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사용/설명/서



Welcome

Welcome to Motorola's 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 test, humidity test, dust test, vibration test and drop test. We are sure that you will be highly satisfied with the Motorola products made through these processes. Thank you again for selecting our products, and hope that you would succeed in your business with your Z(MS600).

- Any content of this manual and any function of this product are subject to change according to situation.
- We suggest that you set your phone to vibration mode at a public place.

Prohibition of illegal modification of ESN

Removal or change of ESN (Electronic Serial Number) installed in the cell phone manufactured and supplied by Motorola, or an attempt to reproduce and enter another ESN in the cell phone is strictly prohibited and subject to max. 10-year prison sentence or a fine not exceeding 20 million Won in pursuant of Article 347 of the Criminal Act. In addition, such an illegal act may damage the software installed in the phone. Therefore, customers are required to use care not to incur any damage due to such an illegal act. The product which is illegally modified is excluded from any free or paid service warranted by Motorola.

Safety precautions

Read this 'Safety precautions' carefully in order to secure safety of the user and to prevent damage to property. Please keep this manual in the place which can be accessed at any time by the user.

■ Precautions

- Do not lend your own phone to other person.
 - If your phone requires A/S, contact our designated service center.
 - If your phone is lost or stolen, immediately report to your service provider.
 - Using chargers, handsfree kits, USB data cables, batteries, or equipment other than the genuine ones may deteriorate this product or cause malfunction or deformation of this product. Therefore, do not use any unauthorized device.
 - The data such as phone numbers stored in the phone may be lost due to negligence or any unexpected problem. Therefore, please record important data separately.
 - If the cell phone or battery is immersed in 'water' or 'liquid', the color of immersion label affixed to the cell phone or battery is changed. Any malfunction of the phone caused due to immersion is subject to rejection of free service. (The immersion label is affixed inside the product, too.)
- * This product should not be added with any separate equipment that may cause an alteration to its original performance as described on type registration.

Safety precautions

To use the phone safely to its expected life



Make sure to use the genuine product.

Use the authorized products provided or sold as optional accessories by the manufacturer. Using unauthorized battery or charger may reduce life and deteriorate performance of the phone, and Motorola cannot assure safety for the product using such unauthorized product.



Be careful not to break the LCD screen.

The LCD screen of the phone is made of acrylic material. Too excessive impact or drop may cause damage of the LCD screen.



Avoid water and damp.

Having the phone or battery immersed or using the phone in damp place may cause electric shock or damage to the phone. If the color of the immersion label is changed, the phone is excluded from free service.



Do not dry the immersed phone with heating devices.

Drying the immersed phone or battery with the heating devices such as microwave oven, heater or dryer may cause explosion, deformation or defect, and Motorola cannot guarantee safety of the user. Do not switch on power of the wet phone. Remove the battery and contact the authorized Motorola service center.

Safety precautions



Use and keep the phone in a room temperature.

Leaving the phone or battery in hot place (inside the car, in the place with direct sunray or near the heat) may cause explosion, fire or deformation. Using or keeping the product in excessive cold may deteriorate the function or reduce life. Please keep the product in a room temperature.



Keep the product clean.

Foreign substance on the metal terminal part of the battery or the charger may obstruct charging of the battery. Wipe the phone with soft cloth. Do not use chemical (alcohol, benzene, thinner and etc.) to prevent fire.



Do not give impact, or disassemble or modify the phone at the user's own discretion.

Too excessive impact or drop of phone or battery may cause defect or explosion. Disassembly or modification may exclude the phone from free service.



Do not use the phone while charging the phone.

You may be electric-shocked if you use the phone while charging the phone with the USB data cable or the battery charger. Make sure to disconnect the USB data cable or the charger before using the phone.



Be careful when you use the USB data cable.

When you use the USB data cable to connect the phone with PC, you may be electric-shocked depending on the grounding status of PC. Make sure to turn the charging button of the USB cable OFF before connecting the data cable.

Safety precautions



Do not keep the phone with the product with magnetic or radio-frequency energy.

The magnetic wave from the phone may cause malfunction or loss of data of the magnetic card (bankbook, credit card, traffic card and etc.). Most electronic devices are designed to prevent influence of radio-frequency energy. However, some devices may become defective when using the phone.



Note the data on the phone in a separate place.

Telephone numbers on the phone may be deleted due to negligence, during upgrade or repairing the phone, or due to an unexpected problem. Motorola will not take the liability for any damage caused by loss of information.



Do not directly watch the IrDA window when communicating with IrDA.

If you watch infrared rays directly, you may suffer damage to eyesight, headache or dizziness.



Use the phone in a normal position.

If you do not use the phone upright, the call quality may be deteriorated, and battery power consumption may be increased. Also do not hold or touch the antenna during the call.



Keep the product away from pets or children.

If the children or pets chew or bit the phone or battery, they may be electric-shocked, exposed to explosion or electromagnetic wave, or choked due to the broken part (e.g., rubber cap) of the product. If the children use the phone, make sure to have them read this manual.

Safety precautions



Be careful not have the phone with the necklace or string caught by doors.

Accident may happen if the phone is caught by the doors of subway or car.



Use the MP3 at a normal distance.

If you wear a cell phone with the necklace, keep the phone at a distance of at least 2.5cm from your body, in order to meet the EMI regulations.



Use the phone case.

To minimize exposure to electromagnetic wave, it is recommended to use the phone case supplied or authorized by Motorola. Using an unauthorized case may cause exposure to excessive electromagnetic wave. In the event you don't use the case, please keep the phone away from you body at least 2.5cm.

* For Motorola-approved accessory list, visit 'www.mymotorola.co.kr'.

Safety precautions

Precautions on location



Do not use the phone in the area with the risk of explosion.

In the area with the risk of explosion such as construction site or military operation site, radio frequency devices may be used for remote explosion. If you are in such areas, make sure to turn the phone off and observe all the instructions and signs.



Do not use the phone near inflammable materials.

Do not use the phone or attach the accessories when you are in a gas station, a gas leakage hazardous area, a chemical storage or on a deck of a ship, and follow the instructions. The spark from the phone and the accessories may cause fire or explosion. Therefore, keep the phone and the accessories away from in flammable materials.



Do not use the phone in the restricted area such as airplanes and hospitals.

Using the mobile phone may have an influence to the RF devices in the airplanes and hospitals. Make sure to follow the instructions.



Do not use the phone near the pacemaker.

The Health Industry Manufacturers Association recommends that a minimum distance of fifteen centimeters (15cm) be maintained between a mobile phone and a pacemaker to avoid potential interference to the pacemaker. If it is unavoidable for a person with pacemaker to use a cell phone, he (she) should maintain a distance of at least

Safety precautions

15cm between the cell phone and the pacemaker. Persons with pacemakers should always use the phone in the opposite side of the pacemaker to minimize interference, and turn the phone off if possible.

Using the phone while driving



Do not use the phone while driving a car.

Using the phone while driving may directly or indirectly cause a traffic accident. You are also fined and given black marks. Make sure to follow the related regulations.



Do not install the handsfree kit near the airbag.

An air bag inflates with great force in a moment. If in-vehicle handsfree kit is installed within the coverage of inflation and the air bag inflates, a serious injury could result. Be sure to place the handsfree or other objects out of the area of the air bag operation.

Precautions for using battery and charger

- Rechargeable batteries are consumables. Repeated charging/discharging gradually reduces the life of batteries. If the operating time reduces to half, purchase a new battery.
- If the lamp of the charger blinks while charging the battery, it indicates that charging is not performed normally. Take the appropriate action to prevent damage.
- The battery cover must be always attached to the phone, or a defect may occur.
- Make sure to switch off the phone before removing the battery from the phone, or you may be electric-shocked.

Safety precautions



Be sure to use the TTA-authorized charger.

Unauthorized charger may cause reduced safety, reduced life, explosion or fire.



Use the authorized battery.

Unauthorized battery may cause reduced life, damage of phone or explosion. No service is guaranteed for a damage caused by unauthorized battery. Motorola does not guarantee safety of the user if he/she uses a battery not provided by Motorola.



Charge and keep the battery in a room temperature only.

The battery is not recharged normally in an excessively hot or cold place, and the lamp gets on in amber. Keeping the battery for a long time in hot or cold place reduces capacity of the battery.



Do not take the battery apart and keep away from heat.

The battery may be leaked, heated or exploded. Using a broken battery or putting in mouth is extremely harmful to human body.



Avoid contact with other metallic objects.

Touching the charging terminal to a conductive material (keys, coins or jewels) may cause short circuit, resulting in fire, explosion or burn. Be careful when handling a charged battery..

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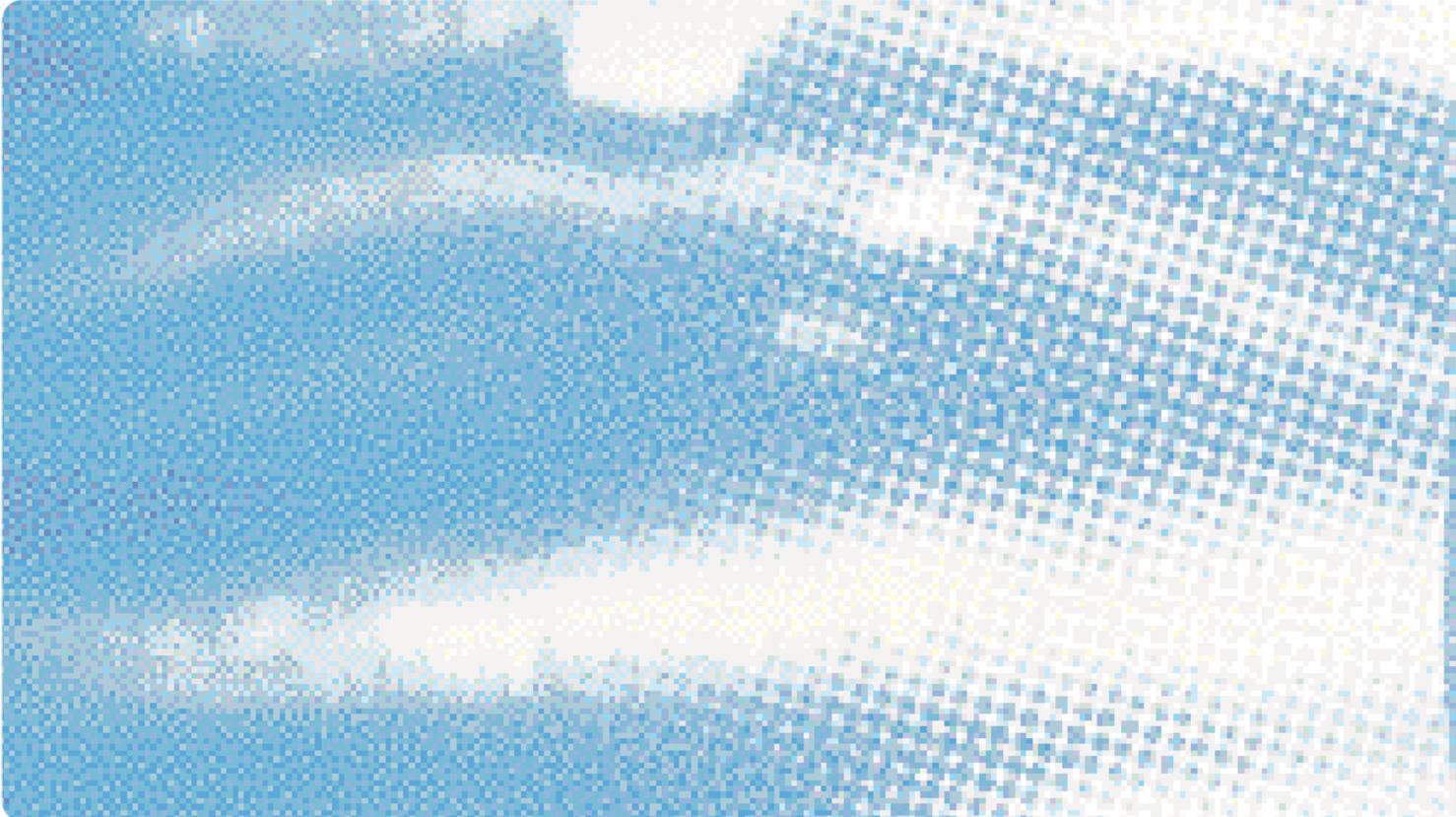
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Before using the phone

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Before using the phone

1. Checking components

The product is composed of the following components. Be sure you have received all the components before using the phone. The illustrations used in this manual are for your convenience only, and may be different from actual objects.



Handset



Slim battery



Battery charger



Stereo earphone

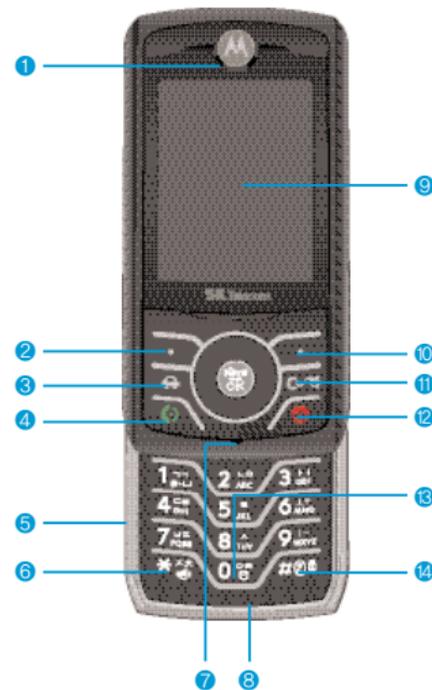


USB data cable



User manual

2. Part names and buttons



- ① Earpiece
- ② [Menu] button
- ③ [Music] button
- ④ [Send] button
- ⑤ External link connector
- ⑥ One touch etiquette button
- ⑦ Mouthpiece
- ⑧ Antenna
- ⑨ LCD screen
- ⑩ [Phonebook] button
- ⑪ [My Menu] button
- ⑫ [END] button
- ⑬ One touch alarm/roaming selector button
- ⑭ One touch lock button
- ⑮ Accessory link hole
- ⑯ Speaker
- ⑰ Camera button
- ⑱ Camera lens
- ⑲ Volume button
- ⑳ Ear-mic jack
- ㉑ Battery cover detach button

Before using the phone

	<ul style="list-style-type: none"> ● Place or receive a call Press : Displays a 'Call List', 'Outgoing Call List', 'Incoming Call List', or 'Missed Call List' Press and hold : Automatically places a call to the last connected number.
	<ul style="list-style-type: none"> ● Turn the power ON/OFF and end a call ● End the selected function and return to the standby screen
	<ul style="list-style-type: none"> ● Select menus from the standby screen Left : One-touch 'Message' menu Right : 'One-touch 'Auto Answer' menu Up : One-touch '@PlayOn' menu Down : 'One-touch 'E-Dictionary' menu ● When using the menu functions: Move between menus
	<ul style="list-style-type: none"> ● Delete characters or numbers when entering characters or numbers ● Move to the upper menu or previous screen ● One-touch 'My Menu' from the standby screen
	<ul style="list-style-type: none"> ● Check, save or select when using the menu functions ● Move to NATE menu from the standby screen ● Press and hold to access NATE Home
	<ul style="list-style-type: none"> ● Move to Music menu ● Press and hold to access NATE Music Home

	<ul style="list-style-type: none"> ● Dial Button : Enter characters or numbers Press and hold  : Set/release 'Etiquette mode' (See P.63.) Press and hold  : Set/release 'Lock all' (See P.92.) Press and hold  : Set/release 'International auto roaming' an 'Alarm'
	<ul style="list-style-type: none"> ● Select [Menu] from the standby screen ● Select the menu displayed on the bottom left of the screen
	<ul style="list-style-type: none"> ● Select [Phonebook] from the standby screen ● Select the menu displayed on the bottom right of the screen
	<ul style="list-style-type: none"> ● Select camera from the standby screen Press : One-touch 'Camera' menu Press and hold : Photo preview ● Check time as the slide is closed
	<ul style="list-style-type: none"> ● Move between menus and adjust volume ● Press and hold during incoming call to block ringer/vibration ● Adjust 'Effect Tone' on the standby screen ● View time when the slide is closed

3. Basic icons



To reduce battery consumption, the backlit gets off if the designated backlit time is expired. (See P.71.)

	: The signal length of the current service area		: Roaming service is on
	: In call or connected to NATE		: Out of service coverage
	: The phone is locked		Lock all
	Privacy lock		
	: A broadcasting message is received		
	: A voice message or a text message is received		
	: An alarm (Short Alarm, My Alarm, Alarm by Day, Morning Call) is set		
	: Ringer mode		: Etiquette mode
	Vibration		Lamp
	Bell & Vib		Vib then bell
	Bell increase		
	: Remaining battery capacity		
	Full		Low
	Empty		
	: The USB data cable is connected(Depending on the selected receiving mode)		
	Data mode		Fax mode
	: The Auto Answer function is on		: The ear-mic is connected
	: The handsfree kit is used		: The external memory card is inserted

Before using the phone

4. How to select menus

1. Using the menus displayed on the bottom of the screen

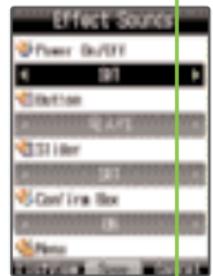


2. How to move between menus and select a menu



Move the cursor with or and select [OK] or enter the item number

3. How to use the scroll bar



The scroll bar is displayed if more menus are available than those displayed on the screen. Select an item with and click [Save].

4. If is displayed on a side of the menu



If you press [OK] or , the detailed items are displayed. Select the desired item with , or press the matched dial number

5. If and are displayed on the screen



Select the desired item with , and press [Save]

6. If is displayed on the screen



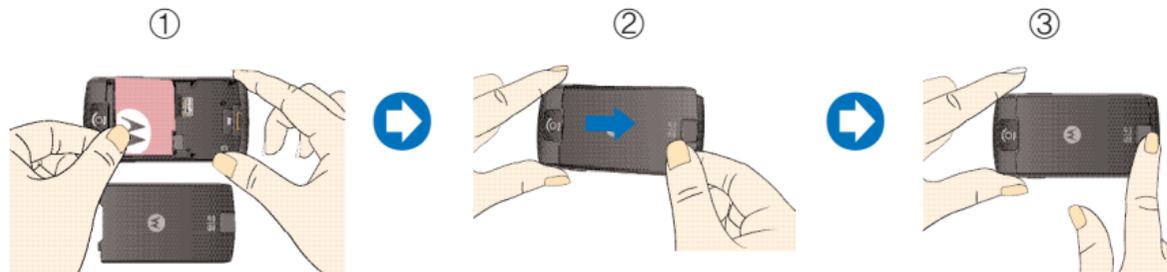
Select the desired item with , and press [OK]

Before using the phone

5. How to use battery

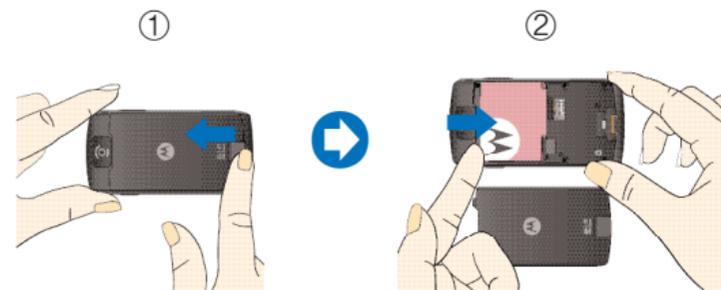
1. Mobile phone and battery

1. Assembling battery



- ① Insert the battery so that its charging terminals meet those of the mobile phone.
- ② Place the battery cover button to the catch of the phone.
- ③ Press the battery cover until you hear a click, while slightly pulling the battery cover button.

2. Removal



- ① Push the battery cover button to the arrowed direction and remove the cover from the phone.
- ② Pull the battery to the arrowed direction and remove the battery from the phone.

Before using the phone

2. How to charge battery



1. Charging the battery with a battery charger

- Connect the travel charger cable to the port in the rear side of the battery charger.
- Connect the power plug of the travel charger to an outlet. (100V~220V)
- Check if the triangle lamp on the jack of the travel charger cable blinks in amber.
- Insert the battery to the charger socket.
- The charging status is displayed on the triangle lamp in the jack of the travel charger cable.

※ Since the battery is not completely charged when you purchase it, make sure to charge the battery before using the phone.

2. Charging the battery with a travel charger (optional)

- Check if the triangle lamp on the jack of the travel charger cable blinks in amber.
- Insert the travel charger to the port in the left side of the phone.
- The charging status is displayed on the triangle lamp in the jack of the travel charger cable.

※ Optional travel charger

Motorola sells the travel charger as an optional accessory for user convenience and resource recycling. You can purchase the optional travel charger from the dealer you have purchased this phone or from the nearest service center.



3. Battery charging status

Item	Charging in progress	Charging completed
Cable jack	Red	Green

〈The lamp blinks in red〉

- The charging terminal has poor contact. Check if the battery is clean and charge again.
- The battery or other part is defective. Contact our service center.

〈The lamp blinks in amber〉

- The place is too hot or cold.
- If temperature changes into the room temperature, the lamp is changed into red and the battery starts to be charged.

4. Charging time

Type	Slim battery
Time	About 180 min

- The charging time may vary depending on the battery status and the charger.
- The charging time may be increased if the rated voltage of the charger is low.

※ Standard battery

Motorola sells the standard battery as an optional accessory for user convenience and resource recycling. You can purchase the optional travel charger from the dealer you have purchased this phone or from the nearest service center.

Before using the phone

5. Operating time

Type	Slim battery
Standard operating time	About 160 hours
Standard talk time	About 130 minutes

- If you use the phone longer than normal, charge the battery everyday.
 - The phone consumes more power during the call or when using NATE, @PlayOn, NATE Air, WINC or MP3 than when the phone is in the standby mode. The longer the call time, the operating time gets shorter.
 - The same amount of power is consumed between receiving and placing calls.
 - The operating time gets shorter in the out-of-coverage area.
 - The operating time varies depending on the charge status, temperature (high/low), coverage status in the area and the backlit setting.
- ※ The above-mentioned battery operating time is measured in accordance with 'the Criteria for Measurement and Display of Mobile Phone Battery Operating Time' of Korea Consumer Protection Board.

6. Low battery alarm

- If the battery is almost empty, a message 'Recharge your battery' is displayed, with '  ' flickering.
- If '  ' flickers, LCD and the button light is not turned on, and the phone may not function normally. Charge the battery immediately.

Basic operation

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1. Power on/off

1. Power on

Press and hold 

- The service provider logo and the graphic set by the user are displayed, and then, the standby screen is displayed.

2. Power off

Press and hold 

- The graphic disappears and the phone is switched off.

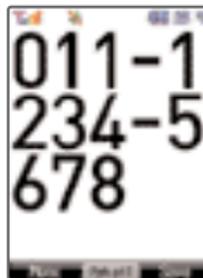
Note

You can download the graphic from NATE and change the graphic setting in 'Setting screen'. It may take time for the phone to display the graphic depending on the size of the downloaded graphic. (See P.68 Setting screen)

2. Placing a call

1. Placing a call by entering a phone number

Enter a phone number on the standby screen and press 



- If you press and hold  on the standby screen, the last connected number in the 'Call list' is dialed.
- If you have entered an incorrect number, you can correct it with .
- The call time is displayed on the screen.

- The call charge is calculated from the point the call is connected.
- If 'Lock all' is set in the phone, you have to type the password to place a call.
- You can change the number font with  when entering numbers. (See p.71, Setting number font.)

2. Placing a call with the number from phonebook

 [Phonebook]  Select a number  Press

- Select a person from the phonebook. (See P.112, Searching phone number)
- Select a person and press . The 'Representative number' of the person is dialed.
- From the standby screen, you can search phone numbers in the  [phonebook] with "Speed dial", "Search all" and "Group".

3. Placing a call with speed dial

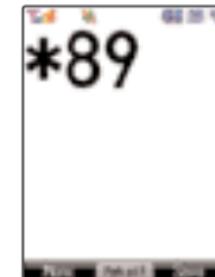
Press and hold the speed dial number

- You can place a call on the standby screen by press and hold the registered speed dial number, if any. (See P.113, Registering phone number.)
- If the speed dial number is 17, press  and press and hold .
- If the speed dial number is 173, press  and , and press and hold .

4. Placing a call with electronic dialing

You can save several numbers for electronic dialing, when you use ARS or telebanking service, or retrieve the voice message. To cancel the electric dial, press  during the call.

Enter phone number  Enter the numbers to be dialed electronically with 'P' or 'T' using   Press 



	Button	Description
P		The numbers entered after 'P' is transmitted when you press  or  [Move]
T		The numbers entered after 'T' is transmitted automatically in a short while.

3. Receiving a call

For an incoming call, open the slide to receive the call.



Note

You can download the graphic from NATE and change the graphic setting in 'Setting screen'. It may take time for the phone to display the graphic depending on the size of the downloaded graphic.
(See P.68, Setting screen)

- The phone rings or vibrates depending on the setting. In order to switch ringer or vibration to mute, press and hold or .
- If you have registered the 'Calling Line Identification Presentation (CLIP) service', the number of the caller is displayed on the screen.

1. Receiving a call with ear-mic

- If a call is incoming with the ear-mic connected to the phone, press or the ear-mic button to receive the call.
- After the call is finished, press or the ear-mic button to disconnect the call.

2. Setting receive mode



- You can set the receiving mode.

Note

- **Open slide** : Open the slide to receive calls.
- **Any button** : Press any button except to receive calls.
- **Send button** : Press to receive calls.
- **Auto connect in 3 sec** : The call is connected automatically in 3 sec after the receiving tone..

4. Using functions during a call

You may use various convenient functions during the call.

1. Adjusting earpiece volume during a call

Use or to adjust the earpiece volume during a call.

- You can adjust the earpiece volume during a call.

2. Taking memo during a call

Enter a phone number and press [OK] during a call.

- You can save phone numbers during a call.
- The phone number you have taken during a call is saved in 'Outgoing call list'. If you press and hold after finishing the call, a new call is placed to the saved number.

3. Using speaker phone

Press [Speaker] during a call.

- is displayed when you use the speaker.
- Press [Speaker] to clear the function.

- When you use the speaker, the microphone must face the user at a distance of not farther than 30cm.
- This function is cleared automatically if you finish the call.

4. Muting

Press [Menu] during a call Select Mute.

- You can mute your voice over the phone during a call.
- When you use the function is displayed.
- To clear the function, press Mute again.
- Mute is cleared automatically after the call is finished.

5. Blocking key tone

Press [Menu] during a call Select Block key tone

- You may block the key tone when taking a memo during a call.
- When you use the function is displayed.
- To clear the function, press Block key tone again.
- This function is cleared automatically after the call is finished.

Basic operation

6. Sending My Number

Press [Menu] during a call Select Send my number

- You can send your number easily to the other party during a call to leave the callback number.
- Your number is displayed, and after the number is sent, the phone returns to the call mode.
- During the memo mode, you can send your number after clearing the memo mode by pressing [Cancel].

7. Using phonebook during a call

Press [Phonebook] during a call Select a menu

- You can use the phonebook menu during a call.
(See P.109 on how to use the phonebook menu.)

8. Using text message during a call

Press during a call Select a menu

- You can send a text message or retrieve a received message during a call.
(See P.133 on how to use the message menu.)

5. Missed call

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



- If you press [OK] when the 'Missed Call' message box is displayed, the 'Missed Call List' is displayed. If the called party subscribes for Calling Line Identification Restriction (CLIR) service or you don't subscribe for CLIP service, 'No Number' is displayed in the 'Missed Call List'.
- You can also view the list by selecting 'Missed Call' from 'Call List/Time' menu in 'Phonebook'.
- Or press in the Call List, and select 'Missed Call'.

6. Setting My Menu

You can register up to 12 most frequently used menus in My Menu.

Select a menu and press [My Menu] Press 'Yes' Search with , and select an icon with the number button Copy to My Menu



- Press on the standby screen to check My Menu, register or delete menus.
- In order to delete a menu from My Menu, select the menu and press [Delete].
- The menu is not deleted even if it is copied to My Menu.

Writing message

1. Changing writing mode 42

2. Using menu when writing message 43

Writing message

1. Changing writing mode

Press [KOR] to change the writing mode while writing message.



- Use or to move the cursor to the designated position and write a character.
- Press to delete a character, and press and hold to delete all.

1. Writing Korean characters

1. Consonants

- To enter the 2nd consonant marked on a key, press . (e.g., ㅋ: +)
- To enter a double consonant (ㅃ, ㄸ, ㅆ, ㅊ, ㅌ), press the basic consonant (ㄱ, ㄷ, ㅂ, ㅅ, ㅈ) twice. (e.g., ㅃ: Press twice)
- When writing a sentence, if you need to write a consonant under a vowel and then the same consonant as the initial consonant of the next letter, press the arrow button between the consonants. (e.g., : 아버지 + + + +)
 갑부 + + + + + +

2. Vowels

- Enter the initial consonant, the vowel and the final consonant in sequence in accordance with the Korean orthography. Then these are automatically combined to make a character.
- If the final consonant does not meet the Korean orthography, it is moved as the initial consonant of the next character.
- In order to enter the second vowel on a key, press the button twice.
- If you wish to write a double vowel (ㅏ, ㅑ, ㅓ, ㅕ or ㅗ, ㅛ), enter the basic vowel (ㅏ, ㅑ, ㅓ or ㅗ), and then, press . (e.g., ㅓ: +)

2. Writing English characters and numbers

1. English characters

- Press the key once, twice and three times in order to write the first, second and the third English character on a key, respectively.
- Press in the English mode (upper or lower case) once, twice and three times to write '@', ',' and 'space', respectively.

2. Numbers

- Press the [Dial] button in the number mode.
- Or press and hold a [Dial] button to enter the number, regardless of the writing mode.

2. Using menu when writing letters

You can enter symbols and My Sentence function.

Select a menu by pressing [Menu] in the writing mode

1. Symbols

- You can enter generally used symbols (General, Graphics 1, Graphics 2, Rules lines, Measurement, Circles, Parentheses, Japanese 1, Japanese 2, Emoticons, Mails).
- Press to select a symbol, and press to scroll pages.
- Press the number of the desired symbol, and then, press [OK] to write the symbol.

2. My Sentence

- You can store up to 20 most frequently used sentences. (See P.103, Using My Sentence.)

Note

The menu functions in the message writing mode are much upgraded than those in the general writing mode (symbols and My Sentence). Refer to Writing message (p.134) for how to use the menu functions and symbols.

SKT service

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SKT service

1. Setting Auto Roaming

If you have subscribed for 2 or more numbers or service providers, you can select one of the subscribed numbers even abroad.

[Menu] → 1 → 1 → Enter password



- Contact SK Telecom International Auto Roaming Customer Center (1566-0211) for details.
- The default password is '0000'. If you want to change the password, contact SK Telecom Service Center.

Note

- **Korea (SKTelecom)** : Default service provider in Korea. Provides the service when you use the phone in Korea.
- **Auto Select** : You can use this function to check if you are in the service coverage when traveling out of Area A or B.
- **Area A (China and etc.)** : Selected when you travel China, Thailand, Hong Kong, New Zealand, Guam, Saipan, Taiwan, Israel or parts of USA.
- **Area B (USA and etc.)** : Selected when you travel major parts of USA, Australia or Canada..

2. Accessing NATE

You can connect NATE to search information and download various contents such as games and bells.

[Menu] → 1 → 2



- Press and hold [NATE] to connect NATE, and press if the call is finished.
- Visit SK Telecom NATE Homepage (<http://www.nate.com>) or call '1566-0011' for details.

Using NATE browser menu



Press or to select a menu.

Note

- **History** : Displays the recently accessed sites.
- **Move** : Moves to the web page.
- **My Menu** : You can register the frequently used menus, and search and edit in My Menu.
- **Useful Tools** : Provides you with useful tools you can use to access NATE..
- **Help** : Provides you with information on the browser.

3. Using @Playon

You can download various contents such as games, videos and stock news from NATE @Playon.
The downloaded contents are stored in @Playon.



- You can access @Playon by pressing  on the standby screen.
- You can adjust volume with .
- If the free memory is not sufficient, you can download the contents after deleting the existing contents.
- When a call is incoming while you are using the NATE Wizard, you can receive the call.
In order to use the 1:1 games or the network games, you have to subscribe to the NATE Call Waiting service. Contact the service provider for details.
- After the call is finished, the NATE Wizard operates again.
However, some contents may not be played normally after the call is finished.

■ Using the downloaded contents menu



Note

- **Management** : You can modify (rename), the selected content, move to other folder and check the information.
- **Delete** : You can delete the selected content.
- **Add folder** : You can create a folder to manage the contents.
- **Delete all** : You can delete all the downloaded contents.
- **Preferences** : You can check the memory and set the volume and auto sorting order.

4. Using Music

You can store, play and manage the music contents downloaded from NATE.

1. Accessing Music Home



- You can access the NATE Music Home and download the music contents.
- Press on the standby screen to access the 'Music' menu, and press and hold to display the NATE Music Home main screen.
- The downloaded music contents are stored automatically in 'My Album' and the live bell contents are stored in 'Live Bell'.

2. My Album



- You can play the downloaded music contents.
- is displayed on the screen when the music is played.
- You can select the music contents with [Select].
- You can download the music contents as long as the memory capacity allows.
- Press [List] during playing the music contents to view the list of the music contents.
- Press [Menu] during playing the music contents to use the menu functions.
- The play option settings in the menu function is the same as Preferences.(See P.53, Preferences.)
- You can receive a call while playing the music contents. The phone resumes playing of the music content after the call.

Note

- **Recent play** : The list of the recently played music contents is displayed.
- **View all** : All the downloaded music contents are displayed.
- **View by album** : The list of the registered albums is displayed, and you can play contents by album.

Using menu during playing the music contents

- If you set the repeat section with [Menu], you may not use [Menu], [List] and . You have the cancel repeat section with to use such functions.
- In order to use the menu with (#) attached, you have to press while playing the music.

Note

- **Add to album** : You can add music contents to the album.
- **Change sequence** : You can change sequence of music contents to be played.
- **Delete** : You can delete the selected music content. However, you cannot delete the protected contents.
- **Manage information** : You can view the information on the selected music contents.
- **Update words** : You can correct the words of the music contents stored in the phone.
- **Download words** : You can download and store the words of the music contents.
- **Add album** : You can add new albums to 'View by Album'.
- **Rename album** : You can rename the selected album.
- **Delete album** : You can delete the selected album.
- **Access NATE Music Home (#)** : You can access NATE Music Home.
- **Access NATE (#)** : You can access NATE initial screen.
- **Manage Message (#)** : You can go to the message menu and write or retrieve messages.
- **E-book (#)** : You can use the E-book function by pressing while the phone plays the music content.

3. Live bell



- You can download, select and manage the downloaded live bell.
- can adjust ringer volume with or while the phone plays the live bell.
- You can download up to 200 live bells.

Using live bell menu



Note

- **Content information** : You can view information on the selected live bell, and rename title, set/release protection and delete the live bell with [Menu].
- **Delete** : You can delete the selected live bell. However, you cannot delete the protected live bell.

4. Preferences



Note

- **Basic option** : You can select the music content playing method.
- **Player skin** : You can change the skin of the music player.
- **Slide close while playing** : You can set the phone to continue or stop playing music when you close the slide.
- **Pre-listen** : You can set the phone to support pre-listen of the music content in the 'My Album' list.
- **View words** : You can set the phone to display words when playing the music contents.
- **Memory information** : You can view information on the memory of the phone, and select 'Delete All' or 'Cancel all reservation' with [Menu].
- **External memory information** : You can view information on the external memory.

5. Using MP3

You can download 'Melon Player' provided by SK Telecom to store, play, send and manage the MP3 files. Contact the service provider or visit the Melon homepage (<http://www.melon.com>) for details.

■ Downloading Melon Player

1. Download the USB driver program from the Motorola homepage (<http://www.mymotorola.co.kr>), and install the program on the PC.
※ Caution: Before installing the USB driver, be sure to disconnect the phone from the PC. The USB driver is installed automatically as the program is installed.
2. Connect the phone to the PC with the USB data cable.
3. Download 'Melon Player' from the Melon homepage (<http://www.melon.com>) and install the program on the PC.
4. Execute 'Melon Player' to download the MP3 files..

What is SK Telecom Melon Player?

It is a freeware to be installed and used on the PC. You can download, store, play, send and manage the MP3 music files (DCF files).

■ Downloading MP3 files

- You can use SK Telecom Melon Player to download the MP3 files to the PC or the MP3 phone.
- After accessing Melon Player, send the MP3 files to the MP3 supporting phone. The PC with Melon Player must be connected to the MP3 supporting phone. Downloading and playing MP3 files on the PC are available without connection with the phone. The files downloaded to PC can be sent to the phone. It is, however, impossible to send the MP3 files from the phone to the PC.
- This service is provided to the customers with the integrated ID for SK Telecom's membership site (e-station, TTLPlayOn, ting, CARA, UTO, 011010leadersclub), and is not provided to the members of NATE (<http://www.nate.com>). In order to send the MP3 files to MP3 phone, you need to be authorized with information on the phone.
- The rate for downloading service is calculated in accordance with the SKT Melon Rate policy.

■ Playing MP3 files

- You can view the downloaded MP3 files in 'My Album' in the Music menu. (See P.50, My Album.)
- Press  or  to adjust volume of MP3 phone.
- The phone can play the MP3 files with the extension 'DCF' only.



5. Using 011 supplementary service

You can register, release or set various SK Telecom supplementary services. The 011/010 supplementary services are available for the members.



Note

- **ImageCall** : When you originate a call, you can display a specific image, message or emoticon on the receiver's phone.(See P.110 on how to use the ImageCall menu.)
- **Sorisam** : You can retrieve the voice message received when you cannot use the phone.
- **Auto connect** : If you cannot receive a call until the receiving alert (ringer/vibration) is expired, the call is directed to the predesignated number.
- **Call transfer** : The incoming call is automatically connected to the registered number.
- **Jungbosam** : You can receive the message on the selected news, sports news and stock news at the designated time.
- **Traffic information** : You can receive traffic information on expressways, highways, railroads, air traffic and Seoul local traffic.
- **Password call** : You can set the password to prevent the phone from being used by other persons.
- **Number plus** : You can receive a separate receive-only number. (Contact SK Telecom Customer Service Center for details.)
- **Edit supplementary service** : If 011/010 supplementary service connect numbers have been changed, you can change the connect number.
- **Branch/Customer Center** : You can be directly connected to the SK Telecom Customer Center.

6. Using **114

This service provides you with phone number, detailed location, and introduction of the restaurants, hospitals and other NATE cooperate services near the present location of you.



- Press , , , , and on the standby screen to receive the text message. You can also use the same service by pressing [OK] in the received text message.

7. Using NATE Air

This is the broadcasting service provided by NATE, and you can receive news, stock prices, live sports broadcast, videos and other massive information. You have to subscribe for NATE Air to use the service.



1. Subscription



- Press [NATE] on the standby screen.
- If the broadcasting message is received, the 'NATE Air' flickers. The icon is disappeared when you retrieve the message.
- Contact SK Telecom Service Center (1566-0011) or visit NATE Air homepage (<http://air.nate.com>) for details including how to subscribe for the service.

2. Retrieving broadcasting message

1. Channel messages

The received broadcasting messages are stored by channel. When you read the channel messages, the number of read messages and the number of new messages are displayed on the bottom of the screen.

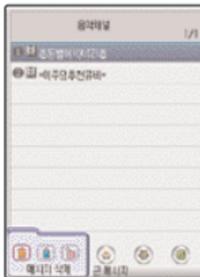
2. New messages

Regardless of the channels, the last received message is displayed on the top of the list.

3. Message box

The received messages are stored in @Playon.

■ Using the broadcasting message menu



- You can select the method of deleting messages from the broadcasting message list.
- You can delete/protect/release protection of the messages.

3. Preferences



Note

- **Set receive status** : You can set receive status by channel.
- **Set alert tone** : You can set alert cycle and alert tone for the received message.
- **Set basic environment** : You can set the method of retrieving the received messages.

4. Adding/deleting channel

- You can add or change channels to receive broadcasting messages by connecting the phone to NATE.
- Service charge is imposed by added channel.

8. Using WINC (mobile address)

You can easily access contents by typing numbers provided by KRNIC instead of the complicated domain. Contact the service provider or visit mobile address WINC homepage (<http://www.winc.or.kr>) for details.

[NATE] Select WINC

Recommended phone pages

Title	Mobile address	Title	Mobile address
SK Telecom	11#011	Song Gwan Ho	592646#007
Club Cyon	25822966#0	KBS	527#0
Yahoo	92466#3	Freechel	815#1
MSN	676#0	Hyundai department store	10000#0
Seoul Bus	287#0	Hoho	4646#0
Photo Meeting	2580#1	Sheek	7244257428464#1
NIDA	6432#0	Gumi cityhall	4864#0

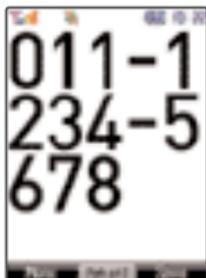
SKT service

9. Using NATE PhoneP

You can use Mobile Cyworld through your phone. For details contact your service provider or visit 'Mobile' in the Cyworld homepage (<http://cyworld.nate.com>).

Enter your phone number on the standby screen → Press

 [PhoneP]



- When you connect to NATE Phone P, you are charged with NATE fee.
- You can select and access to 'Connect Phone P' by pressing  [Menu] after selecting a phone number when you search the phone book.

10. Using 1mm Service

You can enjoy Conversation, Game and View Diary with the 1mm service. Contact your service provider or visit SK Telecom 1mm homepage (www.1mm.com) for details including how to subscribe for the service.

Use  in the 1mm service screen to select the 1mm menu



- In order to prevent the 1mm service from running automatically on the standby screen, select 'Release initial screen' in 'Settings'.
- To view the introduction on the service, service fee and menu, select 'Help' in 'Settings'.
- Press  while using the 1mm service to go to the standby screen.

Sound settings

- | | | | |
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Sound settings

1. Setting ringer tone

You can set a ringer tone sounded when a call is received. Besides the default ringer tones stored in your cell phone, you can use the melody download service provided by your service provider to download various ringer tones.

[Menu] → 2 ABC → 1



When the etiquette mode is released, you can use or to set the volume.

Type of bells

- Default bell : 각 1~7
- Single tone bell : 1~10
- My bell : 1~200
- Live bell : 1~200
- Video bell : 1~999

1. Downloading melody

1. Downloading melody with 700 service

Enter 700 service number → Press

- If you select a desired melody according to the voice announcement, and the message downloaded through 700 service is transmitted, press [OK] to download the melody.
- The melodies downloaded with 700 service are stored in 'Single Tone Bell', 'My Bell' or 'Live Bell' depending on the type of melody.

2. Downloading from NATE

Press and hold [NATE] on the standby screen to connect to NATE

- You can change the downloaded melody into the ringer tone at 'Setting Ringer Tone' in 'Sound Settings'.
- In order to delete a downloaded my bell or single tone bell, select the melody and press [Delete]. You can also delete the downloaded melody from 'Contents Box'. (See P.74, Using My Bell.)

2. Selecting bell/vibration

You can set a ringer tone for incoming call or message.

[Menu] → 2 ABC → 2 ABC



- Even if you change the receive mode in 'Select Bell/Vib', if the phone is in the etiquette mode, the receive mode is not changed. If the etiquette mode is cleared, the phone returns to the previous receive mode.

Bell/Vib icons

- Bell() is displayed
- Vib() is displayed
- Lamp() is displayed
- Bell & Vib() is displayed
- Vib then bell() is displayed
- Bell increase() is displayed

1. Setting etiquette mode

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

- This feature allows you to change ringer tone or alarm tone to vibration or mute mode in order not to obstruct others. However, the ringer tone or alarm tone can be still heard through the ear-mic, even if your phone is set to the etiquette mode.
- In the etiquette mode, is displayed on the standby screen.
- The etiquette mode is maintained when you switch off/on the phone.

In the etiquette mode

- **Vibration** : power on, ring tone, alarm (except morning call), message alert (except when 'message alert' is deactivated)
- **Mute** : ring back tone, power off, message box effect tone, out of svc coverage alarm, menu tone, button tone, slide effect tone, low battery alarm, shutter preparation, 1min timer
- **Emergency alert** : emergency message alert tone
- **Shutter tone** : camera shutter tone
- ※ **What is emergency message?** Emergency message is transmitted by the service provider to notify the users of emergency situation in a specific area so that the users can take the appropriate action.

Sound settings

3. Setting ringer volume

You can adjust the volume of ring tone, effect tone (keytone & slide), information alert tone, alarm tone, phone theme and @Playon.



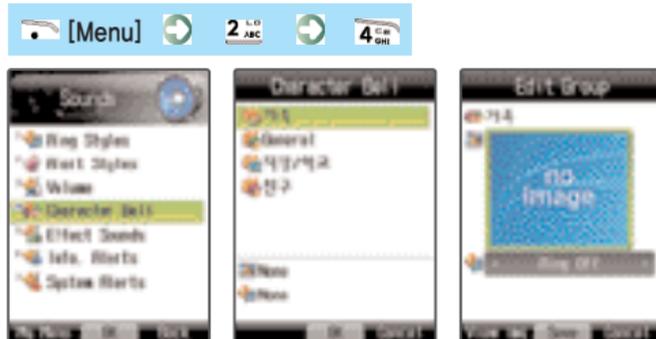
- You can adjust the volume with

Caution

When a call is incoming as the slide is open, the ring tone volume increases gradually from step 1 to the step set by the user. In order to protect your ear, keep your ear away from the earpiece at a distance until the call is received.

4. Setting character bell

You can set graphics and ringer by group in the phonebook.



- Select a group, and press [OK]. If the graphic/bell setting window is displayed, set the bell with [View Graphic]/[View List].
- If no bell or graphic is set by person, the bell or graphic set for a group is displayed. If no bell or graphic is set either by person or by group, the graphic for 'Incoming call' set in 'Screen settings' is displayed and the ringer set in 'Select Ringer' sounds.

5. Setting effect tone

You can set the power on/off tone, keypad tone, slide tone, message box tone and menu tone.



- If you have not set the volume of 'effect tone' to Step 1 or higher with or on the standby screen or if the phone is in the etiquette mode, the effect tone does not sound.

6. Setting information alert tone

You can set various information alert tones.

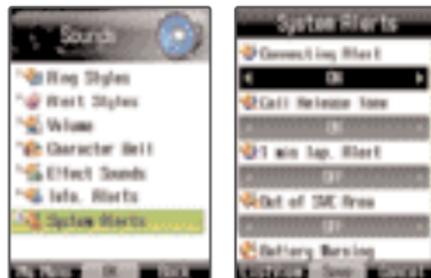


- You can set missed call alert, missed call alert tone, message alert, message alert tone, schedule alert tone, D-day alert tone and meeting planner alert tone.

Sound settings

7. Setting system alarm tone

You can set various system alarm tones.



- You can set ring back tone, 1min timer tone, out of SVC coverage alarm and battery low alarm.

Screen settings

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Screen settings

1. Setting screen

You can change the graphics for 'Standby screen', 'Incoming call', 'Outgoing call', 'Power on', 'Power off' and 'NATE'.

You can download up to 200 graphics from NATE depending on the free memory space. (See P.47, Accessing NATE.)



- You can store the graphics in Main Screen, My Picture, My Gallery, Phone Theme, Photo Box and Video Box. (My Gallery is displayed only when you have download graphics using PC Sync, and Phone Theme is displayed only when you have downloaded a theme.)
- You can view and delete the downloaded graphics from 'My Picture' in 'Contents Box' or from 'Phone Theme' in '@Playon'

1. Downloading graphics

- In the graphic display you want to download, press [Connect].

2. Deleting graphics

- Select the downloaded graphic and press [Delete].

Note

It may take time for the phone to display the graphic depending on the size of the downloaded graphic.

2. Setting standby screen

You can set 'clock type, date/time color, world clock, arrow keys, banner sentence, banner position, and banner color' to be displayed on the standby screen.



- Press [Preview] to view the screen you want to set for the standby screen.
- You can view and set details by pressing [View List]/[View Details].
- You cannot use the 'Set Standby Screen' menu if a phone theme is selected.
- You can select cities when setting World Time in Clock Type.
- You can select color for Date/Time when setting Default Clock in Clock Type.

Note

- **Clock Type** : You can set the display method of date, clock and calendar to be displayed on the standby screen. (Default top/bottom, Big clock top/center/bottom, Big analog clock, Calendar top/bottom, 3-month calendar top/bottom, World clocks 1~2, Clear clock/calendar)
- **Date/Clock Color** : You can select the color for the date and time displayed on the standby screen. (Default top/bottom)
- **World Time** : You can select the desired city out of 49 cities in the world. (World clocks 1~2)
- **Arrow Keys** : You can set the method of displaying the hot connect keys displaying on the standby screen.
- **Banner Sentence** : You can write and insert a banner to the standby screen, or select the stored D-day.
- **Banner Position** : You can select the position of the banner or D-day on the standby screen (top, center, bottom)
- **Banner Color** : You can select the color of the banner.

Screen settings

3. Setting display style

You can decorate the screen.



- Press [View List]/[View Details] to view and set the style.
- You can set the screen theme, font, font size, font color, background transparency level and control transparency level.

4. Setting menu type

You can set the style of menus displayed on the screen.



- Press [Switch] in the Select Menu mode to change the menu type.
- Press [Preview] during the setting to preview the menu type.

5. Setting number font

You can set the style of numbers displayed on the screen.



- Press [Preview] during the setting to preview the number font.
- Press during entering numbers on the standby screen to change the font.

6. Setting backlit

You can set the backlit timer for standby screen and keypad.



- You can set the backlit timer for standby screen and keypad.
- If you don't press any key until the backlit timer is expired while the slide is open, the standby screen automatically switches into economy mode, and the backlit gets off in a while.



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Contents box

1. Using My Bell

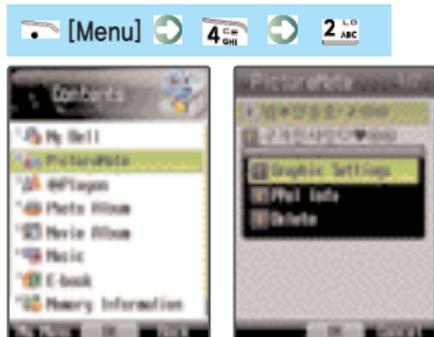
You can check My Bell downloaded from NATE, check bell information or delete bell. (See P.62, Downloading Melody.)



- Press [Connect] to download bells from NATE.
- Press [Menu] to set ringer, view bell information or delete bells.

2. Using My Picture

You can set, view or delete My Picture downloaded from NATE.



- Press [Connect] to download My Picture from NATE.
- Press [Menu] to set graphic, view picture information and delete pictures.

3. Using @Playon

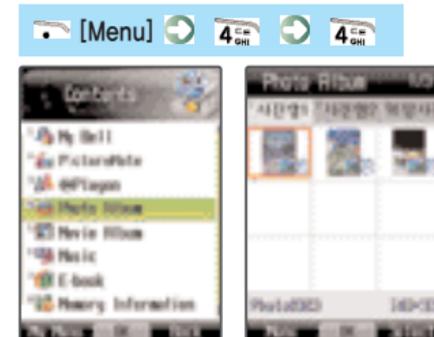
You can view and play the contents stored in @Playon. (See P.48, Using @Playon.)



- Press [Menu] to manage @Playon (modify, move position, move folder, information), delete contents, add folders, delete all, or set preferences.

4. Using Photo Album

You can save and manage the photos taken with the phone or received via color mail. (See P.122, Photo Album.)



- Press [Menu] to display the menus (Delete, Set Screen, Color Mail, My Album, ImageCall, Edit Photo, Move/Copy File, File Information, View/Sort Method, Manage Folder, Select All in Folder, Delete All from Folder).



Contents box

5. Using Video Album

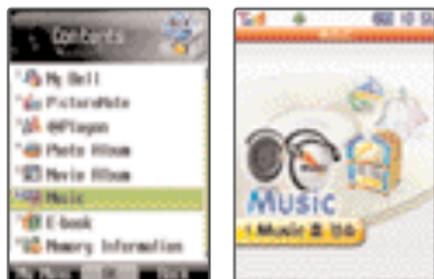
You can save and manage the video clips taken with the phone or received via color mail. (See P.126, Video Album.)



- Press [Menu] to display and use the menus (Delete, Set Screen, Set Bell, Color Mail, Move/Copy File, File Information, Sorting Method, Folder Management, Select All in Folder, Delete All from Folder).
- You can set the video taking mode to video mail. The video clip of not bigger than 950kbyte can be sent via a color mail.

6. Using Music

You can save, play and manage the music contents downloaded from NATE. (See P.50, Using Music.)



- This is the same with the 'Music' menu of 'SKT Service'. Press on the standby screen to go to 'Music' menu.

7. Using E-book

You can view the text file on the phone. See 'Help' for details.



- The phone provides the space for up to 200 E-books, with maximum 1024K per a E-book file. The number of files to be stored in the phone varies depending on the file size.

E-book buttons

	Move page		Start page
	Move line		End page

8. Managing memory

You can check the overall capacity of the built-in memory, used space, free space, and details of the used space.



- Select an item of details of the used memory, and press [OK] to display the menu of the selected item. (excluding music and others.)

9. Managing external memory

You can check the overall capacity of the external memory, used space, free space, and details of the used space.



- The external memory must be mounted on the phone.
- Select an item of details of the used memory, and press [OK] to display the menu of the selected item. (excluding music and others.)

Organizer

1. Managing schedule	80	5. Using memo	87
2. Viewing schedule	81	6. Using D-day	87
3. Setting alarm	82	7. Using calculator	88
4. Using E-dictionary	84	8. Checking World Time	89

1. Managing schedule

If you save your schedule (Schedule, To Dos, Anniversaries and etc.), the phone sounds alarm on the appropriate date, and displays the content,



Note

- **Schedule** : You can set a cycle, the alarm sounds at the designated cycle.
- **To Dos** : If you set the start date and end date for to dos, the designated period is displayed in block on the calendar.
- **Anniversary** : You can set the anniversary to 'every year' or 'holiday'.

- In the Schedule Management mode, if you select Schedule, To Dos or Anniversary with , you can add up to 180 new schedules, new to dos and new anniversaries respectively.
- If you select 'Calendar Top/Bottom' or '3-months calendar Top/Bottom' in 'Setting Standby Screen', the schedule items (schedules, to dos, anniversaries) are displayed in different colors. If the 3-months calendar Top/Bottom is selected, the schedule items are displayed in different colors on the current months only. (See P.69, Setting Standby Screen.)

2. Viewing schedule

You can check the schedules (schedules, to dos, anniversaries) you have saved.

1. All Schedules



- You can view the schedules you have added in Schedule Management.
- Press  [New Schedule] to add a schedule.

2. All To Dos



- You can view the to dos you have added in Schedule Management.
- Press  [New To Do] to add a to do.

3. All Anniversaries



- You can view and delete the default legal holidays and the anniversaries you have added in Schedule Management.
- Press  [New Anniversary] to add an anniversary.

※ If your press  [Menu] when viewing 'All Schedules', 'All To Dos' and 'All Anniversaries', you can view the items 'By Month'. You can also delete an item or all items.

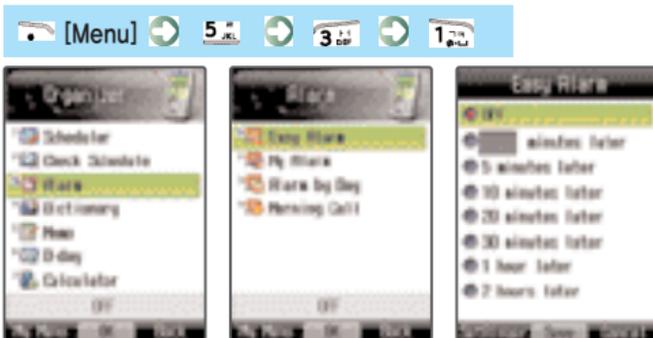
3. Setting alarm

The alarm goes off with bell or vibration at the designated time to remind you the time.

Note

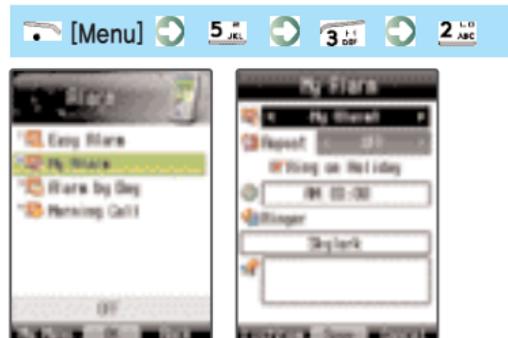
- Press and hold **0** on the standby screen to set an alarm.
- If an alarm is set,  is displayed on the screen. The icon is disappeared when the alarm is cleared.
- If you have not designated the alarm tone, the phone sounds the default alarm tone.(Default alarm tone: Lark)
- If the phone is in the 'Vibration' or 'Etiquette' mode, the phone vibrates for alarm. (except the morning call.)
- If you select 'Holiday Alarm' (including the anniversaries set as 'holiday'), the alarm goes off on the holidays.
- The alarms set to the same time has the following priority order. (Short Alarm → Morning Call → My Alarm1 → My Alarm2 → My Alarm3 → Alarm by Day → Schedule Reminder → Anniversary Reminder → D-day Reminder → Meeting Planner)
- You can stop alarm by opening/closing slide, or press  or ,  and  [Cancel] when Short Alarm, My Alarm and Alarm by Day go off.

1. Short Alarm



- If the designated timer for short alarm expires, the alarm goes off once, and then, automatically cleared.
- You can set time by 1~999 min.
- You can set alarm tone with  [Set Bell].

2. My Alarm



- You can set up to three My Alarms by setting the time and alarm cycle.
- You can take memos for My Alarms (1~3), and the memos are displayed at the time of My Alarm.
- Up to 20 alarms, schedule reminders, anniversary reminders and D-day reminders can be set to the same time.

3. Alarm by Day



- You can select a day for alarm.
- You can take only one memo regardless of the day of the week. The memo is displayed when the alarm goes off.
- You can select the desired day of a week with  [Select]. If you press it again, the alarm is cleared.

4. Morning Call



- You can set the time of repeats and time cycle for morning call.
- When the morning call goes off, you can clear morning call by pressing [Cancel] regardless of the morning call settings.
- Even if you open/close slide, or press [Home] or [Back], the morning call goes off by the repeat counter set by you.

4. Using E-dictionary

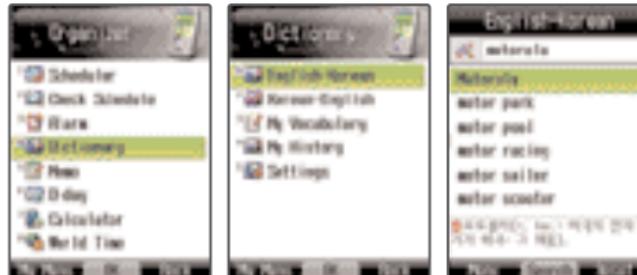
You can search word in English-Korean/Korean English.

- Press [Home] on the standby screen to use the E-dictionary function.

Note

When searching words in English-Korean/Korean-English dictionary, if you press [Menu], you can use various functions such as View List, View English-Korean/Korean-English Dictionary, Book Mark, My Vocabulary, and Add to My Vocabulary.

1. English-Korean dictionary



- If you enter an English word on the Search field, the matching words are displayed.
- Select a word and press [Search] to view description.
- You can move/release tab by pressing [Move Tab]. You can select a word in the description with [Home] or [Back], and search the word by pressing [Search].
- Press [Back] to return to the previous word.

2. Korean-English dictionary



- If you enter a Korean word on the Search field, the matching words are displayed.
- Select a word and press [Search] to view description.
- You can move/release tab by pressing [Move Tab]. You can select a word in the description with [Home] or [Back], and search the word by pressing [Search].
- Press [Back] to return to the previous word.

3. My Vocabulary



- You can save the words you have searched in the vocabulary.
- When searching words in the dictionary, press [Menu] and select Add to My Vocabulary to save the words in My Vocabulary folder.
- Up to 1000 words can be stored in a folder.
- Press [Menu] to use various functions including Set/Release Study, Delete, Move Words, Sort (in English/Korean spelling order, by date), Manage Folder (rename folder, lock folder), Delete All in File, and Select All in File.
- Press [Select] to select the words and press [Menu] to use the functions such as Set/Release Study, Delete, Move and Release All.

4. Bookmark



- Up to 100 words which have been searched in Korean-English dictionary and English-Korean dictionary are stored, respectively.
- If the capacity is exceeded, the existing words are deleted in time sequence.

5. Preferences



- You can set/release auto saving and select fonts.

5. Using memo

You can take up to 50 memos in the phone.



- Press [New Memo] to take memo.
- Up to 48 Korean letters or 96 English letters are allowed in a memo.
- You can edit memos with [Edit].
- To delete memos, press [Memo] and select Delete or Delete All.

6. Using D-day

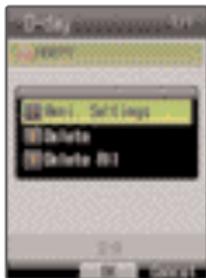
You can set D-Day for an important anniversary or important schedule.



- Press [New] to enter a D-day.
- You can save 10 Korean letters or 20 English letters for D-day, and set the date earlier than 2099/12/31.
- If you select 'Display on Standby Screen' the D-day is displayed on the standby screen.

Organizer

Using D-day menu

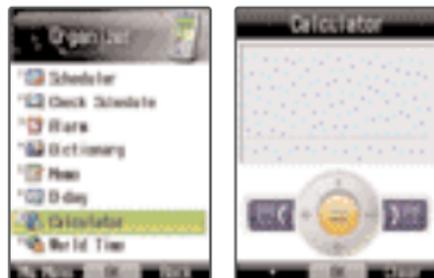


참조

- **Save Anniversary** : You can save the selected D-day as an anniversary.
- **Delete** : You can delete the selected D-day.
- **Delete All** : You can delete the all the D-day items.

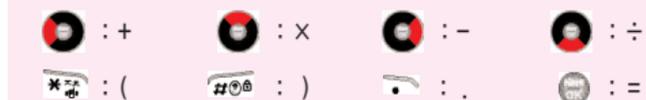
7. Using Calculator

You can calculate the simple operation.



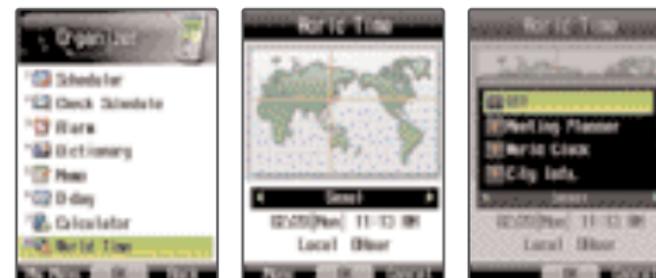
- Press [Reset] to reset the calculator after finishing calculation.
- You can use the operation symbols several times in a calculation.
- When entering numbers or symbols, press to delete a character, and press and hold to delete all.

Operation symbols



8. Checking World Time

You can display the current time of the major cities in the world (49 countries).

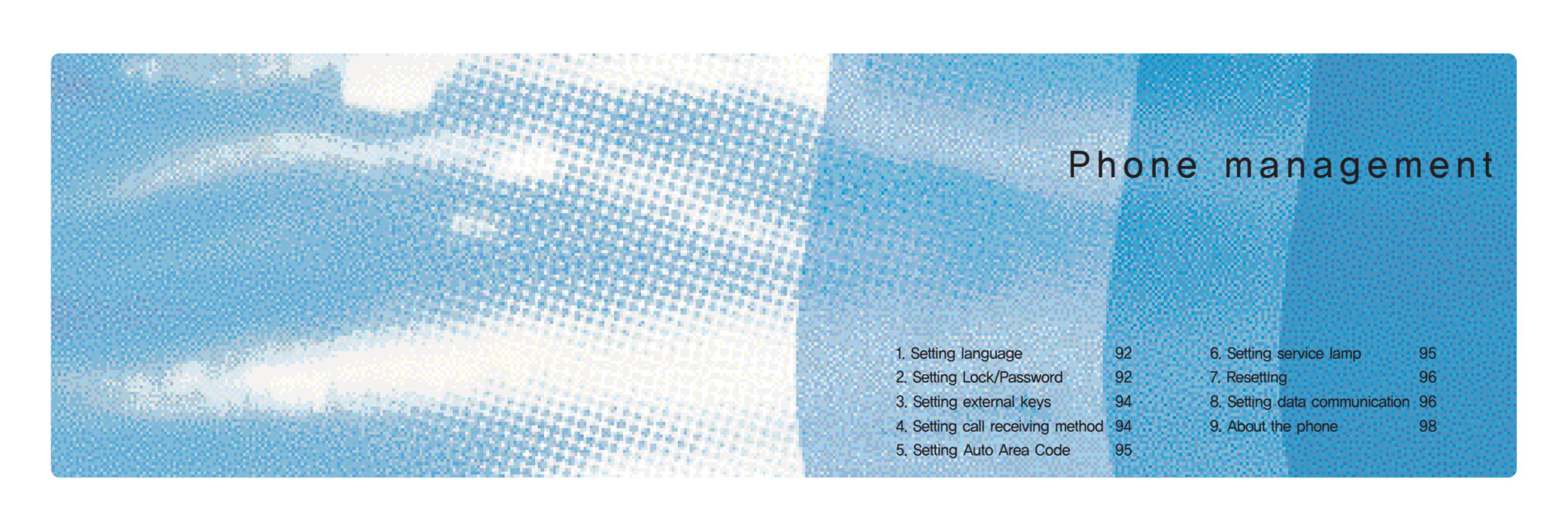


- Press [OK] to display the country, country code, area code, emergency number/information of the selected cities.

Note

- **Daylight Saving Time (DST)** : You can set the DST of the selected city.
- **Meeting Planner** : You can set the alarm to the local time of the selected city.
- **Dual clock** : The local times of your area and the selected city are displayed on the standby screen. Select Clock Type 1~2, and press [Preview] to preview the screen.
- **Information** : You can view information on the selected city.





Phone management

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2. Setting Lock/Password	92	7. Resetting	96
3. Setting external keys	94	8. Setting data communication	96
4. Setting call receiving method	94	9. About the phone	98
5. Setting Auto Area Code	95		

Phone management

1. Setting language

You can select the language to be displayed on your phone (Korean or English)



- Even if you select English, some functions are displayed in Korean.

2. Setting Lock/Password

You can set the password to prevent the phone from being used by other persons.

The default password when you purchase this product is '0000'.

1. Lock all



- All the phone functions are locked.
- You can set Lock All by pressing and holding **#00** on the standby screen.
You can still receive the call even when the phone is locked.
- The phone maintains the lock even if you switch off/on the phone.

- You can still place the emergency calls (111, 112, 113, 119) or use the Speed Dial 1.
- When you receive a call, the lock mode is released temporarily, and the phone returns to the lock mode after the call. In order to release the lock mode completely, press and hold **#00** and enter the password, or select 'Release' in the Lock All menu.

2. Privacy Lock



- You can lock the desired function only.
- Press **[Select]** to lock several functions. In order to release the lock mode, press **[Release]**.
- If you select 'Hide Caller', the registered caller name is not displayed on the call history. However, the calling number is displayed.

3. Call Filtering



- You can restrict origination to overseas or 700/0600 numbers.

4. New Password



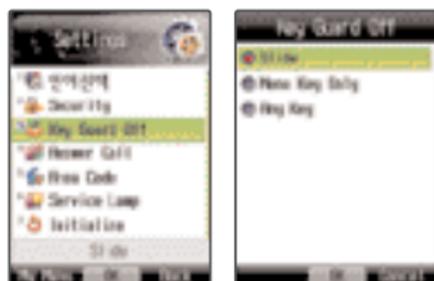
- You can change the password.
- If you lose your password, you have to visit the service center in person with the ID card. Be sure not to forget our password.
- **Motorola takes no responsibility for any damage caused by leakage of password.**



Phone management

3. Setting external keys

If the slide is closed and the phone is in the economy mode, you can activate the phone with the method set by yourself.



- Note**
- **Open slide** : The phone is activated when you open the slide.
 - **Menu key** : The phone is activated if you press [Menu] when the slide is closed.
 - **Any key** : The phone is activated if you press any key when the slide is closed (except , or).

4. Setting call receiving method

You can set the method to receive the incoming calls.



- Note**
- **Open slide** : Open the slide to receive calls.
 - **Any key** : Press any key except to receive calls.
 - **Send button** : You have to press to receive calls.
 - **Auto connect in 3 sec** : The call is connected automatically in 3 sec after the ring tone.

5. Setting Auto Area Code

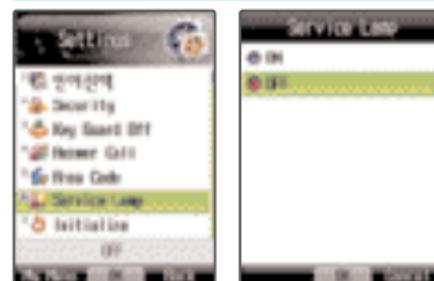
You can set the most frequently used area code.



- If you set the auto area code and enter the number starting with '0' on the standby screen, the area code is not displayed, and only the number you have entered is displayed (e.g., mobile phone number, international code, other area code).
- To release the area code, select 'Release' in the 'Auto Area Code' list.
- You can enter the area code of up to 5 digits.

6. Setting service lamp

If the phone is in the standby mode, the service lamp indicates the service status.



- If you select the service lamp function, the lamp around the navigation button of the phone blinks.

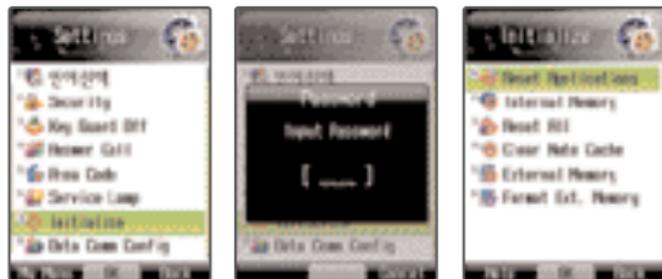


Phone management

7. Resetting

You can reset the phone to the status when you purchased the phone.

[Menu] → 6 → 7 → Enter password



- The phone gets automatically switched off and rebooted. If the phone fails to reboot, press to turn on the power.
- When selecting the item to be reset, press [Help] to use the help function.

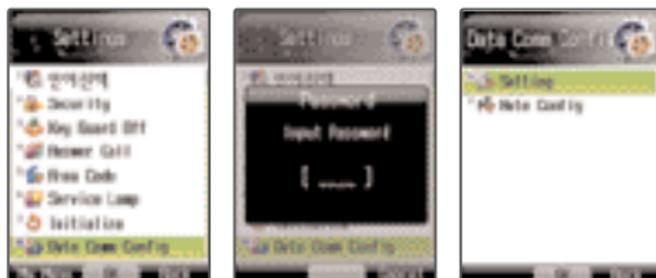
8. Setting data communication

You can use Internet, search information and send/receive e-mails without any modem, by connecting the mobile phone to your notebook or PC with the USB data cable. Contact the Customer Center (1588-6633) for details.

1. Preferences

Preferences → [Menu] → 6 → 8

Enter password → 1



Note

- **Receive call during connection to NATE or modem:** You can allow call reception while the phone is connected to NATE or modem.
- **Modem reception mode :** You can allow call reception mode of the phone (Data, Fax, Voice) for receiving data.
- **Modem communication port :** You can set the communication port for data reception.

2. Setting NATE

[Menu] → 6 → 8 → Enter password → 2

Note

- **Home URL :** You can set the address first accessed for wireless Internet.
- **Proxy :** If the service provider extends the proxy, and adds or deletes address, you can set the proxy at your own discretion.
- **Reset :** You reset the home URL and the proxy value to the default value.

What is Proxy?

Proxy is the server located between the user and the service server to speed up data transmission. When the user requests a specific data, the data stored in the proxy, rather than the concerned server, are sent to the user.

Phone management

9. About the phone

You can check the S/W version of the phone.



Note

You can upgrade the software of the phone.

Visit Motorola's homepage (www.mymotorola.co.kr) or contact the Customer Service Center (1588-6633) on how to acquire and use the software upgrade program.

Convenient functions

1. Setting Auto Answer	100	5. Using Biorhythm/Fortune	104
2. Using Voice Memo	102	6. Using Photo Diary	106
3. Using Stop Watch	103	7. Using capture screen	107
4. Using My Sentence	103	8. Using removable disk	107

Convenient functions

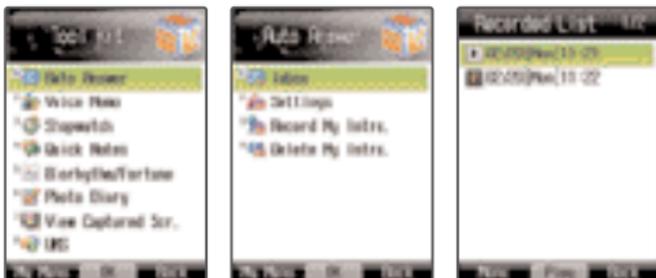
1. Setting Auto Answer

If you cannot receive incoming calls, you can set the phone to direct the calls to the auto answering function.

Note

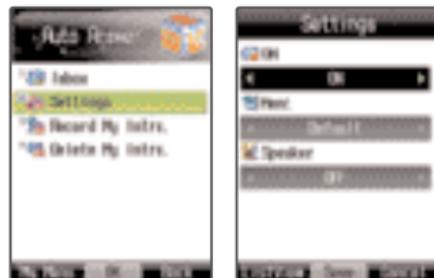
- You can listen to the recorded messages in 'Auto Answer Message'.
- Up to 200 files consisting auto answer messages and the recorded voice messages can be stored. (The time limit is related to the capacity indicated during recording.)
- If the memory space is full, 'No free space for recording' is displayed.
- Even if the auto answer is selected, 'Missed Call' is displayed if you failed to receive calls.
- You can use the auto answer function by pressing  on the standby screen.
- You can receive the call by pressing  [OK] while the caller is recording voice message.
- If you press and hold  for an incoming call, the call is switched to auto answer function.

1. Auto Answer Message



- You can retrieve the voice messages recorded in the auto answer machine.
- You can rename the auto answer file, delete a file or delete all file by selecting  [Menu].

2. Setting Auto Answer



- You can enable the auto answer function and select the announcement.

Note

- **Set** : You can enable the auto answer function.
- **Announcement** : You can select the auto answer announcement.
- **Speaker**: You can set the voice message of the caller to be heard through the speaker.

3. Recording My Announcement



- You can record the auto answer announcement with your own voice.
- After recording the announcement, 'Announcement' of 'Set Auto Answer' must be set to 'My Announcement'.
- If you record the announcement again, the existing announcement is deleted.
- You can pause recording with the  [Stop] button, and resume recording by pressing  [Record].
- In order to save the announcement, you press  [End].
- If you cancel recording, press  [Cancel] during recording. You can check the recorded announcement by pressing  [Prehear].

4. Deleting My Announcement



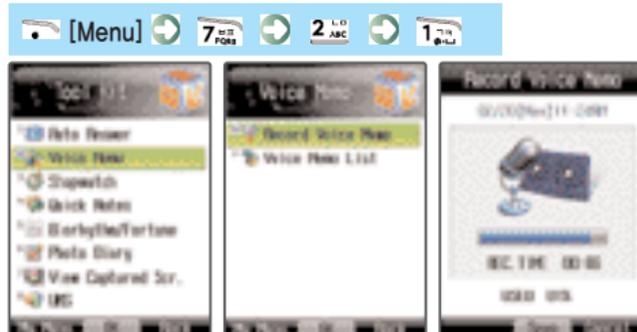
- You can delete the recorded announcement.
- You cannot delete the basic announcements (Default, Driving, Meeting, Class).

Convenient functions

2. Using Voice Memo

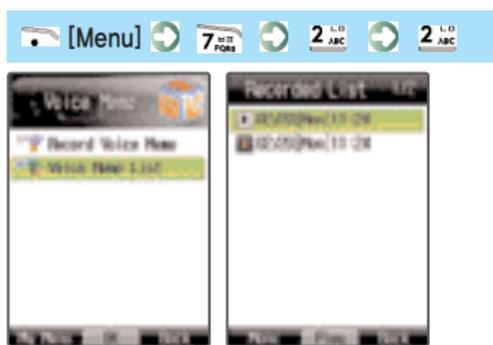
You can record and check the voice memo.

1. Recording voice memo



- Up to 200 files consisting auto answer messages and the recorded voice messages can be stored. (The time limit is related to the capacity indicated during recording.)
- If a call received during recording voice memo, the memo recorded just before the incoming call is saved. You can check the recorded memo in 'Voice Memo List'.
- To cancel recording, press C_u or C_a [Cancel].
- If you select 'Record Voice Memo' as the memory space is full, 'No free space for recording' is displayed. In this case, you have to delete the files from 'Voice Memo List' before recording voice messages.

2. Voice Memo List



- You can play and manage the recorded voice memo.
- Press M [Menu], and you can rename, delete, or delete all files.
- You can listen to the recorded voice memo through the speaker if you press S [Speaker].

3. Using Stop Watch

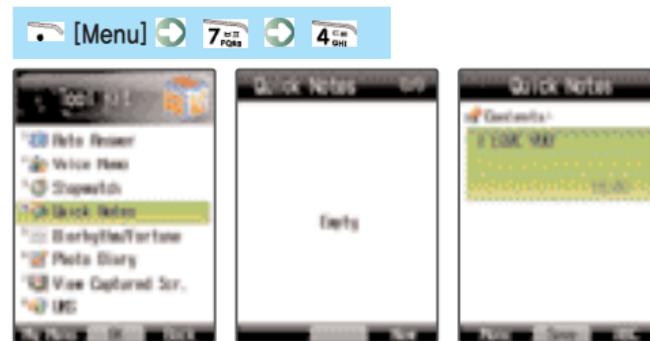
You can use the phone as the stop watch.



- If you press R [Resume] as the phone stops counting, it resumes counting.
- If you press R [Reset] as the phone stops counting, the stored records are deleted and the stop watch returns to zero.
- You can record up to 20 lap times by pressing L [Lap Time]. The lap times are stored even when the slide is closed.
- The stop watch continues counting when you close the slide.
- The stop watch stops counting if there is an incoming call.

4. Using My Sentence

You can save up to 20 most frequently used sentences and import them at any time.



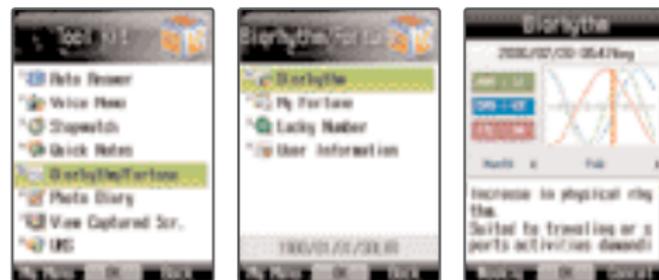
- You can enter up to 20 Korean letters and 40 English letters or numbers in a sentence.
- Press N [New] to add a sentence.
- You can use symbols and previously saved my sentence by pressing M [Menu] when writing a sentence.

Convenient functions

5. Using Biorhythm/Fortune

Enter the date of birth to check your biorhythm, fortune, and lucky number.

1. Biorhythm



- Your monthly, weekly and daily biorhythm are provided with physical, emotional and intelligent index with interpretation.
- You need to set the preferences at the first use. (See P.105, Preferences.)
- Press [Monthly]/[Weekly] to check the biorhythm.
- You can check the daily biorhythm by selecting on the weekly biorhythm displayed.

2. Fortunetelling



- You can read the fortune of today or a specific day.

3. Lucky number



- You can check your 6 lucky numbers.

4. Preferences



- Enter your date of birth to use the biorhythm service, fortunetelling service and lucky number service.

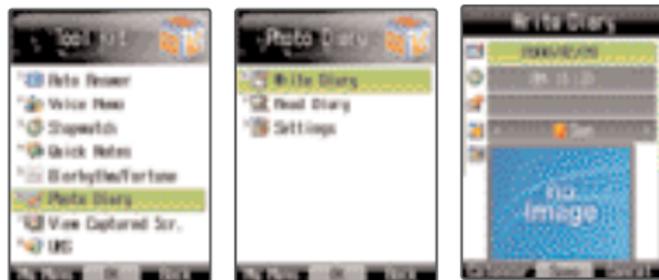


Convenient functions

6. Using Photo Diary

You can write and manage diary on the phone.

1. Writing Photo Diary



- You can write your diary with the photos stored in 'Photo Album'. However, you cannot select the photos stored in the portable disk (T-Flash).
- The photos used in the photo diary are not deleted even if the same photos are deleted from the 'Photo Album'.
- You can store up to 180 photo diaries and cannot duplicate diaries on the same date.

2. Viewing Photo Diary



- You can view, delete or edit the stored photo diary.
- You can change the setting of photo diary view (Enlarge, View List, View Calendar, View Photo).

3. Preferences



- You can select fonts and background for photo diary.

7. Using capture screen

You can use the offline view of the data captured from NATE. However, you cannot switch the link.



- Press [Menu] on the web page and select 'Save Captured Screen' in 'Useful Tools'. You can rename data before saving it.
- Press [Delete] in order to delete the stored captured screen from the list.
- If you select 'Reset NATE Cache' in 'Reset' of 'Phone Management', all the captured data are deleted.

8. Using removable disk (T-Flash)

You can transmit various contents and MP3 files if you connect the phone with PC via the USB data cable. (See P.54, Using MP3.)



1. Viewing removable disk

- ※ The T-Flash must be mounted on the phone.
- ※ Connect the USB data cable between the PC USB port and the connector of the phone.
- ※ Before connecting the USB data cable, visit the Motorola's home page (www.mymotorola.co.kr) and download the USB driver program.

- The MP3 files downloaded to the removable disk through your phone cannot be played on other phone.
- The list of MP3 files stored in the removable disk can be viewed in SKT Service or in 'Music' of the Contents Box. (See P.50, Using Music.)
- You cannot play the MP3 files or contents if you rename or delete the basic folders of the removable disk.

Convenient functions

2. Inserting removable disk (T-Flash) (The removable disk is not included in the product package.)



- Remove the battery and mount or remove the T-Flash.
- The T-Flash icon is displayed on the screen when it is mounted on the phone.
- Be sure that the removable disk is mounted to the correct direction, or the slot can be damaged.
- Do not give excessive force to remove the removable disk in use, or a critical system error or defect may occur.
- If you switch the power while using the data stored in the removable disk, the data on the disk can be erased.
- Insert the removable disk to the phone and format the disk before you first use the disk or if there is an error on the disk.
- Keep the removable disk away from the location with the source of damage or defect. Do not give impact or bend the disk.(Hot and humid place, the place with corrosive material or the place with magnetic wave or static electricity)

※ Motorola takes no responsibility on loss or damage of data caused due to negligence or mishandling of the user.

Phonebook

1. ImageCall	110	6. Managing speed dial numbers	115
2. Using phone name card	111	7. Using Call List/Time	115
3. Searching phone number	112	8. Registering call rejection	116
4. Registering phone number	113	9. Checking memory status	116
5. Managing group	114	10. Checking My Number	116

Phonebook

1. ImageCall

When you originate a call, you can display a specific image, message or emoticon on the receiver's phone.



Note

- **ImageCall** : You can edit your photo with various effects, or buy illustrations, caricatures or characters, and send them to the receiver.
- **Lettering Plus** : You can select a background and font color for the message and emoticon you want to send to the receiver. You can also use various services for the ImageCall service.
- **My Setting** : You can change the default setting or your selection for the ImageCall service or the lettering plus service.
- **Receiving environment** : You can change the environment for incoming ImageCall or lettering plus call.

※ You need to subscribe to the ImageCall service to use the above-mentioned features.
Refer to the guide or the SKT World homepage (<http://www.sktworld.com>) for details including the service fee.

2. Using phone name card

You can save, exchange and manage name card data on the phone.



Note

- **Name Card Address Book** : You can view and manage phone numbers by group.
- **Phone Name Card Book** : You can store, view and manage the received phone name cards by group.
- **My Phone Name Card** : You can view and manage your photo name card.
- **New Phone Name Card** : You can view the recently received name cards.
- **Request Phone Name Card** : You can request others their phone name cards.
- **Anniversary Reminder** : Reminds you anniversaries.
- **Name Card Address Management** : You can download name cards from the server, and manage them on the phone.
- **NATE Photo Name Card Service** : You can register your photo name card to NATE My Photo Name Card.
- **Move Address Book** : You can synchronize address book between the phone and NATE.
- **Useful Phonebook** : You can search phone numbers which are useful in living.
- **Help** : You can view guidelines on the phone name card related services.

※ Accessing NATE to use the phone name card will be charged if required.

Phonebook

3. Searching phone number

The stored phone numbers are sorted in the alphabetic order of names.

1. Search All



- Press [Phonebook] on the standby screen to display 'Speed Dial', 'All' 'Group'.
- Select a phone number and press to place a call to the number.
- You can view or edit the entire phonebook you have entered.

2. Search by Name



- You can search phone number by name.

3. Search by Group



- You can search phone number by group.
- Press [New Group] to add a group.

4. Search Speed Dial



- You can view the speed dial number if any.
- If you enter a speed dial number in the search window, the list of the stored speed dial numbers are selected automatically.

5. Search Number



- If you enter a phone number, the phonebook entry of the phone number is displayed.

Using menu during searching phone number

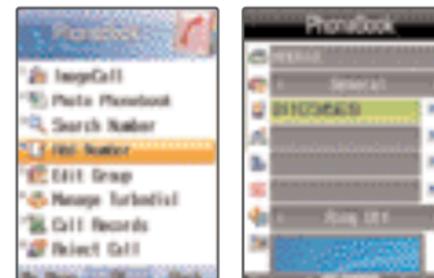
Note

- **Send Message** : You can send a message to the selected phone number..
- **Message Call** : You can record and send a voice message.
- **Send E-mail** : If you have saved the E-mail address, you can send an E-mail to the stored address.
- **Set Representative Number** : If two or more numbers are stored for a person, you can set the representative number.
- **Register Speed Dial** : You can designate a speed dial number for the selected phone number.
- **Connect Phone Page** : You can connect with the NATE PhoneP. (See P.60, Using NATE PhoneP.)
- **View/Send Phone Name Card** : You can view or request phone name card, and send your card.
- **Delete** : You can delete a searched number.
- **Delete All** : You can delete all the searched numbers.

4. Registering phone number

You can save phone numbers on the phone.

1. Saving phone number in the menu



- Press [Representative Number], and then, press the representative number and [Speed] to assign a speed dial number.

Phone number icons



Phonebook

2. Saving phone number on the standby screen

Enter a phone number Press [Save]



- If you select 'Save on Existing Name' when saving phone number on the standby screen, you can add or modify the existing phone number of the phonebook.
- The phone can store up to 2000 phone numbers.

5. Managing group

You can manage groups in the phonebook.



- If you press [Menu], you can use Edit Group, Delete Group, Delete All Groups and Move Name between Groups.

6. Managing speed dial numbers

You can assign speed dial numbers to the frequently used phone numbers.



- On the standby screen, if you press the registered the speed dial number, holding the last digit, the phone dials the registered phone number. (See P.35, Placing a call with speed dial number.)
- The phone can store up to 200 phone numbers.
- If you press [Menu], you can use Edit Speed Dial, Move Speed Dial, View All, Delete, and Delete All.

7. Using Call List/Time

You can view the call list with call times.

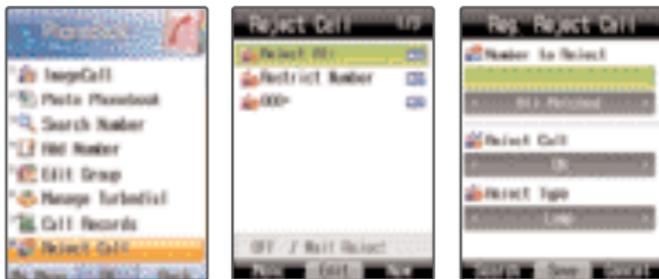


- If you press [Menu] while viewing the call list, you can manage the call list and other various menus.
- If you press [Reset] while viewing the call time and sent message count, the call time is reset to Zero. (You cannot reset the total origination call time.)
- The call time is counted from the point the ringer is generated, and charging begins after the call is connected.
- The 'Incoming Call List' and the 'Missed Call List' are generated only when you have subscribed for the 'Calling Line Identification Presentation (CLIP)' service. If you don't use the CLIP service or the caller uses the Calling Line Identification Restriction (CLIR) service, 'No Number' is displayed in the 'Incoming Call List' and the 'Missed Call List'. Contact the service provider for details.

Phonebook

8. Registering call rejection

You can register a phone number you want to reject.



- Press [Edit] to set/release call rejection or to change the method of call rejection.
- Press [New] to a phone number to the call rejection number list.
- Press [Menu] to delete a rejected number or all the rejected numbers.
- The 060* numbers cannot be deleted if Reject All or Reject CLIR Calls is selected.



Note

- **Reject All** : You can reject all the incoming calls.
- **Reject CLIR Calls** : You can reject the incoming 'Calling Line Identification Restriction (CLIR)' calls.
- **060*** : You can reject reception of calls from 060 numbers.

9. Checking memory status

You can check the memory status of the phonebook.



- Press [Reset] to reset memory.
- If you reset the memory all the phone numbers in the phone are deleted.

10. Checking My Number

You can view your own number.



Camera

Before using camera	118	5. Requesting printing	131
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Camera

Before using camera

- Have the object stand still when you taking a photo.
- Grasp the phone with both hands to prevent shaking.
- Rub the camera lens with soft cloth.
- Battery consumption increases when using the camera.
- It is recommended to take photo outdoor or inside the room with light. If you take the photo, set the setting bright as much as possible.

Precautions

- Do not take photo or video when you are not permitted or which may intrude other person's privacy. You may have to compensate for violation of portrait or intrusion of privacy.
- Taking and distribution of candid photo via Internet is a criminal act and is subject to civil/criminal punishment.
- Do not take photo or video where it is forbidden.
- In order to prevent misuse of camera phone, this product is designed to sound the camera tone in accordance with the relative regulations.
- Observe the camera etiquette, and do not modify the camera tone at your own discreet.

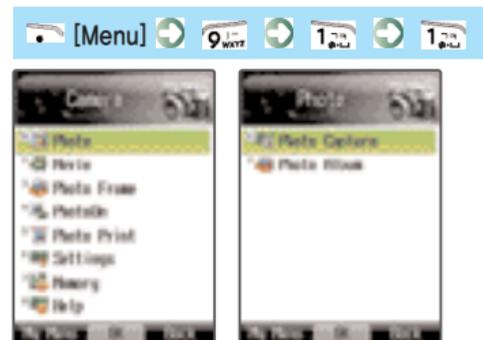
Cautions for using camera

- Avoid the place with the cause of defect. (Hot and humid place, the place with sudden fluctuation of temperature and humidity, direct sunlight, strong magnetic wave, or heat or volatile material)
- Be careful that dust or sand should not infiltrate into the phone.
- The camera lens is weak to impact. Do not drop the phone or give strong impact.
- Do not face the lens to the sun or strong light. The camera lens can be damaged.
- 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.

1. Using photo

You can take and manage photos.

1. Taking photos



- Press on the standby screen to display the camera menu. If you press and hold the button, the phone switches into the photo preview mode.
- When saving the photo, if you press [Menu], you can use the photo for Color Mail, My Album, My Phone Name Card and ImageCall. Press [Save] to rename the file, and press [Save] again to save the photo.
- If a call is incoming while in the camera mode, the phone switches into the receive mode, and you can receive the call. Even if the call is ended, the phone does not automatically return to the camera mode.

Note

- Press [Shoot] or to take a photo.
- You can zoom in/out with or .

Camera

1. Icons for camera mode.

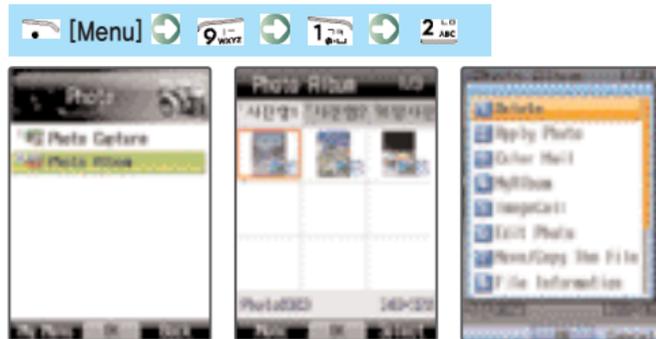
Select a function with , and press  to set the function.

Icon	Description
	ZOOM : Enlarge the remote object. (You cannot use this function for the photo size 1280×960.)
	Brightness : You can adjust brightness of the photo.
	Contrast : You can adjust sharpness of the photo.
	Effect : You can use various colors and filtering effects.
	Frame : You can put the photo in various photo frames. (Supported size : 320×240)
	Up/down reversal : You can reverse up/down of the photo.

2. Setting camera menu

Item	Icon	Description
Shooting mode		If you select photo, video or video mail, the phone switches into the preview mode of the selected function.
Size		You can set the size of photo  : Background,  : 1280×960,  : 640×480,  : 400× 300,  : 320×240,  : 176×144
Resolution		You can set the resolution of the photo • High : for printing • Normal : for downloading to PC or for E-mail • Low : for saving in the phone
Preferences		You can set the auto exposure depending on the shooting environment
Continued shooting		Auto continued shooting (You can use this function for the photo size of background or 1280×960.)
Timer		You can use the timer.
Memory selection		You have to select whether to save the photo in the phone or in the subsidiary memory (T-Flash).
Memory		You can check the total memory and the remaining free space.

2. Phone Album



- You can view and manage the photos.
- If you press [Album] in the Photo Preview mode, you can access Photo Album.

Note

- **Delete** : You can delete a selected photo.
- **Setting Display** : You can set a selected photo to background, standby screen, incoming call, outgoing call, power on, power off and NATE access screen.
- **Color Mail** : A selected photo is immediately attached to Color Mail.
- **My Album** : You can store the selected photo in NATE My Album.
- **ImageCall** : When you originate a call, you can display a specific image, message or emoticon on the receiver's phone.
(See P.110 on how to use the Imagecall menu)
- **Photo Edit** : You can edit it only if resolution is to be below 640 x 480.
 1. **Cut** : You can cut your desired part only on the photo.
 2. **Adjust Size** : You can adjust all size of photo.
 3. **Adjust Direction** : You can edit your photos to desired direction.
 4. **Make Effect** : You can make effect to your photo.
 5. **Put to Frame** : You can make frame on the photo.
- **Move/Copy File** : You can move/copy the photo between the folders.
- **File Information** : You can view and edit photo, and set protection or lock.
- **View/Sort** : You can view photos in the selected folder, and sort the photos (in the order of shooting time, name, file size and resolution).
- **Manage Folder** : You can rename folder and set/release lock.
- **Select All in Folder** : You can select all photos in a folder and move/copy, lock, release all or delete photos.
- **Delete all in Folder** : You can delete all the photos except the protected ones.

※ Some functions (Set Screen, Move/Copy Folder, Select All in Folder) are restricted in the external photo folders.

Camera

2. Using movie

You can manage video taking functions and the video files.

1. Taking videos



- You can cancel the video by pressing [Cancel], or pause the video by pressing [Pause].
- If you press [Color Mail] when saving a video file, you can attach the video file to a color mail. You can also rename the file with [Save] or [OK].
- In order to save a video file, rename the file and press [Save].
- If you receive a call during taking the video, the video taken by that time is automatically saved. After the call is ended, the phone returns to the video preview status.
- You can take the video of up to 30 minutes, and attach the video file of up to 950 Kbyte to the mail.

Note

- Press [Shoot] or [OK] to take the video.
- In the preview mode, use [Left] or [Right] to zoom in/out.
- If a call is incoming while taking a video, the incoming call message is displayed, or the phone is switched into the receive mode depending on the settings. You can receive the all by pressing [OK]. (See P.131, Receiving call during recording.)
- In the preview mode, select [Menu] to select the video mail. (It is set to take video in the optimum conditions for color mail (MMS). You can view the video in the Video Album.)

1. Icons used in taking video

Select a function with [OK], and press [OK] to set the function



Icon	Description
	ZOOM : Enlarge the remote object.
	Brightness : You can adjust brightness of the photo.
	Contrast : You can adjust sharpness of the photo.
	Effect : You can use various colors and filtering effects.

2. Setting video menu

Item	Icon	Description
Shooting mode		If you select photo, video or video mail, the phone switches into the preview mode of the selected function.
Storing location		You have to select whether to save the video file in the phone or in the subsidiary memory (T-Flash).
Memory		You can check the total memory and the remaining free space.

Camera

2. Video Album



- You can view and manage the videos.
- If you press [Album] in the Video Preview mode, you can access Video Album.
- Some functions (Delete, Color Mail, File Information, Delete All in File) are restricted in the external video folders.



Note

- **Delete** : You can delete a selected movie.
- **Setting Display** : You can set a selected video to standby screen, power on/off screen.
- **Setting Bell** : You can set the video to video bell.
- **Color Mail** : The selected video can be attached to the Color Mail.
- **Move/Copy File** : You can move/copy the video file between the folders.
- **File Information** : You can view and edit video, and set protection or lock.
- **Sorting** : You can set the sorting method of the video files in the selected folder.
- **Manage Folder** : You can rename folder and set/release lock.
- **Select All in Folder** : You can select all videos in a folder and move/copy, lock, release all or delete photos.
- **Delete all in Folder** : You can delete all the video files except the protected ones.

Camera

1. Video play buttons



Icon	Description
	Pause/Play
	Repeat
	Stop(Move to upper menu)
	Rewind
	Fast forward
	Volume
	Previous video
	Next video

Note

- If the phone is in the etiquette mode, no sound is heard even if you raise the volume.
- Even if the video etiquette mode is released, after the end of video mode, the phone remains in the etiquette mode.
- If a call is incoming during playing a video, the phone switches into the receive mode, and returns to the play mode automatically after the call.

3. Using photo frame

The photo frames are updated monthly without charge. You can download the new frames from NATE. If you use the updated frames without purchasing them, additional information fee is charged every time you save the photo with the frames.

1. Using photo frame



- Press to select a photo frame.
- Press [Set Cam] and adjust distance with , and the volume with .

Using menu while using photo frames



Note

- **Frame box** : You can store and manage the frames downloaded from NATE.
- **Frame photo album** : You can store and manage the photos.
- **Save frame** : You can save the selected frame. A additional information fee is charged every time you save the frame.
- **Special effect** : Apply various colors and filtering effects.
- **Up/down reversion** : Reverse photo up/down.
- **Download frame** : You can download frames from NATE.
- **Help** : You can use help on the photo frame service.

2. Frame photo album



- You can view, manage and use various services for the photos taken with frames.
- Press [Menu] to use various functions such as Delete, Delete All, Rename Photo File, Send Photo, Send My Album, and Set Standby Screen.

Camera

4. Using PhotoOn

After accessing NATE PhotoOn, you can use various menus including My Album.



Note

- **My Album** : You can upload photos by file, and manage the uploaded photos. You can use the same service on the NATE homepage (<http://www.nate.com>).
- **User Gallery** : You can view other users' photos, and upload your photos.
- **Photo Gallery** : You can view and download images provided by NATE.
- **Photo Wizard** : You can download various photo-related programs.
- **Access NATE Photo** : You can access the NATE Photo service.
- **Help** : Provides you the guidance on PhotoOn service, and shows the version if you press [Version].

5. Requesting printing

You can request printing of the photos selected from 'Photo Album' and receive the printed photos by mail.



- Contact the service provider or visit Nate Photo homepage (<http://photo.nate.com>) for details.

6. Preferences

You can set various camera related functions.



Note

- **Shutter tone** : You can set the tone at the time of photo taking.
- **Shutter preparation tone** : You can set the tone for preparation of photo taking.
- **Storage** : You can select the method of storing the photos and videos.
- **Receive call during recording** : You can select Auto/Manual for receiving of call while taking video.
- **Close slide** : You can select whether the video should be displayed if the slide is closed.
- **Volume for video standby screen** : You can adjust volume of the video standby screen.

Camera

7. Managing memory

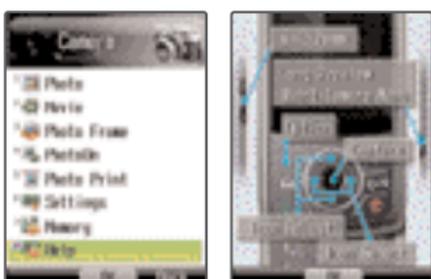
You can check and manage the total memory space, used memory space and remaining memory space of the phone.



- If you select an item and press [OK], the phone goes to the selected function (Except Music and others).

8. Help

You can be provided with the description on the buttons used for the camera function.



Message

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2. Managing received messages	137	6. Using group service	142
3. Managing sent messages	139	7. Using voice message	142
4. Using temporary box	140	8. Preferences	142

Message

1. Writing messages

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



- A message can be sent up to 20 people at a time.
- You can receive a call while writing a mail. After the call is finished, you can import and rewrite the mail from the temporary mail box.
- You can attach the photo, music, video or picture file stored in the phone. You can send 3 files of image (photo or picture), and 1 file of music and video file respectively. (See P.136, Using Menu in Attach Window.)
- After writing a message, you can preview the message with [Preview].
- After writing a message, press [Send] to send the message.

■ Selecting paper

Select [선택지], and press [OK]

- You can select the background of the message.
- If you select [최신 인기 컨텐츠] and press [OK], you can access the NATE content shop and download the up-to-dated contents.

Note

- **Picture paper** : You can select a picture stored in the phone and set the photo as the background of the mail.
- **My photo paper** : You can select your photo stored in the Photo Album.
- **Color paper** : you can set the background color. (No that you should not write message in black letters on the black background paper.)
- **No paper** : You can use the white paper.

■ Selecting Abata

Select [선택지], and press [OK]

- can use the your character or photo in writing messages.
- If you select [최신 인기 컨텐츠] and press [OK], you can access the NATE content shop and download the up-to-dated contents.

Note

- **Character Abata** : you can download an abata character from NATE.
- **My photo Abata** : You can set the photo in the Photo Album as the abata..
- **No Abata** : No abata is displayed on the message.

Message

Using menu in the message writing field

- Press [Korean] to change the writing mode (Korean, English upper/lower case, Symbol, Number).

Note

- **Font color** : Use or to set the color of the letters.
- **Emoticon** : Press to move page, and press the dial button to select the emoticon.
- **My sentence** : You can store and use the frequently used sentences.
Press [Edit] to change sentence. After edition, press [OK] to save the changed sentence.

Using menu in the attachment field

Select , and press [Menu]

- If you select and press [OK], you can access the NATE content shop and download the up-to-dated contents.

- You can view and manage contents in the Contents Box of the Message menu.

Note

- **Attach photo** : You can attach the photos stored in the Contents Box.
- **Attach music** : You can attach the music files stored in the Contents Box.
- **Attach video** : You can attach the video files stored in the Contents Box.
- **Attach picture** : You can attach the pictures downloaded from NATE.
- **Delete attach** : You can delete all the attached contents.

Using menu in Sender/Receiver field

You can use the phone number search function, recent outgoing/incoming list, E-mail address, and Ack request function.

2. Managing received messages

You can view and manage the received messages.

- You can set the new message alert and the message display function. (See P.142, Preferences.)
- The last received message is displayed on the top of the list.
- If you subscribe for CLIP service, press to dial the number of the message sender.
- If the capacity is exceeded, the existing words are deleted in time sequence.
- Press [Reply] on the received message if you want to send the reply right away.

1. Received message



- Press [OK] to retrieve the received message.
- Press to stop/play the attached content.
- Press [Menu] to use the menu function of the selected message.

Message



Note

- **Reply** : You can send the reply.
- **Sender info** : In case of color mail (MMS), you can check the received time and sender phone number.
- **Transfer** : You can transfer the received mail to other user.
- **Mail box** : You can move the message to the Permanent box to prevent deletion.
- **delete all**: You can delete all the received messages.

2. Voice message



- Save the received voice message.
- The most recently received voice message is displayed on the top.
- Press [OK] and enter the password (last digit of the phone number in default) to retrieve the voice message.
- Press *89 in the standby screen and press to connect to the voice mailbox.
- Press [Menu] to delete all or press [Delete] to delete the selected message.

3. Permanent box



- You can move messages from the In box to the Permanent box.
- If you press [Menu], you can use Reply, Sender Info, Transfer, and Delete All function.
- Press [Delete] to delete a message.
- Press [OK] to view the message.

4. Spam message



- If Spam block is set in the message setting, the messages from the phone number registered as spam sender and the messages with the spam sentence are automatically stored in this box. (See P.143 for Blocking Spam.)
- Press [Menu] to use Delete All and Move to In Box function..
- Press [Delete] to delete a message.
- Press [OK] to view the message.

3. Managing sent messages

You can view and manage the sent messages.

1. Sent message



- Press [Menu] to use Write/Send, Receiver Info, Move to Permanent box, and Delete All function.
- Press [Delete] to delete a message.
- Press [OK] to view the message.

Message

2. Permanent box



- You can move messages from the In box to the Permanent box.
- Press [Menu] to use Write/Send, Receiver Info, and Delete All function.
- Press [Delete] to delete a message.
- Press [OK] to view the message.

4. Using temporary box

The messages which has been being written and stopped due to a call are automatically stored. (The message is not stored if it is stopped due to closing of slide.)



- Press [Menu] to use Delete All function.
- Press [Delete] to delete a message.
- Press [OK] to view and rewrite the message.

5. Using contents box

The contents attached to the messages are stored.



- If you select [최신 인기 컨텐츠] and press [OK], you can access the NATE content shop and download the up-to-dated contents.
- Press [Menu] to use Send Message, Settings (Background, Bell, Record), Rename File, Delete, Protect/Release, Lock/Release, and Delete All function.

Note

- **Photo** : You can view and manage the attachable photos.
- **Picture** : You can view and manage the attachable pictures downloaded from NATE.
- **Music** : You can view and manage the attachable music files.
- **Video** : You can view and manage the video files.
- **NATE Contents Shop** : You can access the NATE content shop and download the up-to-dated contents.

6. Using group service

You can send message call, group talk and group SMS by group in phonebook or to a selected members.



Note

- **message call** : You can send a voice message to up to 20 receivers at a time. If you attach # in front of the phone numbers and press , you can send the message call.
- **Group talk** : This service is provided for at least 3 users and up to 10 users.
- **Group SMS** : You can send a text message to up to 200 receivers.

7. Using voice message

You can record a voice message, and send it to 10 receivers at a time.



- Press [Search] in the phone number field to search the phone numbers stored in the phone.
- Enter the phone number and press [Send] to activate the voice memo service..
- When requesting transmission, record the voice in with the voice announcement and press .

8. Preferences

You can set the environment for message function.



Note

- **Set paper** : You can set the message background. (See P.135, Selecting Paper.)
- **Set font color** : You can set the color of letters. (Press or to select color.)
- **Set abata** : You can send the character or photo with the message. (See P.135, Selecting Abata)
- **Set footnote** : You can always attach the designated sentence to the end of the message.
 - Set/release footnote** : You can set whether to attach the sentence to the end of the message.
 - Write foot note** : Select to change color of letters, or press [Korean] to set Number, English upper/lower case, Korean, Symbol, Emoticon.
- **Set new message alert** : You can set destination alert count, alert bell type, and volume of alert.
- **Set spam blocking** : You can block the messages from the phone number registered as spam sender and the messages with the spam sentence.
 - Block number** : You can check the phone number from which all messages are blocked. And click [Menu] to release, add, delete all function.
 - Block sentence** : You can check the sentence with which all messages are blocked. And click [Menu] to release, add, delete all function.
 - Set/Release spam blocking** : You can set whether to block spam number of sentence.
- **Resize photo** : You can set the size of photos transmitted from the phone via Web.
- **Auto save message** : You can set whether to store the sent messages automatically.
- **Display message** : You can set whether to display the message on the standby screen when a message is received.
- **Set phone name card** : You can select whether to attach your phone name card to all the messages.

Appendix

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1. Accessories

You must buy separately sold items at near Motorola service center or accessory shop. *For details, visit 'www.mymotorola.co.kr'.



Battery



Ear-mic



Car charger



USB data cable



Travel charger

2. Troubleshooting

- **Nothing displayed on the display screen**
 - Check the battery pack state.
- **No antenna graphic displayed on the display screen**
 - Move to other place and then attempt a call again.
- **Alarm heard when a call is placed.**
 - There is no communication channel available or difficulty in communication with the base station. If you press to end the connection and then press again, the phone will redial the number.
- **Charging lamp on the charger flashes in red**
 - Check the location of the battery pack or clean the charging terminals and then attempt a call again. If the lamp keeps flashing in spite of several attempts, contact the nearest Motorola service center.
- **Battery pack operating time is different from the explanation in the User's Manual.**
 - If you keep charging and discharging the battery pack, the operating time becomes shorter gradually. If the charged battery pack is exposed to low or high temperature, its operating time may vary.

- **Malfunctions detected during using the phone or no power ON.**
 - Remove the battery pack and reinstall it, and then turn the power ON.

3. Specification and Characteristics

Service Frequency Range CDMATX:	CDMA TX : 824.64MHz~848.37MHz RX : 869.64MHz~893.37MHz
Frequency Stability	±300Hz
Exterior(mm)	With battery: 104 X 51 X 14.8
Weight (g)	With battery: 100
Transmission power	300mW
Operating temperature	-20°C ~ +50°C
Relative humidity	95% at +30°C

4. Specific Absorption Rate

This cell phone satisfies the Standard of Human Body Protection against Electromagnetic Wave specified on No.2000-91 notified by Ministry of Information and Communication Republic of Korea.

The phone is designed and manufactured to limit or not to exceed RF exposure level as a wireless transceiver. The limit requirement is a part of the synthetic guideline to define the permissible value of high frequency for general users. The guidelines are based on the standard developed through regular and thorough research & evaluation at a separate research institute. One of them is the practical safety limit which is to seek everybody's safety regardless of age and health condition.

The exposure standard of a cell phone has been established by the use of Specific Absorption Rate (SAR), a measuring unit. SAR limit is set to 1.6 W/kg in this model. The exposure standard of a cell phone has been established by the use of Specific Absorption Rate (SAR), a measuring unit. SAR test is done; the cell phone in normal operation is tested under which transmission is done at the maximum output level authorized in all tested frequency band.

SAR is set at authorized maximum output level, but real SAR level of a phone in operation is likely to be lower than the maximum level. Because the phone is designed to be operated at various output levels in order to use only output required to reach wireless base station. In general, the nearer the base station, power gets lower.

We test our products to confirm if they satisfy these requirements before sales for general users. The phones are tested at the position subject to the test method determined by professional standard institute. The maximum SAR level is 0.978 W/kg when the phone is tested under which it is placed on a user's ear.

SAR level is subject to change depending on places where each phone is used, but it satisfies our government's safety exposure requirements. SAR level of next models may vary thanks to improved functions of the phone but we hope you understand our products are designed to satisfy the above guidelines in any case.



Music

- Access NATE Music Home : Press and hold  on the standby screen
- My Album :  ▶  2 
- Live Bell :  ▶  3 
- Preferences :  ▶  4 

E-Dictionary

- English-Korean Dictionary :  ▶  1 
- Korean-English Dictionary :  ▶  2 
- My Vocabulary :  ▶  3 
- Bookmark :  ▶  4 
- Preferences :  ▶  5 

Taking photo

-  [Menu] ▶  9  ▶  1  ▶  1 
- Press and hold  [Camera] on the standby screen.

Taking video

-  [Menu] ▶  9  ▶  2  ▶  1 

Summary Table

Saving phone numbers in Phonebook

- Saving phone numbers from menu :
 [Menu] ▶ ▶
- Saving phone numbers from the standby screen:
 Enter a phone number ▶ [Save]

Searching phone number in Phonebook

- Search all : [Menu] ▶ ▶ ▶
- Search by name : [Menu] ▶ ▶ ▶
- Search by group : [Menu] ▶ ▶ ▶
- Search by speed dial : [Menu] ▶ ▶ ▶
- Search by number : [Menu] ▶ ▶ ▶

Sending messages

- Writing messages : ▶
- Sending voice messages : ▶

Retrieving messages

- Retrieving received messages : ▶
- Retrieving sent messages : ▶

Setting sound

- Bell : [Menu] ▶ ▶
- Ringer/Vibration : [Menu] ▶ ▶
- Volume : [Menu] ▶ ▶
- Group character bell : [Menu] ▶ ▶
- Effect tone : [Menu] ▶ ▶
- Information alert : [Menu] ▶ ▶
- System alarm : [Menu] ▶ ▶

One-touch dial

- Setting/releasing Etiquette mode : Press and hold on the standby screen
- Setting/releasing lock : Press and hold on the standby screen
- Setting auto answer : Press on the standby screen
- Using @Playon: Press : Press on the standby screen
- Using My Menu : Press on the standby screen
- Adjusting volume : Press or on the standby screen
- Selecting alarm/roaming : Press and hold on the standby screen

Warranty Policy

Thank for purchasing Motorola product.
 This product has passed a strict quality control and inspection. If a defect in workmanship or natural trouble is found in this product, we will offer free service to you at Motorola Service Center.

Warranty Period

- Terminal equipment: 1 year
- Other accessories: 1 year
- Lithium ion battery : 6 months

Free Service

Only if any defects arise within the warranty period(1 year) from the date of purchase, we will repair the defects free of charge.

Types of defects or trouble		Coverage of warranty	
		Within the warranty period	After the warranty period
Defects in performance or functionality occurring in normal operation within 10 days from the date of purchase, which requires large repairs		Replacing of product or returning of the price paid	
Defects in performance or functionality occurring in normal operation within 1 month from the date of purchase, which requires large repairs.		Replacing of product	
Repairable	Same defect which has occurred fourth after the 3rd repair	Replacing of product or returning of the price paid	Paid service
	Defects on various parts which have occurred fifth after the 4th repairs	Replacing of product or returning of the price paid	Paid service
Beyond repair	Replacement parts are available but defect is beyond repair(within the shelf period for them)	Replacing of product or returning	Replacing of product after amortizing it
	Replacement parts are not available and defect is beyond repair(within the shelf period for them)	Replacing of product or returning	Refunding of amortized value plus 10% additional due

Model name		Serial No.	
Date of purchase	Year Month day	Customer name	
Motorola dealer		Price paid	

※ Please fill up the given form on the Warranty Policy when purchasing the product and keep it together with the receipt in good condition in order to obtain more beneficial service.

Paid Service

- Other cases than defects or trouble
 - If you ask for any service other than for defects or trouble for your cell phone after the warranty period, such service may be charged at cost. Be sure to read the user's manual thoroughly before visiting or calling the service center.
- Defects as a result of consumer's fault
 - Defects as a result of careless handling (submersion or shock) or repairs improperly performed or unauthorized modification of the product
 - Defects as a result of connecting the product to improper power source
 - Defects as a result of getting the product repaired by any persons other than Motorola Service Center
 - Defects as a result of using any separately sold items which are not supplied by Motorola
 - Defects or damage due to having the product fall after setting it up
- Other causes
 - Defects as a result of natural disaster such as fire, earthquake, flood, etc.
 - If service life of consumable parts (battery, oscillator, flip cover, earphone, antenna, and various attachments) is ended

