy and data security are important to everyone.

- Monitor access
  - Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.

Motorola understands that privacy and data security are important to everyone.

- Monitor access
  - Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.
- Keep software up to date
  - If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.
- Secure personal information
  - Your mobile device can store personal information in various locations including your SIM card, memory card, and phone memory. Be sure to remove or clear all personal information before you recycle, return, or give away your device. You can also backup your personal data to transfer to a new device.
- Online accounts
  - Some mobile devices provide a Motorola online account (such as MOTOBLUR) Go to your account for information on how to

manage the account, and how to use security features such as remote wipe and device location (where available).

- Location-based information
  - Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.
- Other information
  - Your device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola. For more information, please contact Motorola at [privacy@motorola.com](mailto:privacy@motorola.com), or contact Motorola service center.



## Smart Practices While Driving

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive.

For more information, please

go to [www.motorola.com/callsmart](http://www.motorola.com/callsmart) (in English only).

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow.

If you choose to use your mobile device while driving, remember the following tips:

- Get to know your Motorola mobile device and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
- When available, use a handsfree device. If possible, use a handsfree device provided by Motorola.
- Position your mobile device within easy reach. Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.

- Let the person on the other line know you are driving; Don't make/receive a call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- Do not take notes or look up phone numbers while driving.
- If possible, place calls when your car is not moving in heavy traffic.
- While driving, do not engage in stressful or emotional conversations.
- Use your mobile device to call for help in an emergency.
- Use your mobile device to help others.

## Warranty Policy

Thank you for purchasing a Motorola product.

This product has passed a strict quality control and inspection of the Motorola Technology Team. If a defect is found in your product during the warranty period, it will be repaired free of charge at a Motorola Service Center.

### Warranty Period

■ Mobile phone terminal : 1 year

■ Other Accessories : 1 year

■ Battery : 6 months

### Free Service

Warranty service is available for faults generated under normal usage conditions within the warranty period. (Except faults not related to product failure, marketing-related faults, and faults caused from negligence)

Type of defects or trouble (If the product gets faulty under normal usage conditions within the warranty period)	Compensation		
	Under warranty	After expiry of warranty	
Critical repair service required within 10 days after purchasing	Exchange or refund	N/A	
Critical repair service required within 1 month after purchasing	Exchange or free repair		
Critical repair service required within 1 month after exchange When product exchange is impossible	Refund		
Repairable	2 times of defects resulting from the same reason	Free repair	Paid service
	Three times of defects resulting from the same reason	Exchange or refund	Paid service
	Five times of defects resulting from the different reasons		
Repair not available	A/S parts are available but repair is impossible	Exchange or refund	Refund the price deducted by the depreciation amount
	Repair is impossible because A/S parts are not in stock.		Refund the price deducted by the depreciation amount and added by its 10%
Lost of repair request product by the user	Exchange or refund		Refund the price deducted by the depreciation amount and added by its 10%

※ Refund : Refund purchasing price (Receipt required)

Model		Serial No.	
Purchase Date	Year/ Month/ Day	Customer	
Distributor		Price	

※ When you purchase the product, please fill the blanks on the Warranty Policy and keep it together with the receipt in order to obtain more beneficial service.

### Paid Service

■ Service charge applies when warranty expires. Furthermore, requesting for service when there is no defects on the product, service charge applies regardless of the service period.

#### 1. Defects resulting from user's errors

- Defects caused by careless handling (soaking, impact) or improper repairing and remodeling.
- Defects caused by using improper power supply.
- Defects caused by repairs done at a place other than the Motorola Service Centers.
- Defects caused by using accessories not provided by Motorola. (Hands free, quick charger, charger, battery, stereo headset, battery cover, etc.)
- Defects or damage resulting from dropping while moving the product.
- Defects resulting from natural disasters such as fire, earthquake, flood, etc.
- Expiry of life time of consumable (battery, stereo headset, external memory, antenna, and various accessories)

#### 2. Others

- Defects resulting from natural disasters such as fire, earthquake, flood, etc.
- Expiry of life time of consumable (Battery, stereo headset, external memory, antenna, and various accessories) This warranty policy is valid in Korea only.



This warranty policy is valid in Korea only.