

APPLICANT MOTOROLA INC.

FCC ID: IHDT56LH1

INSTRUCTION MANUAL

A representative version of the user's manual follows:

Welcome

Thank you for purchasing Motorola mobile phone with world leading mobile communication technology. Motorola's mobile communication equipment are designed and produced in compliance with its strict in-house standards and the international standards. They are subject to the strict quality tests including temperature, humidity, shock, dust, vibration and drop tests. We are confident that you will be highly satisfied with the Motorola products that have been manufactured after such processes. Thank you again for choosing Motorola, and we hope that you would succeed in your business with your XT800W.

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

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

Grade B device(Residential communication device) notice

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

Prohibition of Illegal IMEI Modification

Removal or change of IMEI (International Mobile Equipment Identity) installed in the mobile phone manufactured and supplied by Motorola, or and attempt to reproduce and enter another ESN in the mobile phone is strictly prohibited and subject to maximum 10-year of imprisonment or a fine up to 20 million won.

In addition, such an illegal act may damage the software installed in the phone.

Therefore, customers should care so that you do not damage your phone due to such an illegal act. The product which is illegally modified is excluded from any free or paid service warranted by Motorola.

Safety Information

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

CAUTION

- Do not lend your phone to other person.
- Follow appropriate cell phone etiquette in public places.
- If any problem occurs with your phone, contact designated service center.
- If your phone is lost or stolen, report your mobile service provider immediately.
- Do not use unauthorized devices with your phone.
 - Unauthorized battery charger, stereo earphone, USB data cable, batteries or any other unauthorized devices may decrease your product's performance and may result in product malfunction.
- Do not use your earphone for extended hours.
 - If you are exposed to loud sound for extended period of time, it may damage your hearing.
- Make sure to save important data separately.
 - Saved phone numbers or other data can get lost due to user's carelessness or other unexpected problems.
- Make sure to keep your phone in dry places (with relatively low humidity) at all time.
 - If either mobile phone or battery is immersed in 'liquid', the color of immersion-checking label attached on your mobile phone or battery will be changed. In this case, you will lose the privilege of receiving free service by Motorola.
- For normal operation of the touchscreen, do not attach any protection film. Also, be careful with the moisture and use the touchscreen with clean and dry hands.
- This product should not be added with any separate equipment that may cause an alteration to its original performance as described on type registration.



CAUTION FOR USING BATTERY



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

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

RECOMMENDED GUIDELINE FOR CHARGING METHOD

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



To use the mobile phone safely for a long time



정품 Use authentic products only.

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



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

External LCD of your mobile device is made out of tempered. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.



Do not dry your mobile phone with a heating apparatus.

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



Keep the mobile phone clean at all time.

- If there are foreign substances on a metal part of a charger or battery, the phone may not be charged properly.
- Use smooth cloth to clean the mobile phone and do not use flammable chemicals (such as alcohol, benzene, thinner, etc.) for cleaning.



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

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



Do not use the phone while charging.

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



Be cautious when you use an USB data cable.

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



Do not place your phone near items containing magnetic components.

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



➤ Safety Information (Cont'd)

To use the mobile phone safely for a long time



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

- Saved data (such as phone number or pictures etc.) can be deleted unexpectedly due to user's carelessness, software upgrade or product repair etc.
- Manufacturer shall not be responsible for such data loss.



Use and keep the phone at room temperature.

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



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

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



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

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



Do not paint or put sticker on your mobile phone.

- Such action may damage your phone's joints and your phone may not open or close properly.
- Paint or metallic content on the phone may cause an allergic reaction, eczema, itching, swell, etc.



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

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



Do not place your phone near credit card, phone card, bank book or other materials that uses magnetic strip.

- Your phone may damage the magnetic strip.

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

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



➤ Safety Information (Cont'd)



To use the mobile phone safely for a long time



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

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



Do not use the mobile phone near inflammable materials.

Do not use your phone or attach accessories on it in a potentially explosive atmosphere including gas station, gas leaking areas, and deck on boats.



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

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



Do not use the mobile phone near pacemakers.

- Electromagnetic waves from your mobile phone may affect pacemaker when it is used within 15cm (6 inches) from it.
- If it is necessary, person with pacemaker should always use the phone in the opposite side of the pacemaker and keep the distance over 15cm.



A chargeable battery is consumable.

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



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

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



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

If not, it may cause malfunction.



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

If not, it may cause malfunction.





To use the mobile phone safely for a long time



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

Using unauthorized charger may cause damage to your phone.



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

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



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

There is a risk of explosion or fire.



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

There is a risk of explosion or fire.



Do not use the mobile phone while driving.

- Using the mobile phone while driving a car is dangerous and such action can cause car accidents.
- Check the local laws and regulations on using the mobile phones while driving.



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

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

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

Your phone checks battery temperature on its own for your safety. When the temperature of the battery raises over 60°C, phone will automatically stop all the functions and notify you to place the phone in cooler area with a pop-up message. Pop-up message will appear every 3 minutes when the temperature of the battery is between 60°C to 65°C.

When the temperature pass over 65°C, your phone will automatically turns in to cool down mode.

※ What is cool down mode?

It is a state where you can only make emergency calls and your phone will stop all the functions until the temperature of the battery becomes lower than 55°C. When the temperature becomes lower than 55°C, your phone will notify you in a pop-up message that your phone is back to normal.






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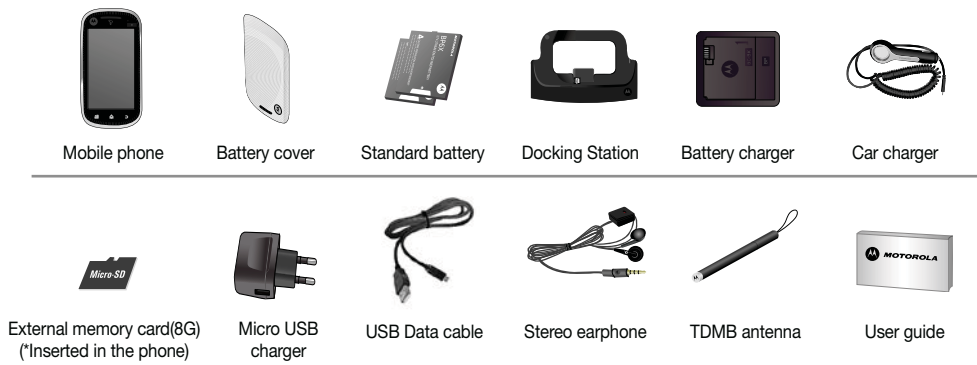


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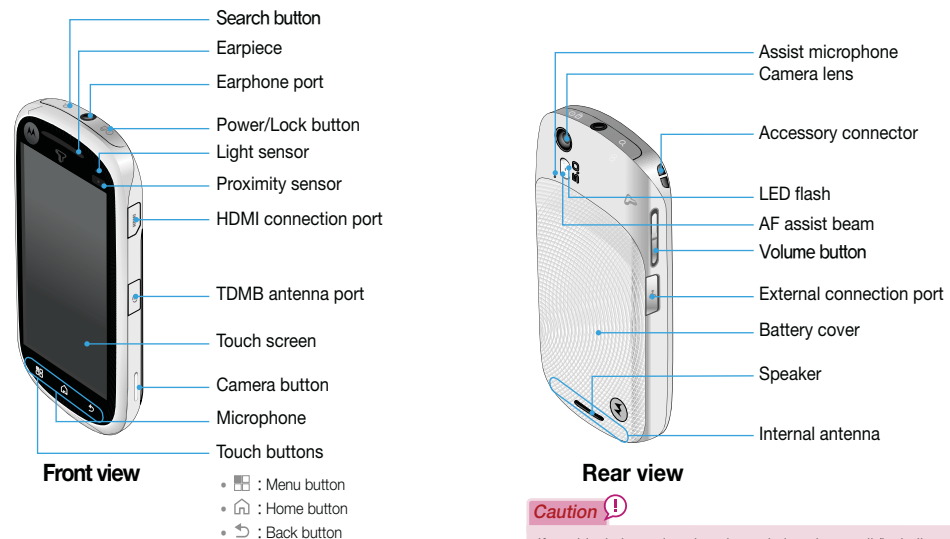
Components

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



- Above illustration may look slightly different and the supplied items may change without notice.
- You can purchase HDMI cable separately at Motorola online store.

Parts of the Phone










Caution !

If you block the assist microphone during phone call (including speaker phone), it may affect calling quality.



Buttons and Functions

| Button | Name | Function |
|---|---------------|--|
|  | Power button | - Press and hold: Turn on/off the power - Short press: Lock the touchscreen |
|  | Search button | Run search function |
|  | Volume button | - Adjust the volume |
|  | Camera button | - Press and hold: move to camera preview screen |

| Button | Name | Function |
|---|-------------|--|
|  | Menu button | Select menu - Menu appears on the bottom part of the screen may differ depending on the selected menu |
|  | Home button | - Tap and hold: View list of recently used function and task manager - Short tap: Move to the Home screen |
|  | Back button | Move to previous screen |

Using the Battery

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

Installing the battery



- 1 Battery charge terminal and the phone charge terminal should be engaged as shown in the figure.
- 2 Put the battery back properly. Push it until it clicks.
- 3 Place the battery cover to the battery cover groove and then push and slide it until it is properly fitted.

Removing the battery



- 1 Slide the battery cover down in the direction of the arrow as shown in the figure.
- 2 Lift up the battery cover as shown in the picture.
- 3 Remove the battery from the phone.

Caution

Make sure the power is off when you remove the battery.
- If you remove the battery while the phone is on, it may damage your phone.



Before Use

Charging the battery

Charging the battery with a USB data cable

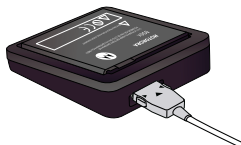


1. Remove the external connection port cover and connect the USB data cable on the external connection port.
 - To use USB data cable to charge your phone, you must install exclusive USB driver fro XT800W in your PC.
You can download USB driver from Motorola website.
 - If you connect your phone and PC by using USB data cable, you can transfer files and charge your phone.
2. Connect the USB data cable on the USB port of your PC.

Note

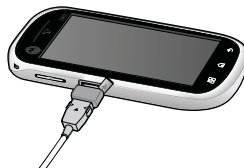
- Some data cables, other than Motorola's authorized USB data cable, do not support battery charging function depending on their type.

Charging the battery with a battery charger



1. Insert the battery on the battery charger.
 - Check and make sure that the battery is in proper position.
2. Connect the travel charger to the battery charger.
3. Connect the power cord of the travel charger to an electrical outlet.
 - Red: Charging, Green: Charging completed

Charging the battery with a travel charger



1. Remove the external connection port cover and connect the multi adapter on the external connection port.
2. Connect the travel charger to the multi adapter.
3. Connect the power cord of the travel charger to an electrical outlet.
 - Red: Charging, Green: Charging completed

Note

- Use TTA certified charger uncertified chargers may cause incidents or damage to your phone.
- Travel chargers are not included in the package for conservation of resources. You can purchase them separately from the retail shop or a service center.

Charging the battery with a docking station



1. Remove the external connection port cover and connect the phone to the docking station.
2. Connect the power on the rear side of the docking station.
 - If you connect the USB data cable to the docking station, LCD will turn off after certain period of time.

► When using a USB data cable

- (1) Connect the USB data cable to the port on the rear side of the docking station.
- (2) Connect the USB data cable to the USB port on your PC.

► When using a travel charger

- (1) Connect the multi adapter on the rear side of the docking station and connect the travel charger to the multi adapter.
- (2) Connect the power cord of the travel charger to an electrical outlet.

Battery charging status

| Type | Charging in progress | Charging completed |
|----------------|----------------------|--------------------|
| Travel charger | Red | Green |

Lamp blinks in red

- Status of the charging terminal is poor. Check the connection status of the charger and check if the battery is clean.
- Battery or the other accessories may be damaged. Contact service center.

Lamp blinks in orange

- Battery is being charged in a place too hot or cold. When the temperature returns to normal, the lamp turns red and begins charging again.
- If the phone is being charged in a place too hot or too cold, it can stop charging itself. In this case, outline of the battery icon will become red (). If the temperature returns to room temperature, battery will start charging again.

Battery charging time

| Type | Standard battery |
|------|---------------------|
| Time | Approx. 210 minutes |

- Charging time can be different depending on the status of the battery and charger.
- Charging time may increase if the rated voltage of the charger is low.
- If you use the phone while charging, there is risk of electric shock and charging time may increase.

Battery operating time

| Type | Standby time | Call time |
|------------------|-------------------|---------------------|
| Standard battery | Approx. 320 hours | Approx. 270 minutes |

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

- Above service time of the battery is measured according to standard set by SKT.
- Using Wi-Fi, bluetooth or email function will increase battery consumption.
- If you have large amount of calling, it will be more convenient to charge a battery everyday.
- Calling or using Internet, MP3 or playing movie consumes more battery than when the phone is in standby. If the calling time becomes longer, standby time will get shorter.
- Receiving call will consume as much battery as making a call.
- Standby time may get shorter in out-of-service area.
- Operating time may vary depending on the charge status, temperature (high/low), wave status in the surrounding and the lighting.

Low battery

- If the available capacity of the battery is less than 15%, low battery window will appear on the screen.
- When the battery is low, functions may not be able to operate. Charge the phone immediately.

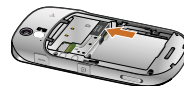
Using USIM Card

In order to use the phone, you should insert the USIM (Universal Subscriber Identity Module) card supplied by SKT. Emergency calls can be made without the USIM card.

Inserting the USIM card



1. Remove the battery cover.



2. Lift up and pull out the battery.



3. Insert the USIM card as shown in the figure.

- Make sure that USIM card is inserted in proper position with the gold surface facing down.

4. Put the battery back and closer the battery cover.

- Push the battery cover until it clicks.

Removing the USIM card



1. Remove the battery cover and the battery.
2. Remove the USIM card as shown in the figure.

Note

- Calling and data usage fees are charged to the person registered to the USIM card. Therefore, be careful not to loose or transfer ownership. (We do not take responsibility for the financial damage caused by lost or stolen USIM card.)
- Set the password on your USIM card to prevent other people from using your USIM card when it is stolen or lost. (Set up USIM card lock, refer to page 127)
- Data inside of the USIM card can be damaged when the card gets scratched or bent.
- Using the USIM card with Transportation card function, battery usage time may get shorter.
- If you enter the wrong USIM card password for 3 consecutive times, USIM card usage will be restricted. In this case, contact the retail store or SKT.
- For more information on USIM card, contact SKT retail store or service center.

Using the Memory Card

Memory card (8G), which is supplied upon your purchase, is inserted in your phone.

Inserting the memory card



1. Remove the battery cover and the battery.



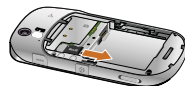
2. Slightly lift up the card holder, pull it down and then insert the external memory card.

Card holder



3. Push the card holder up and properly put the battery and the battery cover back.

Removing the memory card



1. Remove the battery cover.
2. Lift up and pull out the battery.
3. Slightly lift up the card holder, pull it down and then remove the external memory card.

Using the Earphone

You can use stereo earphone to listen to music, radio, watch DMB or make a call.



Connecting the earphone

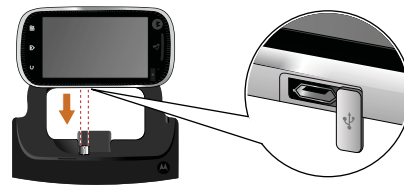
1. Connect the 3.5mm stereo earphone on the Earphone connection port.

Note

- When using the FM radio, stereo earphone works as an antenna. Make sure that your earphone is connected.
- When you make a phone call, you can tap the button on the earphone to receive or hang up the call.
- Your phone does not support Micro USB type earphone.
- If you connect the earphone while playing music, noise may occur.

Using the Docking Station

You can connect the phone to the docking station and use it.




1. Remove the external connection port cover.
2. Match the external connection port and connect it to the terminal on the docking station.
 - If you connect your phone on the docking station, screen will change to the multimedia launcher.

Power On/Off



Power on

1. Press and hold the  button while the phone is off.

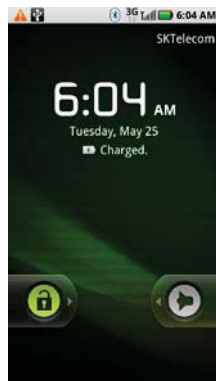
Power off



1. Press and hold the  button while the phone is on.
2. Tap [Power off] when the Phone options window pops up.
3. Tap [OK] when the message window pops up.



Unlocking the Touchscreen

If your phone is not being used for certain period of time, your touch screen will be locked. You must unlock the touchscreen before you use the phone.




1. Press the  button when the touch screen is off.
2. Tap and hold the  and drag it to the right (as the arrow directs in the above figure.)

- Method of unlocking touchscreen can be different if you have set the unlock pattern from 'Location & security settings'.


If the unlock pattern is set

If the unlock pattern is set for security reason, you may unlock the touchscreen by drawing the preset pattern. (Setting the unlock pattern, refer to page 127)



1. Press the  button when the touch screen is off.
2. Draw the preset pattern.
 - If you draw the wrong pattern more than 5 times, you cannot try for certain period of time. However, if you have set the Google account in your phone, you may tap the [Forgotten pattern?] and input your username and password to reset the unlock pattern.

Locking the touchscreen

1. Press the  button while the touchscreen is unlocked.
 - If you have set the screen timeout, your phone will lock the screen automatically if you do not use the phone for preset time. (Screen time out, refer to page 126)



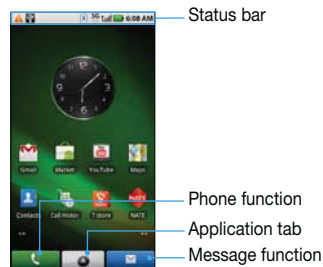
Basic Operation

| | |
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| Home Screen | 32 |
| Using the T Widget | 35 |
| Using the Multimedia launcher | 36 |
| Entering Text | 37 |

Home Screen

Home screen description

If you want to move to Home screen, tap the  button.



Status bar - Status icons, notification icons and current time is displayed.

Phone function - Move to phone function screen and you can use Dialer, Call History, Contacts and Favorites.

Application tab - You can tap  or drag it to check and select the applications.

Message function - Move to message function screen and you can write a new message, or check the sent and received messages.

Checking the status bar

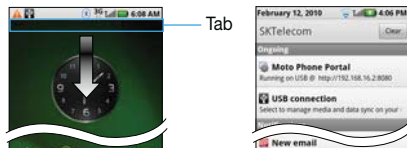
On the status bar, you can check the notification icon (on the left) and status icon (on the right).



Notification icon Status icon


Checking the notification window

If the notification icon (such as new message, upcoming schedule, alarm etc.) you can open the notification window to check the detail information.



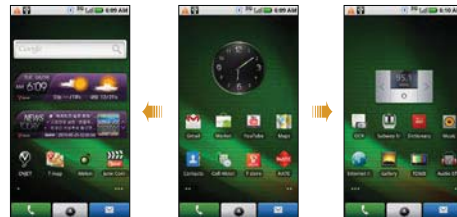
1. Tap the Status bar.
 - Tab will appear below the status bar.
2. Tap and drag the tab down.
 - You can check the various notifications.
 - You can tap [Clear] to delete all notifications.


Note

- From the Home screen you can also tap  → [Notifications] to check the notification window.

Using the Home screen

There are more than one panels available in the Home screen as extra space for user to add shortcuts and widgets.
You can flick the Home screen left and right to see more panels.





- If you flick the Home screen to check the extra panels, Location bar will tell you which panel you are seeing right now.
- You can flick the touchscreen left and right to add shortcuts on the Home screen.
- Tap the  button if you want to move to the Home screen directly while you are on the other screen or using other functions,

Setting the shortcuts on the Home screen

You can add or delete shortcuts of frequently used functions and place them wherever you want within different panels.

Adding the shortcuts

1. Flick the Home screen left and right to select the panel where shortcut will be added.
 - Home screen is divided by 5 panels. When you tap the  button, you can move to middle panel.
2. From the Home screen, tap  → [Add].
 - List of available items will be displayed.
 - Same list of available items will be displayed if you tap and hold the background on the Home screen.
3. Select the shortcut item to be added on the Home screen.
 - You can add sub-contents of [Menu Shortcuts], [Contents Shortcuts], [Widgets], [Folders].
 - If you select [Wallpapers] you can set the wallpaper. (Shortcut will not be added.)
4. Tap the newly added icon from the Home screen to use the function.
 - You may move or delete the icon added on the Home screen.




Moving the shortcuts



1. Tap and hold the icon on the Home screen.
2. Drag the icon to the place you want the icon to be.
 - Blue box will appear around the icon to indicate where the icon will be.
 - If you release the icon, it will be placed.
 - You can move the icon to different panels.

Deleting the shortcuts



1. Tap and hold the icon on the Home screen.
 -  tab will change to red tab with trash can icon.
2. Drag the icon to the trash can icon.
 - If you release the icon, it will be deleted from the Home screen.

Using the T Widget

News/Weather widget is developed and provided by SKT. It is installed on a background and the usage fee is free.



Weather widget

News widget

- Tap News/Weather widget to check the detail information.
- To delete News/Weather widget, check the 'Deleting the shortcut' (Deleting the shortcut, Refer to page 34).
- To add the News/Weather widget again on the Home screen, check the 'Adding the shortcuts'

Weather widget

- Your phone will update the contents every 8 hours (Latest update time will be displayed on the bottom of the window.)
- Tap the [<], [>] on the top of the screen to check the weather on the other locations.
- Tap [Update] to update manually.
- Tap [City selection] to set the default city.
- Tap [Previous] to end the weather widget.

News widget

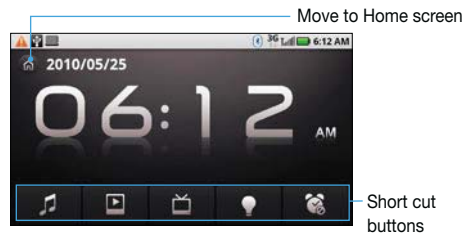
- Your phone will update the contents every 8 hours. (Latest update time will be displayed on the top of the window.)
- You can flick the screen up, down to check more news.
- Tap [Update] to update manually.
- Tap [Real time news] to check the latest news from the internet browser.
- Tap [Previous] to end the weather widget.




Using the Multimedia launcher

When you connect the phone on the docking station, screen will change to multimedia launcher. You can check the clock and use other functions such as music, video, TDMB and alarm clock while charging the phone.

Multimedia launcher description








- You can tap  to move to the Home screen and use other functions.
- You can tap short cut buttons on the bottom of the multimedia launcher screen to use corresponding function.

Note

- For detail instruction on connecting the phone to the docking station, refer to 'Using the Docking Station' on page 29.
- Screen does not turn off when the phone is being charged with the travel charger.

Short cut description

| | |
|---|---|
|  | You can use music function. (Music, see page 96) |
|  | You can check all the pictures in the media gallery as slide show. (Media gallery, see page 92) |
|  | You can watch TDMB. (TDMB, see page 99) |
|  | You can turn on or off the back light. |
|  | You can use alarm clock. (Alarm clock, see page 114) |

Turning back to Multimedia launcher from Home screen


After using your phone from Home screen with the phone on the docking station, you can switch back to multimedia launcher.

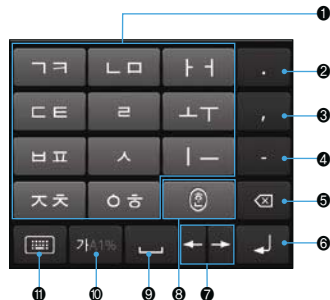
- Tap the status bar.
 - Tab will appear when you tap the status bar.
- Drag down the tab.
 - You can check notifications.
- Tap [Open launcher].

Entering Text

When creating a new message or you can select text entering method from 5 different methods.

3x4 Keypad

Tap the  button and select [3x4 Keypad]. You can enter text in a same way with Motorola's conventional phones.



Screen description

| | |
|----|--|
| 1 | Input consonant or vowel |
| 2 | Input period |
| 3 | Input comma |
| 4 | Input hyphen |
| 5 | Delete text |
| 6 | Move the cursor to the next line |
| 7 | Move the cursor to the left or right |
| 8 | Entering consonant - Enter second character on the button. (Ex: ㄱ → ㅋ) |
| 9 | Entering vowel - Enter diphthong (Ex: ㅏ → ㅑ) |
| 10 | Enter space |
| 11 | Select text mode from Korean, English, numbers and special characters |
| 11 | Select keypad type |



Entering Korean

| Button | Button |
|-----------------|-----------------------------|
| ㅏ Tap [ㅏ] | ㅑ Tap [ㅑ] |
| ㅓ Tap [ㅓ] twice | ㅕ Tap [ㅕ] → [ㅕ] |
| ㅗ Tap [ㅗ] | ㅛ Tap [ㅛ] twice |
| ㅛ Tap [ㅛ] | ㅜ Tap [ㅜ] twice → [ㅜ] |
| ㅜ Tap [ㅜ] twice | ㅠ Tap [ㅠ] |
| ㅡ Tap [ㅡ] | ㅝ Tap [ㅡ] → [ㅝ] |
| ㅞ Tap [ㅞ] → [ㅞ] | ㅟ Tap [ㅟ] twice |
| ㅟ Tap [ㅟ] | ㅠ Tap [ㅠ] twice → [ㅠ] |
| ㅠ Tap [ㅠ] twice | ㅡ Tap [ㅡ] twice |
| ㅡ Tap [ㅡ] | ㅣ Tap [ㅣ] |
| ㅢ Tap [ㅢ] twice | ㅤ Tap [ㅤ] → [ㅤ] |
| ㅣ Tap [ㅣ] | ㅥ Tap [ㅥ] → [ㅥ] → [ㅥ] |
| ㅦ Tap [ㅦ] | ㅧ Tap [ㅧ] twice → [ㅧ] → [ㅧ] |
| ㅨ Tap [ㅨ] → [ㅨ] | ㅩ Tap [ㅩ] → [ㅩ] |
| ㅪ Tap [ㅪ] → [ㅪ] | ㅫ Tap [ㅫ] twice → [ㅫ] → [ㅫ] |
| ㅬ Tap [ㅬ] → [ㅬ] | ㅭ Tap [ㅭ] → [ㅭ] |
| ㅯ Tap [ㅯ] → [ㅯ] | ㅰ Tap [ㅰ] twice → [ㅰ] |

Entering English

- To enter English, tap the [가나다] button and select English mode(A).
- You can tap once to enter the first letter, twice to enter the second letter and three times to enter the third letter on the button.
- Tap the [가나다] button to set the upper/lower case of the letter.
 - [가나다] : Enter first letter in upper case.
 - [가나다] : Enter all letters in upper case.
 - [가나다] : Enter all letters in lower case.

Entering numbers

- Tap the [가나다] button to select number mode(1) and enter numbers.
- In Korean or English mode you can tap and hold the button to enter the corresponding number on the button.

Entering special characters

- Tap the [가나다] button to select the special character mode(%) and enter special characters.
- You can tap [◀], [▶] button to see more special characters.

Full Qwerty keypad

Tap the [가나다] button and select [Full Qwerty].
You can enter text in a same way you enter the text in computer keyboard.



- You can tap the [가나다] button to select text mode from Korean, English, numbers and special characters.
- You can tap the [가나다] button to check double consonant, diphthong in Korean, upper case letter in English and more special characters.
- You can tap and hold the keyboard and check additional letters in a pop up window.
 - Korean : If you tap and hold the '.' button, you can check additional available characters.
 - English : If you tap and hold some of the letters and '.' button, you can check additional available letters and characters.

Note

Qwerty keypad has limited number and types of available special characters. If you want more diversity, use other types of keypad.

Half Qwerty keypad

Tap the [가나다] button and select [Half Qwerty].
Half qwerty keypad is similar to full qwerty but two letters are bound in one key for convenient typing.




- You can tap the [가나다] button to select text mode from Korean, English, numbers and special characters.
- You can tap the button once to enter the first letter, twice to enter the second letter on the button.
- Tap the button and drag up/down/left/right to enter the corresponding letter written on the button.

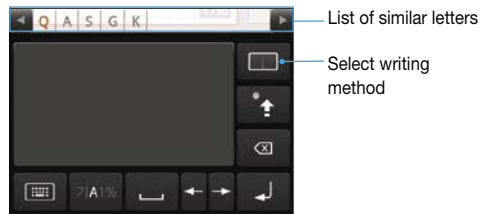




Entering vowels in Half Qwerty keypad

| | | | |
|---|---------------------------|---|-------------------------------|
| ㅏ | Tap [ㅏ] → [] | ㅑ | Tap [ㅏ] → Tap [ㅑ] twice |
| ㅓ | Tap [ㅓ] | ㅕ | Tap [ㅓ] twice |
| ㅗ | Tap [ㅗ] | ㅛ | Tap [ㅗ] twice |
| ㅜ | Tap [ㅜ] → [ㅜ] | ㅠ | Tap [ㅜ] → [ㅠ] twice |
| ㅡ | Tap [ㅡ] | ㅣ | Tap [ㅣ] |
| ㅈ | Tap [ㅈ] → [ㅈ] → [ㅈ] | ㅊ | Tap [ㅈ] → Tap [ㅈ] twice → [ㅈ] |
| ㅊ | Tap [ㅈ] → [ㅈ] | ㅌ | Tap [ㅈ] twice → [ㅌ] |
| ㅋ | Tap [ㅈ] → [ㅈ] → [ㅈ] → [ㅈ] | ㆁ | Tap [ㅈ] → [ㅈ] |
| ㆁ | Tap [ㅈ] → [ㅈ] | ㄱ | Tap [ㅈ] → [ㅈ] → [ㅈ] |

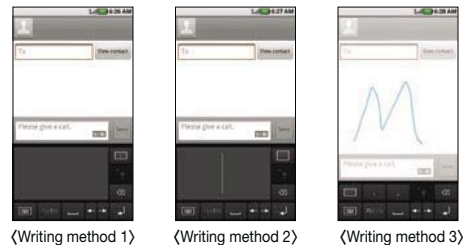
Handwriting

Tap the  button and select [Handwriting].
You can write a letter in the screen to enter a text.



- You can tap the  button to select text mode from Korean, English, numbers and special characters.
- You can tap the  button to select writing method.
- Phone will automatically enter the recognized hand written letters and show list of similar letters in case the phone did not recognize the letter properly.


Examples of writing method

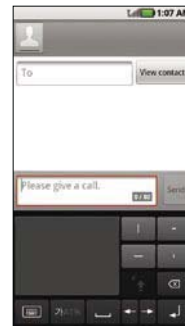



Note 

- Handwriting recognition will be made within the selected text entry mode (Korean, English or Special character)
- If you have selected writing method 3, you can write directly on the screen.

Writing pad

Tap the  button and select [Writing pad].
Writing pad uses handwriting and keypad method together to enter text.



- You can tap the  button to select text mode from Korean, English, numbers and special characters.
- You can write consonant by handwriting method and enter vowels in a same way as half qwerty method. (Entering vowels in Half Qwerty keypad, see page 40)
- Method of entering English letter is same as Handwriting.
- To enter numbers and special characters, you can just tap the corresponding button.



Using the Touchscreen

| | |
|-----------------------------|----|
| Using the Touchscreen | 44 |
| Display Description | 48 |

Using the Touchscreen

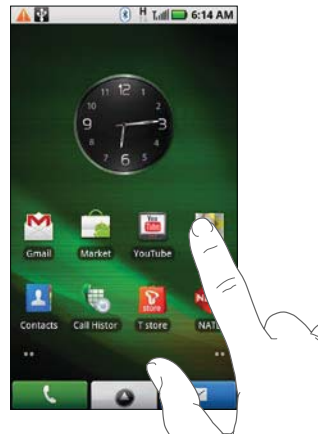
Before using the touchscreen

- Do not attach protection film on the touchscreen for the normal operation.
- Do not press the touchscreen too hard.
 - You can use the touchscreen with gentle touch.
 - If you press the touchscreen too hard or give excessive shock, it may damage the sensor.
- Touch the button of the application accurately.
 - Subtle touch can select other function.
 - You cannot touch the desired position when the other part of the body except your touching finger is on the touchscreen.
- Be careful with the humidity and use the screen with clean and dry hands.
 - Avoid using it in a place with high humidity and if your hands are wet, dry them before using the phone.
- Make sure conductive objects does not contact the touchscreen.
 - Conductive objects may cause touchscreen malfunction.
- Be aware that touchscreen can only be used with human body. It cannot be used with stylus or other objects.
- Use the authorized products provided or sold as optional accessories by the manufacturer. Using an unauthorized accessories (Ex. protection tap, etc.) and disjoining and tuning of the phone may cause malfunction and performance decrease and damage.
- If you cannot touch the desired position because of water, dirt or other substances on the touchscreen, press the power button to lock the touchscreen. Then, clean the touchscreen and try again.

Note

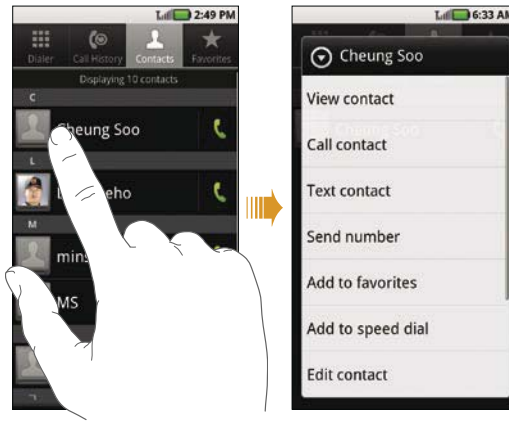
- Using the phone while charging it with travel charger may cause malfunction on your touchscreen. If any problem occurs, disconnect the charger and try using it again.

Tap



Slightly tap the touchscreen to select or run applications.

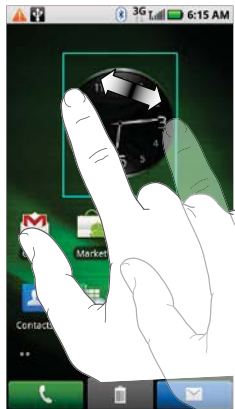
Tap and hold



You can tap and hold the desired item to see the menu.

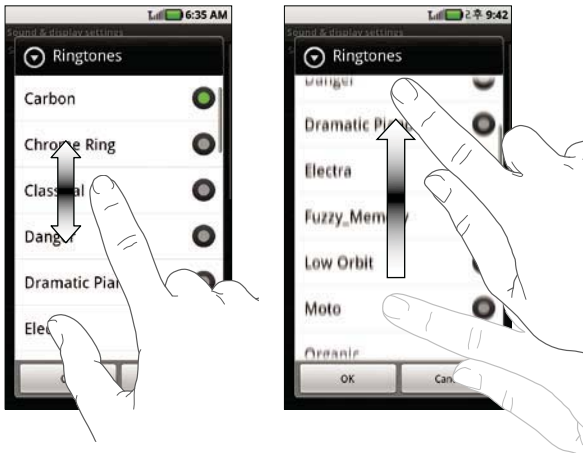


Drag



You can tap and hold the icon and then drag it to wherever you want to move.

Scroll



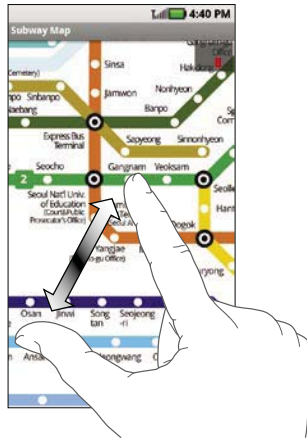
You can drag up and down to scroll list slowly, or you can flick the screen up and down to scroll quickly.

Glide



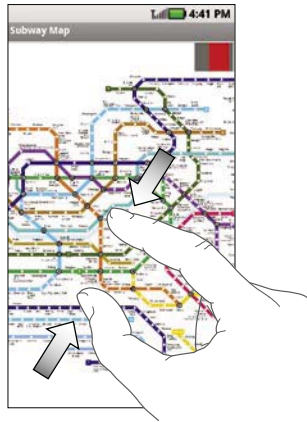
Tap the left or right side of the screen and slide to the opposite side to see more contents on the extra panels on the left and right.

Zoom in



Touch the screen and pinch the fingers apart to zoom in.

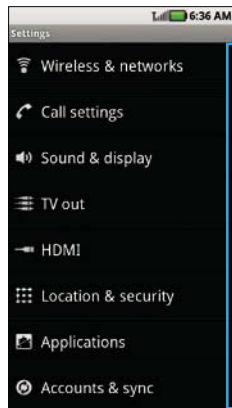
Zoom out



Touch the screen and pinch the fingers together to zoom out.

Display Description

When scroll bar appears



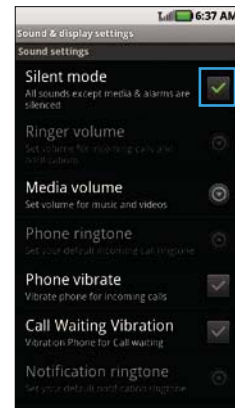
If the contents is too much to fit in the screen, scroll bar will appear.

When tab appears



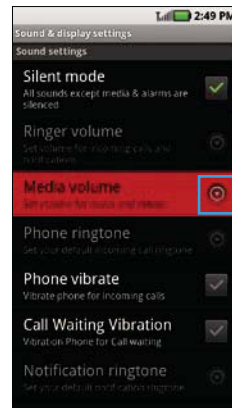
When the tab appears, you can select one of the tabs.

When appears



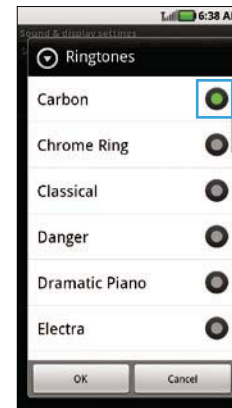
You can tap to set/cancel the function. Check mark will become when the function is set.

When appears



If you tap the menu with , pop-up menu will appear.

When appears



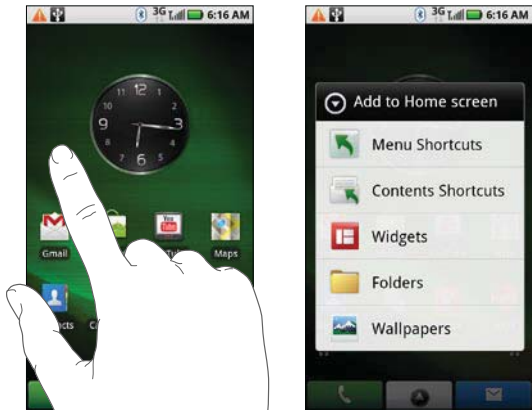
If you select one of the items from the list, selected item will turn .

When control bar appears



Control bar will appear to adjust ringtones or other volumes. Tap the bar and drag left and right to adjust the volume.

Adding on Home screen



From the Home screen, if you tap the background with no icon, list of available items will be displayed. Select the desired item to add it on the Home screen.

Quick launch





You can tap the personal image on the contacts to quickly launch dialer, view contact, send message/email, talk on messenger or view address.

Phone

| | |
|--------------------------------|----|
| Phone function | 52 |
| Dialer | 52 |
| Making a call | 53 |
| Ending a call | 54 |
| Receiving a call | 54 |
| Rejecting a call | 55 |
| Checking the Missed Call | 55 |
| Menu in Voice Call | 56 |
| Contacts | 57 |
| Managing Contacts | 58 |
| Searching Contacts | 60 |

Phone Function

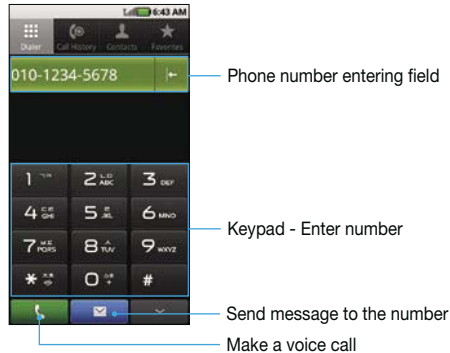
You can use dialer to make a phone call.







1. Tap  button from the Home screen or, From the Home screen, tap  → [Dialer].



Dialer icon

Dialer





| Screen description | |
|---|--|
|  | Make a call by entering a phone number |
|  | Make a call from Call History |
|  | Make a call from Contacts |
|  | Make a call from Favorites |
|  | Delete entered number |
|  | Hide keypad |

Making a call

You can make a call by number of different methods.

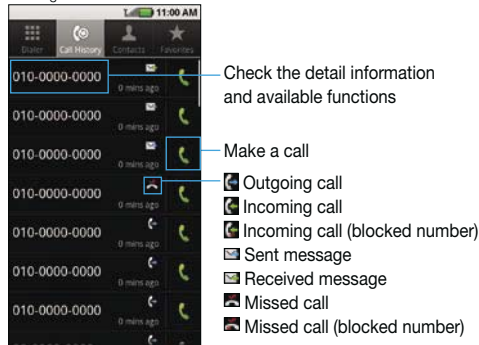
Making a call by entering a phone number

You can directly enter a phone number on the dialer screen to make a call.

1. From the Home screen tap the  button.
2. Enter a phone number when the dialer screen appears.
3. Enter the  button.

Making a call from Call History

From the call history list (incoming/outgoing calls, missed calls incoming/outgoing messages) you can search the number to send a message or make a call.





1. From the Home screen tap  button.
2. Tap [Call History] tab.
3. To make a call, tap the  icon on the right side of the number you wish to call.
 - Tap and hold the number to check the available menu.



Making a call from Contacts

You can search the phone number saved on the phone to make a call.

1. From the Home screen, tap the  button.
2. Tap [Contacts] tab.
3. To make a call, tap the  icon on the right side of the number you wish to call.
 - If you select the number you can check the detail information and available functions.
 - Tap and hold the number to check the available menu.
 - If you tap the personal image on the left side of the phone number, you can check and use the quick launch.

Making a call from Favorites

You can call frequently called numbers easily by registering them on the Favorite.

1. From the Home screen, tap the  button.
2. Tap [Favourite] tab.
3. To make a call, tap the  icon on the right side of the number you wish to call.
 - To register a number on the Favorite, see page 60.


Making a call by speed dial

You can assign speed dial to the frequently called numbers to make a call more quickly.

1. From the Dialer screen, tap and hold the speed dial number.
 - To register speed dial, see page 60.


| Example | |
|---------------|-----------------------------------|
| Speed dial 1 | Tap and hold [1] |
| Speed dial 17 | Tap [1] and then tap and hold [7] |

Ending a call

1. During a phone call, tap the  button.
 - During a phone call, tapping  button will move to the Home screen but it will not hang up the call.

Receiving a call

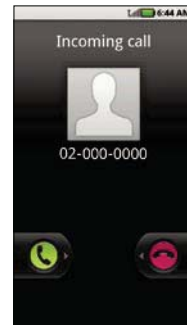


1. Tap the  button and drag it to the right.

Rejecting a call



Sending a voice message

If you cannot receive a call, you can reject it.



1. Tap the  button and drag it to the left.

Switch to silent mode

1. Tap the volume button  or  when the call is incoming.
 - Ringtone or vibration will switch to silent.

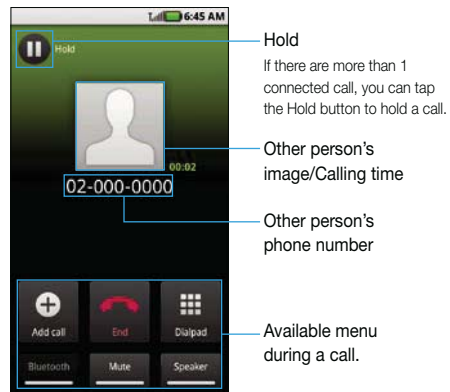
Checking the Missed Call

When there is missed call,  icon will appear on the status bar.

1. Tap the status bar.
 - Tab will appear below the status bar.
2. Drag the tab down while tapping the tab.
3. Tap the missed call icon on the notification list.
 - You can check the detail information.

Menu in Voice Call

You can tap the buttons appear on a screen during a call.



- Hold**
If there are more than 1 connected call, you can tap the Hold button to hold a call.
- Other person's image/Calling time**
- Other person's phone number**
- Available menu during a call.**

| Screen description | |
|--------------------|--|
| Hold | If there are more than 1 connected call, you can tap [Hold] to hold a call or switch to another phone call. (To use a hold function, you must be subscribed to call waiting service.) |
| Add call | You can make a new phone call. <ul style="list-style-type: none"> • To make more than 1 call, you must be subscribed to call waiting service. • When you tap the [Add call] button current call will be muted. |
| End | You can end a call. |
| Dialpad | You can show or hide dialpad. |
| Bluetooth | When there is paired bluetooth device, you can set/cancel the bluetooth device usage. |
| Mute | You can mute the call. |
| Speaker | You can use speaker phone. |

Note

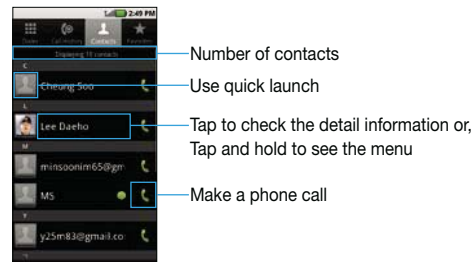
- If you want to move to the Home screen or use other function, tap the button.

Caution

Make sure you hung up the phone before using other functions.

Contacts

Checking the contacts



- From the Home screen, tap → [Contacts].
- Select the desired contact when list of contact appears.
 - When you tap the contact, you can check the detail information and check the available functions.
 - You can tap and hold the contact to see the menu.
 - When you tap the personal image on left side of the contact and use quick launch.

| | |
|---|--------------------------|
| Make a call | Check detail information |
| Write a message | Contact on a messenger |
| Send an email (after an email account is set) | |
| Check the address | |



Note

- If you synchronize contacts from Gmail or Outlook, only checked groups will be displayed in contact list.
From the contact screen, you can tap → [Display options] and select the synchronized accounts to set the groups to be displayed.
- After synchronizing the contacts, deleting contact from the phone will also delete the contact in your email server.
- When using the phone for the first time, saved contacts without a google account, will not be synchronized with Phone portal or google contacts. In this case, even if you set the google accounts afterwards, all the save contacts prior to account setting will not be synchronized or manageable from Phone portal or by google contacts.

Managing Contacts

Adding a new contact

You can add a new contact in the phone.

1. From the Home screen, tap  → [Contacts].
2. When contacts screen appears, tap  → [New contact].
3. Input contact information.
4. When information input is done, tap [Done].
 - You can tap [Revert] to cancel the addition.


Deleting saved contact

When detail information appears after selecting the contact, tap [Delete contact].

or,




Tap and hold the contact and when the pop-up menu appears, tap [Delete contact].

Editing contact


1. From the Home screen, tap  → [Contacts].
2. Select the contact to be edited.
3. When detail information appears, tap [Edit contact].
4. Edit information of the selected contact.
5. When the editing is done, tap [Done].
 - You can tap [Revert] to cancel the addition.

Joining contacts

You can join two contacts together.

1. From the Home screen, tap  → [Contacts].
2. Select the first contact.
3. When detail information appears, tap [Edit contact].
4. Tap  → [Join].
5. Select the second contact and tap [Done] to join them.
 - You can tap  → [Separate] to cancel.

Separating the joint contacts

1. Select the joint contact from the contacts screen.
2. When detail information appears, tap [Edit contact].
3. Tap  → [Separate].

Importing contacts

You can import contacts from an external memory card to your phone.

1. From the Home screen, tap  → [Contacts].
2. When contacts screen appears, tap  → [More] → [Import/Export].
3. Tap [Import contacts] → [Import from SD card].

Exporting contacts

You can export contacts saved in a phone to a USIM card or an external memory card.

1. From the Home screen, tap  → [Contacts].
2. When contacts screen appears, tap  → [More] → [Import/Export].
3. Tap [Export contacts] and select the place to export.

Exporting contacts to USIM card



1. Tap [Export to SIM card].
2. Select contacts to export or tap [Select All].
3. Tap [Done].

Exporting contacts to SD card

1. Tap [Export to SD card].
2. Tap [OK].
 - When you export contacts to SD card, you cannot select individual contact to export.

Managing USIM contacts

You can import contacts to your phone from USIM card or move/delete the contacts saved in the USIM card.

1. From the Home screen, tap  → [Contacts].
2. When contacts screen appears, tap  → [More] → [Manage USIM contacts].
3. Select the contact saved in USIM card and execute the function you want.

Import to contacts to the phone

1. Select individual contact from the USIM card or tap [Select All].
2. Tap [Import].

Delete contacts from the USIM card


1. Select individual contact from the USIM card or tap [Select All].
2. Tap [Delete].

Moving the contacts from the USIM card

1. Select individual contact from the USIM card or tap [Select All].
2. Tap [Move].


Adding contacts to Favorites

You can add frequently used contact to Favorites.



1. From the Home screen, tap  → [Contacts].
2. Tap and hold the contact you want to add to favorites.
 - Pop-up menu will appear.
3. Tap [Add to favorites].
 - If the selected contact is already added on the Favorites, [Remove from favorites] will appear.

Assigning speed dial

You can assign speed dial number to the frequently used contacts.

1. From the Home screen, tap  → [Contacts].
2. Tap and hold the contact you want to assign speed dial to.
 - Pop-up menu will appear.
3. Tap [Add to speed dial].
 - If the selected contact has already assigned speed dial, [Remove from speed dial] will appear.
4. Select the available speed dial.
 - You can select from 1~99.
 - If the speed dial is already in use, you can overwrite it with a newly selected contact.

Searching Contacts

1. From the Home screen, tap  → [Contacts].
2. When contact screen appears, tap  → [Search].
3. Enter name/phone number/email address in the search field.
 - Contacts containing keywords will appear.
4. Select the contact.
 - You can check the detail information of the selected contact.



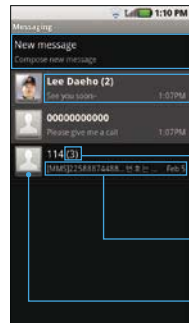
Message

| | |
|--------------------|----|
| Text Message | 62 |
| Email | 68 |


Text Message

You can check and manage incoming and outgoing messages as well as sending MMS with pictures and videos.

- 1: Home screen →  → [Messaging]
- 2: Home screen →  → [Messaging]



- Create new message
- Thread
You can tap and hold the thread to use functions such as View thread, View contact, Delete thread, Set as Spam.
- Contact person/number of messages
- Recent incoming and outgoing message content/time
- Open quick launch function

Tap the  button to use below functions.

| | |
|----------------|---|
| Compose | You can create a new message. |
| Delete threads | Delete the saved threads. |
| Settings | You can change the settings on Storage, Text message (SMS), Notification, Font size and Spam. (Message settings, see page 67) |
| Search | You can enter a word to search for a message containing that word. |
| Spam List | You can check the spam list. |

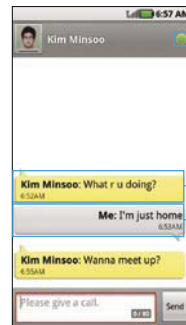
Checking new message

When a new message is received,  icon will appear on the status bar.

1. Tap the status bar.
 - Tab will appear below the status bar.
2. Tap and drag the tab down.
3. Tap the new message notification on the notification list.
 - You can check the detail contents.

Checking the threads

You can check and manage the incoming/outgoing messages saved on the phone.




- Talk messenger status
When the other person has Talk messenger account, you can check their connection status.
- Incoming message
- Outgoing message

1. From the message screen, select the contact.
 - All the incoming and outgoing message is saved as threads.
2. Check the incoming and outgoing message.
 - Tap the message input field to enter a new message.

You can tap and hold the incoming/outgoing message to use following functions.

| | |
|---------------------|---|
| Lock/Unlock message | You can lock/unlock selected message. |
| Call OOO* | You can make a call to the sender. |
| Add to Contacts | You can add the contact on your phone. |
| Forward | You can forward the selected message to other person. |
| Copy message text | You can copy the text on the selected message. |
| View message detail | You can check the type of the message, whom it is from and received time. |
| Delete message | You can delete the selected message. |
| Copy to USIM | You can copy the selected message to the USIM card. |

*'Call OOO' will only appear on incoming message.

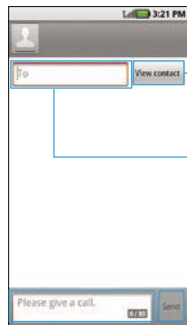
Tap the  button to use below functions.

| | |
|--------------|--|
| Call | You can make a call. |
| View contact | You can check the person's contact information. |
| Add subject | You can add a subject on the message. (Message will switch to MMS.) |
| Attach | You can attach files on the message. (Message will switch to MMS.) |
| Send | You can send a message. |
| More | You can use more functions such as Insert smiley, Delete thread and All threads. |



Sending text message

You can send a text message to the person you want.



View contact

You can select the receiver from 'Call log', 'Contact', or 'Favorite'.

Input receiver

Send button

Message filed

- From the message screen, tap [New message].
- Select the receiver.
 - You can tap [View contact] to select the receiver from 'Call log', 'Contact', or 'Favorite'.
 - If you want to send message to more than one person, tap [View contact] to add another person or enter comma and enter another person's number.

- If the contact is assigned with speed dial, you can just enter the speed dial number and use comma to add more to send message to multiple number of people.
- Tap the message field and write a message.
 - Tap [Send] to send the message.
 - When message is delivered successfully, message will be saved in a thread.

Caution

Please be aware that even if you did not enter any message, tapping the [Send] button will send default message. ('Please give a call.')

When creating a new message, you can tap the button to use following function.

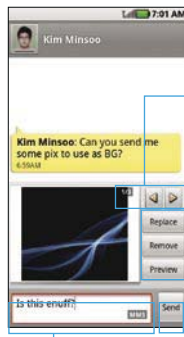
| | |
|---------------|--|
| Add subject | You can add a subject on the message. (Message will switch to MMS.) |
| Attach | You can attach files on the message. (You can attach maximum 3 image files and 1 audio/video files. Message will switch to MMS.) |
| Insert smiley | You can insert smiley. |
| Discard | You can discard current message. |
| All threads | You can check the recent list of threads. |

Note

- If you switch to Korean or special characters while composing a SMS message in English and numbers, number of words in word count will increase.
- You cannot edit the sender's number.

Sending MMS message

You can attach maximum 3 image files and 1 audio/video file on message.



Number of attached file

If you have attached more than 1 file, number of files will be displayed on the top right side of the image. You can tap to see previous or next file.

Attached file option

After attaching the file, you can replace, remove or preview attached files.

Send button

Message filed

- From the message screen, tap [New message].
- Select the receiver.
 - You can tap [View contact] to select the receiver from 'Call log', 'Contact', or 'Favorite'.
 - If you want to send message to more than one person, tap [View contact] to add another person or enter comma and enter another person's number.
- Tap → [Attach].

- Select the file you want to attach.
 - Pictures: You can attach pictures from the photo album.
 - Capture picture: You can take a picture and attach it.
 - Videos: You can attach video from the video album.
 - Capture video: You can record a video and attach it.
 - Audio: You can attach audio file saved in the phone.
 - Record audio: You can record a audio and attach it.
- Tap the message field and write a message.
- Tap [Send] to send the message.
 - You can tap [Replace]/[Remove] to replace or remove the attached file.
 - You can tap [Preview] to preview the attached file.
 - When the MMS is being delivered, you can tap the icon on the right side of the message to cancel and delete the message.
 - You can tap and hold the sent MMS and tap [Copy attach to SD card] to save attached file on SD card.

Recording an audio for attachment

- Tap [Record audio] from the attachment selection window.
- Tap the button to start recording.
- Tap the button when recording is done.
- Tap [Use this recording] to save and attach the file.
 - Tap [Discard] to cancel the attachment.
 - If you tap the after the recording, recorded audio will be attached automatically.

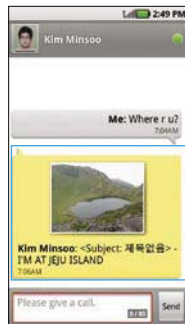
Note

- Even if you turn off the screen or tap , button while sending a message, message will be sent normally.



Checking MMS message

You can check the received MMS in the thread.



Received MMS message

You can check the received attached file and the message in the thread.

- You can tap and hold the MMS message and tap [Copy attach to SD card] to save attached file on SD card.

Setting spam message

You can set the unwanted messages as spam and block all the messages sent from the same contact or number.

When the contact is in the thread list

- From the message screen, tap and hold the message to be set as spam.
- Tap [Set as spam].
 - Selected number will be added to spam list and all the sent and received messages from then will be saved as spam message.

Note

- If you want to block the spam messages tap [Settings] from the message screen and set 'Spam Blocking Turns On'.

When the contact is not in the thread list

- From the message screen, tap [Settings].
- Scroll down the screen to tap [Block Setting] on the bottom of the list.
 - Spam list will be displayed.
- Tap [Add] and enter number or strings.
 - Tap [Delete all] to delete all the contact in the spam list.

Message settings

You can change all the settings regarding on message.



- From the message screen, tap [Settings].
- Check or change the settings.
 - You can change storage setting, text message (SMS) settings, Notification settings, Font size settings, Spam settings.


| | |
|-------------------------|---|
| SMS message limit | You can set number of SMS messages to save. Tap [+] or [-] to adjust the number or you can input number directly. |
| MMS message limit | You can set number of MMS messages to save. Tap [+] or [-] to adjust the number or you can input number directly. |
| Manage SIM card message | You can check and manage messages stored on your SIM card. |
| Notifications | You can set/cancel to display message notifications in status bar. |
| Select ringtone | You can set the ringtones for received message alert. |
| Vibrate | You can set/cancel to vibrate when the messages received. |
| Large Font | You can see messages with larger font. |
| Spam Blocking Turns On | You can set/cancel the Spam blocking. |
| Block Setting | You can check/add the blocked number or delete existing number from the blocked list. |

Email

You can synchronize email account and use email from the phone in a same way you use it in your PC. Data usage fee may be charged when you use email function.(It will not be charged when you use Wi-Fi.) For further information on data usage fee, contact SK Telecom.




Setting regular email account

Before using the email function for the first time, you must set the email account. Accounts from recognized email service provider (such as hotmail, gmail etc.) can be set easily in just two steps.

1. From the Home screen, tap  → [Email].
2. Enter an email address.
3. Enter a password and tap [Next].
 - For recognized email service provider, it will skip most of the steps and move to step 7.
 - When auto registration fails, you must set the account manually. Make sure you put accurate email address and password before setting manually. If it keep fails, contact your email service provider.
4. Tap [Manual setup] and select type of accounts from POP3 account, IMAP account and Exchange account.
 - If you want to set exchange account, refer to 'Setting exchange account'.
5. Set incoming server settings and tap [Next].
6. Set outgoing server settings and tap [Next].
7. Set account and your name. then tap [Done].

Adding regular email account

You can set more than one regular email account.


1. From the Home screen, tap  → [Email].
 - Inbox will appear when you execute Email function.
2. Tap  → [Accounts].
 - Account list will be displayed.
3. Tap  → [Add account].
4. Set email information to add account.
 - Refer to 'Setting regular email account' for detail instruction on adding an account.

Note


- Before adding an email account from your phone, you must allow POP3 or IMAP access from your email setting from internet.
- List of email service provider that supports automatic setting.
 - Gmail (Gmail.com, googlemail.com, google.com, android.com)
 - AOL (aol.com)
 - Hotmail (hotmail.com, live.com, msn.com)
 - Yahoo (yahoo.com, ymail.com, yahoo.co.kr)
 - Naver (naver.com)
 - Daum (daum.net, hanmail.net, hanmail.com)
 - Nate (nate.com, lycos.co.kr, netsgo.com)
 - Paran (paran.com, hanmir.com, hitel.net)
 - Hanafos (hanafos.com)

Setting exchange email account



You can set exchange server that is being used by corporation to not only receive emails but you can also synchronize contacts and schedules to your phone.

1. From the Home screen, tap  → [Email].
2. Enter an email address.
3. Enter a password and tap [Next].
4. Tap [Manual setup] and select [Exchange account].
 - To set an POP3 account or IMAP account, refer to 'Setting regular account'.
5. Set detail information of exchange server setting.
 - Enter domain/ID, password and exchanger server.
 - For detail information related on setting the exchange server, consult person in charge.
6. Set email check frequency, amount of synchronizing emails and tap [Next].
 - Make sure email check frequency is set to Auto(Push).
7. Enter account and sender's name and tap [Done].




Note

- From the Home screen, tap  → [Email] and select [exchanger server] to check the emails received through the exchanger server.



Checking the email

1. From the Home screen, tap  → [Email].
2. Select the account from the account list.
3. Select and check the email.
 - Tap  button to use available functions.

Sending email

1. From the Home screen, tap  → [Email].
2. Select the account from the account list.
3. Tap  button and select [Compose].
4. Write an email and tap [Send].
 - Tap  while writing an email to use available functions.
 - When there are more than one accounts, composed email will be sent through the primary email account.

Deleting email account

1. From the Home screen, tap  → [Email].
2. Tap and hold the account to be deleted from the account list.
 - If you are directed to inbox screen, tap  → [Accounts] to check the account list.
3. Tap [Remove account] when pop-up menu appears.
4. Tap [OK] when message window appears.
 - You can tap [Cancel] to cancel deleting.





| | |
|-----------------------------|----|
| Setting google account..... | 72 |
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Setting google account

To use google related functions you must set up an google account first. Google account set up window will appear automatically when you use the google related functions for the first time and you can set up a new account if you don not have one.

Creating new google account

If you do not have an existing google account, you can set up a new one from your phone.

1. When google account set up page appears, Tap [Create].
2. Enter your first name, last name and user name.
 - If you tap the input field, soft keyboard will appear on the bottom of the screen.
3. Tap [Next] after entering all the information.
4. Enter a password and tap [Next].
5. Set up a security question, answer and secondary email and tap [Create].
6. Check google terms of service and tap [I agree, Next].
7. Type the characters you see in the picture and tap [Next].
8. Tap [Finish] when setting is done.

Register google account

If you have existing google account, you can sign in to existing account from your phone to use the account.

1. When google account set up page appears, Tap [Sign in].
2. Enter username and password.
 - If you tap the input field, soft keyboard will appear on the bottom of the screen.
3. Tap [Sign in] after entering all the information.
4. Tap [Finish] when setting is done.

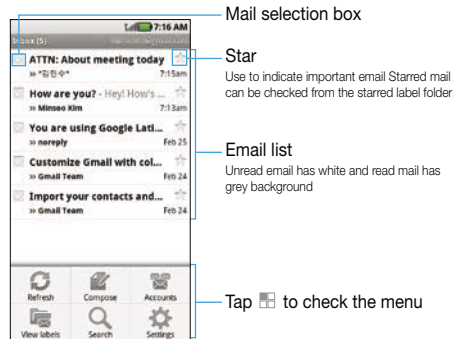
Note

- You can add an account from the Home screen → [Settings] → [Accounts & sync].
- From the Home screen → [Settings] → [Accounts & sync], you can tap the account and tap [Remove account] to delete selected account.
- If you set Auto-sync from the Home screen → [Settings] → [Accounts & sync], all the changes made from the phone will also be affective to the account in your PC.
- Some of the google application may not be available in Korea. Those services will be supported later on.
- If you 'Sign in' with an existing google account, your contacts and emails from the account will be automatically synchronized to your phone.
- When using the phone for the first time, saved contacts without a google account, will not be synchronized with Phone portal or google contacts. In this case, even if you set the google accounts afterwards, all the save contacts prior to account setting will not be synchronized or manageable from Phone portal or by google contacts.

Gmail

You can use Gmail from your phone.

Home screen → [Gmail]



- If you check the mail selection box, following buttons will appear.
[Archive] - Select to arrange the inbox. Archived mails can be checked from All Mail folder.
[Labels] - You can put labels to classify the selected mail.
[Delete] - You can delete selected mail.

Tap the [Gmail] button to use below functions.

| | |
|-------------|--|
| Refresh | You can refresh to check for new mails. |
| Compose | You can compose a new mail. |
| Accounts | You can add new account, or check different accounts when there are multiple accounts. |
| View labels | You can check the mails arranged by different folders or labels. |
| Search | You can input keyword to search for the mails containing that keyword. |
| Settings | You can change general and notification setting regarding on mail. |

Note

- From inbox, you can tap and hold the mail to read, archive, mute, mark unread, delete, add star, change labels or report spam.



Menu after selecting a mail

1. From Gmail screen select a mail.
2. Tap the ☰ button to use the following functions.

| | |
|-------------------------|--|
| Newer | Check the newer email. |
| Add/Remove star | Add or remove star to the selected mail. |
| Mark read/unread | Check the unread mail to read and vice versa. |
| Change labels | You can change the label for the selected mail. |
| Back to Inbox | You can move back to inbox. |
| More | |
| Mute | If the mail is received from mailing list, setting 'Mute' will assign all the mails sent from that mailing list to be saved and only seen from All mails folder instead of inbox. However, if your address was included in receiver or Cc, this setting will only be affective once and all the mails received later can be seen from the inbox. |
| Report Spam | You can report selected mail as spam. |

☰ Composing a mail

1. From the inbox, tap ☰ → [Compose].
2. Enter receiver's address, subject and contents.
3. Tap [Send] to send the message.
 - Tap [Save as draft] to save the mail in the draft folder.
 - Tap [Discard] to delete the selected message.

Tap the ☰ button to use below functions.

| | |
|---------------------|---|
| Send | You can send the composed mail. |
| Add Cc/Bcc | You can add Cc and Bcc aside from the receiver. |
| Attach | You can attach a file to a mail from media gallery. |
| Edit subject | You can edit the subject. |
| Discard | You can discard the composed mail. |

Maps

You can use many functions supported by google map (such as checking location, traffic, directions etc) by using phones GPS.

Home screen → 📍 → [Maps]



Zoom in/out button

- You can flick the screen left/right/up/down to move through the maps.
- You can tap the screen twice to zoom in the screen.
- You can tap and hold certain location of the maps to check the address of that location.

Tap the ☰ button to use below functions.

| | |
|--------------------|---|
| Search | You can search the location and find it from the map. |
| Direction | You can find the direction by car, public transportation or by walk. |
| Layers | You can set layers of traffic, satellite, latitude or transit lines. |
| My Location | You can check the location of yourself. |
| Latitude | You can check the location of your friends. |
| More | You can clear map or check help contents, terms, privacy & notices and about. |

※ Some of these functions may not be available in Korea.

Note 📝

- You may be able to use Street view function In most cities of U.S, London, Tokyo, Paris and other major cities of the world.

Method :

1. Tap and hold the location where you want to activate the Street view function and tap the address.
2. Tap [Street view] when the menu appears.
3. Use the Street view function.
 - Tap the ☰ button to use 'Step forward', 'Step backward', 'Zoom', 'Go to map', 'Report image', and 'Compass mode'.
 - If you select compass mode, direction of the Street view will change as you turn the direction of the phone.

(*Street view is not supported in Korea and it is plan to be supported later on. For further information contact google.)



Google Calendar

You can check the date by using Google calendar and you can also add and manage schedule.


Home screen → [App Icon] → [Google Calendar]



Today

Day with an event
Green bar will be displayed


- Tap the certain date to check the event on that day.
- Drag the screen up/down to check previous/next month.
- Tap and hold the certain date to use 'Show day', 'Show agenda', 'New event' menu.

Tap the  button to use below functions.

| | |
|-----------------------|---|
| Agenda | You can check all the events within certain periods. |
| Day/Week/Month | You can view calendar in Day/Week/Month. |
| New event | You can add new event. |
| Today | You can move to today's date on the calendar. |
| More | <p>My calendars : You can check the list of synchronized calendar. (However, actual adding/deleting calendar is only available from the web but you can use Menu → Add calendar/Remove calendar option to disable synchronize.)</p> <p>Settings : You can change Calendar view setting and Reminder settings)</p> <p>Search Date : You can input exact date and check for events on that day.</p> |


Viewing the calendar

You can check the calendar in daily, weekly or monthly.

1. From the google calendar screen, tap  button.
2. Select the viewing method from [Day]/[Week]/[Month].
 - Button for currently selected viewing method will not be displayed.
 - If you select [Month], you can drag up/down to see the schedules for previous/next month's schedule.
 - If you select [Week], you can drag up/down to see hourly schedule and drag left/right to check the previous/next week's schedule.
 - If you select [Day], you can drag up/down to see hourly schedule and drag left/right to check the yesterday/tomorrow's schedule.


Adding new event

You can add new event on the calendar.

1. From the google calendar screen, select the date you want to add the event.
2. Tap the time when the event will start, and tap [New event].
 - You can tap  button and select [New event].
 - You can drag the screen up/down to check the earlier, later time.
3. Input detail information of the event and tap [Done].
 - Input information such as event name, starting/ending timer, location, description, guests, repetition and reminder.
 - Tap [Revert] to cancel adding an event.


Editing event

You can edit the existing event on the calendar.

1. From the google calendar, tap the date with an event.
2. Tap the event to be edited.
 - Information of the event will appear.
3. Tap the  button and tap [Edit event].
 - Event details screen will appear.
4. Edit detail information and tap [Done].
 - Tap [Revert] to cancel editing.

Deleting event

You can delete the existing event on the calendar.

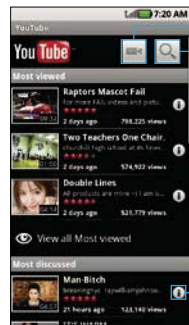
1. From the google calendar, tap the date with an event.
2. Tap the event to be deleted.
 - Information of the event will appear.
3. Tap the  button and tap [Delete event].
4. When message window appears, tap [OK] to delete selected event.



YouTube

You can access YouTube to watch various video clips. Some part of the services may require you to sign in after you create an account.

Home screen →  → [YouTube]




Capture video
Search video

List of video clips
Tap to watch the video

Check the information of the video

Main screen

- You can check the videos sorted by 'Most viewed', 'Most discussed', 'Most recent' and 'Top rated'.
- You can tap 'View all OOO' to check more videos in the selected category.

Tap the  button to use below functions.

| | |
|------------|---|
| Search | You can search the video. |
| My account | You can sign in to YouTube. |
| Categories | You can check the videos sorted by category. |
| Settings | You can change general settings, time settings, check terms of service and application version. |

※ Some of the functions in YouTube may not work due to domestic policies.


Playing screen






Video screen


Control buttons

Playing bar

- Control buttons and Playing bar will disappear automatically.
- To display the hidden control buttons and playing bar, tap the screen lightly.
- You can adjust the time line to watch the desired part of the video by tapping desired spot on the playing bar or dragging  to left and right.

Control button description

| | |
|---|--|
|  | Rewind 5 seconds |
|  | Play/Pause video (When the movie is playing button will become pause button.) |
|  | Fast forward 5 seconds |

Tap the  button to use below functions.

| | |
|----------|--|
| Details | You can check the details of the current video. |
| Rate | You can rate the current video. |
| Favorite | You can add the current video in favorite. |
| Share | You can share current video with other people. |
| More | Flag You can report current video. |
| | Search You can search other videos. |
| | Home You can go back to YouTube main screen. |
| | Watching high/normal quality You can watch current video in high or normal quality. |

Note

- When you download videos from YouTube, your phone will download high quality video when the phone is connected to free Wi-Fi. However, when the phone is connected to 3G, your phone will download normal quality to prevent overcharged data fee by downloading larger file. If your downloaded YouTube file does not appear to be high quality, check if your phone is connected to 3G.

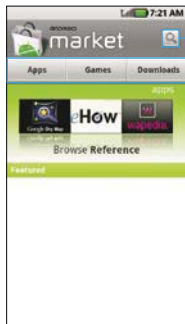


Google

Market

Google's exclusive application market. You can download and use different types of applications, games to your phone.


Home screen →  → [Market]



Search button


Apps/Games/Download tab

- Tap search button to search for application within the market.
- Tap Apps tab to check health, finance, news & weather and more programs and install it on your phone.
- Tap Games tab to check and install different types of games.
- Tap Download tab to check completed or currently downloading applications.


Tap the  button to use below functions.

| | |
|----------|--|
| Search | You can search the applications. |
| Download | You can check the downloaded applications. |
| Help | You can check and search for help contents. |
| Home | Go to the main page. (This button will not be displayed in the main page.) |


Downloading application

1. From the Market main screen, tap Apps or Games tab.
2. Select program or game you want to download.
3. Check the information of the contents and tap [Install]
 - Selected content will be downloaded.
 - Tap  → [Download] to check the downloaded contents.

Note


- You can check the downloaded contents from the Home screen → .
- Certain application may require more electric current and standby time may get shorter.

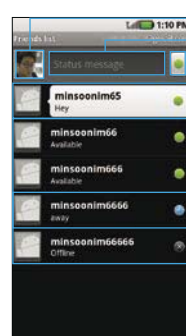
Deleting downloaded application

1. From the Market main screen, tap Download tab or tap  → [Download].
 - List of downloaded contents will appear.
2. Select the application to be deleted.
3. Tap [Uninstall] and when the pop-up screen appear, tap [OK].

Talk

Talk is a messenger program provided by google. you can add friends, co-worker and talk to them in same way you do in PC.

Home screen →  → [Talk]



My picture

Status message

Current status button

Friend in

Conversation


Online Friend

Away Friend

Offline Friend

Friend list

- Tap current status button to change your status from Available, Busy and Invisible.
- Tap My picture to register picture from the Media gallery
- You can select online friend to start conversation.
- You can tap and hold the offline friend to use different functions.

Tap the  button to use below functions.

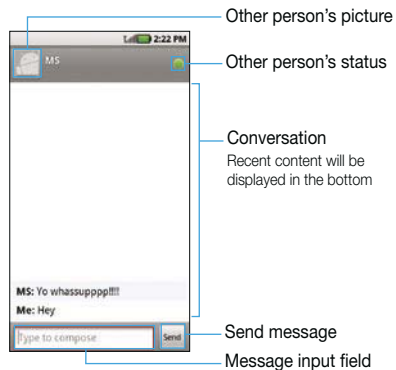
| | |
|------------------------------|---|
| All Friends/ Most popular | You can select the viewing option from All friends/Most popular. |
| Add friend | You can add a new friend. |
| Blocked | You can check any blocked friends or tap locked friend and unblocked them. |
| Search | Enter keyword and search all conversation containing that keyword. |
| Invites | You can check the list of invited friends who has not yet accepted. |
| More | <p>Close all chats</p> <p>You can close all on-going chats.</p> <p>Settings</p> <p>You can change General settings and Notification settings.</p> <p>Sign out</p> <p>You can sign out from the messenger.</p> <p>Terms & Privacy</p> <p>You can check terms & privacy regarding on messenger service.</p> |

Note


- When you remain sign-in to the google talk messenger, battery consumptoin may increase.



Talk chatting screen



- When you tap the message input field, soft keyboard will appear on the screen. (Enter text, see page 37.)

Tap the  button to use below functions.

| | |
|------------------------------------|--|
| Chat on record/ Chat off record | You can set/cancel to record a chat. Recorded chatting can be checked through internet. |
| Switch chats | You can check the currently active conversation and switch chats if there are more than one on-going conversation. |
| Friends list | You can go to friends list and check the connection status of your friends. |
| Add to chat | You can select a friend from online list and invite them to the current conversation |
| End chat | You can end the current conversation |
| More | <p>Clear chat history You can clear current chat history</p> <p>Insert smiley You can insert smiley</p> <p>View contact You can view the contact of the person you are chatting with.</p> |



 **Internet**

Internet Browser 84

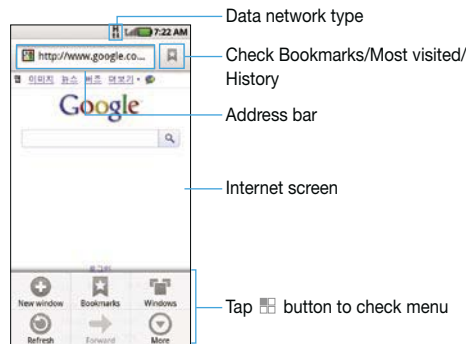
Internet Browser

You can access websites by using Internet Browser. Please aware that you may get charged when you are not connected to Wi-Fi. For further information on extra service charge, please contact SK Telecom.

※ We recommend to subscribe to SKT data plan before use.

Home screen → [Internet Browser]

Viewing websites



Tap the [More] button to use below functions.

| | |
|--------------|---|
| New window | You can open a new window. |
| Bookmarks | You can check bookmarks, most visited site, and history. |
| Windows | You can check all opened windows and select to open or close the windows. |
| Refresh/Stop | You can refresh current webpage or stop opening the page. |
| Forward | You can move forward to visited page. |
| More | You use add bookmark, find on page, select text, page info, share page, downloads, settings function. |

Open website

1. From the internet browser, tap address bar.
2. Enter the website address.
3. Tap [Go] or tap [↵] on the keyboard to check the website.
 - Tap [↶] button to go back to the previous page.

Quick search from the Home screen

From the Home screen, tap [Search] button and enter keyword to search in the web. Your phone will search the web by using google.

Opening new window

You can open a new website without closing current internet window by opening a new window.

1. From the internet browser, tap [More] button.
2. Tap [New window].
3. Check the website from the new window.

Checking opened windows

If there is more than one open internet windows, you can select the window you want or, select and close a window.

1. From the internet browser, tap [More] button.
2. Tap [Windows].
3. Check all the opened windows.
 - Tap [New window] to open a new window.
 - You can select a window from the list to check the website.
 - Tap [X] to close the window.

Viewing bookmarks

You can check the bookmark added by the user.

1. From the internet browser, tap [More] button.
2. Tap [Bookmarks].
 - Bookmarks window will appear.
 - From the bookmarks window, tap [More] button to bookmark last-viewed page or set the view to list view or thumbnail view.
 - You can select the website visit the website.

Note

- Tap [More] button on the right side of the address bar, to check the bookmarks.


Adding bookmarks

1. From the internet browser, tap [More] button.
2. Tap [More].
3. Tap [Add bookmark].
4. Enter name and location of the bookmark and tap [OK].
 - Tap [Cancel] to cancel bookmark.




Viewing most visited websites

You can view most visited websites.

1. From the internet browser, tap  button.
2. Tap [Bookmarks].
3. Tap [Most visited] tab.
 - List of most visited site will be displayed.
 - Tap the [☆] on the right side of the website address to add to or remove from the bookmarks.
 - You can tap the website to visit selected website.


Viewing the history

You can view list of recently visited sites.

1. From the internet browser, tap  button.
2. Tap [Bookmarks].
3. Tap [History] tab.
 - List of recently visited site will be displayed.
 - You can clear history by tapping  button from the history window and select [Clear history].
 - Tap the [☆] on the right side of the website address to add to or remove from the bookmarks.
 - You can tap the website to visit selected website.


Find on page

You can find the text from the website.

1. From the internet browser, tap  button.
2. Tap [More].
3. Tap [Find on page].
4. Enter text you want to find from the website.
 - Entered text will be highlighted within the page.

Select text

You can select and copy the text from the website.

1. From the internet browser, tap  button.
2. Tap [More].
3. Tap [Select text].
4. Drag and select the text from the website.
 - Selected text will be highlighted and it will be copied on to the clipboard.


Pasting selected text

You can paste text selected from the website.

1. Tap and hold the text filed.
2. When edit text menu appears, tap [Paste].


Page info

You can check the page information of the current website.

1. From the internet browser, tap  button.
2. Tap [More].
3. Tap [Page info].
4. Check the page information.


Share page


You can share the current website with other people through email or by MMS.

1. From the internet browser, tap  button.
2. Tap [More].
3. Tap [Share page] and select the sharing option.
 - You can select the application to share the website. (Ex: Gmail, messaging, email etc.)
 - List of sharing option may not appear if there is only one way to share.
4. Check the website address.
 - Enter the receiver information depending on the sharing option.
5. Tap [Send] to send the website address.

Downloads

You can check the list of downloaded files from internet. Downloaded files will be saved in sd card or download folder.


1. From the internet browser, tap  button.
2. Tap [More].
3. Tap [Downloads].
4. Check list of downloaded files or files being downloaded to your phone.
 - You can select the completed files and check them.

Tap the  button to use below functions.

| | |
|----------------------|--|
| Clear list | You can delete the list of all downloaded files. |
| Cancel all downloads | You can cancel all the downloading process. |

Settings

You can change the settings related to internet.

1. From the internet browser, tap  button.
2. Tap [More].
3. Tap [Settings].
 - You can change Page content settings, Privacy settings, Security settings and Advanced settings.

Note

- When you set home page address, it will be applied after resetting the power.



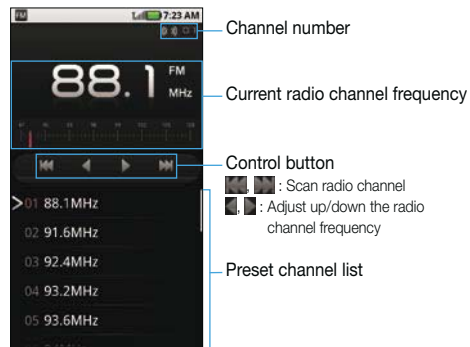
Multimedia


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FM Radio

You can listen to FM radio by using FM transmitter within the phone. Radio can be heard through the earphone or internal speaker.

Home screen →  → [FM Radio]



Tap the  button to use below functions.


| | |
|-----------------------|---|
| Save/Edit Preset | You can save current frequency in the preset channel list or edit the channel already saved in the preset channel list. |
| Clear Presets | You can clear preset channel list. |
| Scan | Phone will automatically scan available frequency and update it to the preset channel list. |
| Headset/Loudspeaker | You can set or change to output radio through either Headset or Loudspeaker. |
| Stereo Mode/Mono Mode | You can set the audio mode to either Stereo or Mono mode. |
| Exit | You can end the FM radio and exit to Home screen. |

Caution

- As a characteristic of FM radio, you may hear static noise caused by surrounding environment or other electronic device.
- If you use earphone other than the one included in the package, FM reception may decrease.
- If you hear noise while listening to the radio, selecting "Mono mode" can reduce the noise.






Adding channel automatically

You can scan all the available frequency and save them automatically to the preset channel list.

1. From FM Radio screen tap  button.
2. Tap [Scan].
 - When the pop-up window appears, tap [OK].
 - Previously saved channels will be deleted.


Adding channel manually

You can manually search for frequency and save them on the preset channel list.

1. Select the number of channel to add the searched frequency.
 - You can select from channel 1 ~ 20.
2. Use the control buttons from the FM Radio screen.
 - You can press ,  button to search the available frequency automatically.
 - Adjust the ,  button to manually search the frequency. Each time you press the button, frequency will change in 0.1MHz unit.
3. Tap  → [Save Preset].
4. Enter the name of the channel and tap [Save].
 - You can tap [Discard] to cancel saving the channel.

Deleting channel

You can delete the saved channel from the preset channel list.

1. From FM Radio screen tap  button.
2. Tap [Clear Presets] and select the channel you want to delete.
 - Tap [Select All] to delete all the preset channels in the preset channel list.
 - Check box for the selected channels will turn green.
3. Tap [Done].
 - When the pop-up menu appears, tap [OK] to delete the channel.



Media Gallery

You can check the pictures and videos.

- From the Home screen, tap → [Media Gallery].
- Tap [All Pictures ▼] to select the filter option.
 - You can select from All Pictures, My Captures, My Tags, All Videos and Folders.
- Select the picture or video.
- Check the selected file.

Tap the button to use below functions.

| | |
|-----------------------|---|
| Play slideshow | You can play selected pictures in slideshow. |
| Select items | You can select the file and tap button to use Select/Unselect all, Share, Tag and Delete option. |
| Settings | You can change Slideshow settings and General settings. |

Note

- You can select picture or video and display on the TV. Connect your phone to the TV with HDMI Cable and select the file then, tap → [More] → [Display on TV].

Note

Playable files and codec

- Video format
 - avi(XviD + MP3, XviD + AAC), mp4, 3gp, asf, wmv, skm
- Audio format
 - mp3, m4a, ogg, wma, aac, wav, amr
- Video codec
 - MPEG4 SP: Max. HD (1280x720)@24fps, Less than 8MB bps
 - MPEG4 ASP: D1(720x480)@30fps
 - H.264 BP@L3.0: Max. HD(1280x720)@24fps, Less than 2M bps
 - WMV9: QVGA(320x240)@30fps
- Audio codec
 - AMR, MP3, AAC, AAC+, eAAC+, OGG, WMA, PCM/WAV
- Supported picture format
 - bmp, jpeg, gif, png, wbmp
- Some of the video files may not play properly depending on the HW performance and memory limit.
- File may not be playable depending on the Screen resolution, number of frames per second, average bit transmit rate and encoding options.
- Subtitles are only supported when they are in .smi format and they should have the same filename with the video file.
- Video file is not playable if the video exceeds size over 2GB.
- If you are using HDMI, You can play slideshow and video with the TV remote controller.

| Button | Video | Picture |
|---------|---------------------|---------------------|
| PLAY | Play video | Play slideshow |
| PAUSE | Pause video | Pause slideshow |
| F or FF | Fast Forward | See next image |
| R.W | Rewind | See previous image |
| STOP | End HDMI Connection | End HDMI Connection |

* TV that is certified with remote control section, which complies with the HDMI's CEC certification item, supports functions listed on the left.

View picture

You can select the picture from the media gallery and use different functions.

- Set the filter option and select the picture.

Tap the button to use below functions.

| | |
|---------------|--|
| Delete | You can delete the selected picture. |
| Edit | You use Rotate, crop, Face Filter and Advanced (Auto Correction, Brightness & Contrast, Color & Saturation, Effects, Resize, Crop and Text) editing function to edit the selected file. |
| Share | You can share the selected picture through Bluetooth, Gmail, Messaging, Picasa, Quick Send and Email etc. |
| Tag | You can add or remove tag on the selected picture. |
| Set as | You can set the selected picture as Contact icon or Wallpaper etc. |
| More | <p>Settings : You can go to media gallery setting screen. (See page 92)</p> <p>Slideshow : You can play slideshow of all the filtered files.</p> <p>Display on TV : If the phone is connected to TV with HDMI cable, you can display the picture through the TV.</p> |

View video

You can select the video from the media gallery and use different functions.

- Set the filter option and select the video.

Tap the button to use below functions.

| | |
|-----------------------------------|---|
| Delete | You can delete the selected video. |
| Share | You can share the selected video through Bluetooth, Gmail, You Tube, Messaging, Quick Send and Email etc. |
| Tag | You can add or remove tag on the selected video. |
| Actual Size/ Fit to Screen | If the size of the selected video is fit to screen, you can switch to actual size and if the screen is smaller than the screen size, you can set the video to fit to screen. |
| Display on TV | If the phone is connected to TV with HDMI cable, you can play the video through the TV. |
| Subtitle Sync | If the selected video file has subtitle (.smi file) you can synchronize the subtitle with the video. If the file contains subtitle, synchronize menu will be enable for setting. If you enable the menu, left and right arrow will appear for you to able to adjust the speed of the subtitle in 0.5 second unit. |



Video Editor

You can make your own storyboard or music movie by using video or music file in the external memory card.

Home screen → → [Video editor]



- From Storyboard, Music Movie and Auto cut screen, you can tap and select [Main screen] to return to the mainscreen.

Tap the button to use below functions.

| | |
|----------|---|
| Settings | You can set Resolution and Save mode. |
| About | You can see the information about video editor. |

Storyboard

You can set background music and use picture/video files and add text to make your own storyboard.

1. From the video editor screen, tap [Storyboard].
2. Tap to add media in the story board and tap .
 - Tap or to select/unselect all.
3. Tap to select the background music and tap .
 - You can select the music from the external memory card to set as background music.
 - You can select the music from the list pre-play the music.
 - Selected music will be played up to the length of the storyboard.
 - If the pre-play pop-up menu appears, you can drag [,] on the left and right side of the playing bar and to select just the part from the entire music.
4. Press to arrange the order of the selected media or delete the media and press .
 - Tap , and tap and hold the media and drag it to the place you want to change the order.
 - Tap media to select individually or tap or select/unselect all media.
 - After media selection, tap to delete selected media.
5. Tap to add text on the storyboard and tap .

| | | | |
|--|------------------|--|-------------------------|
| | Input text | | Select text color |
| | Select text size | | Select background color |

6. Select picture or video from the storyboard to use below functions.

| | | |
|--|--------------|--|
| | Duration | Set the duration of the selected picture from 1~30 seconds. |
| | Trim | Select the video and drag [,] to set the beginning and the end |
| | Dubbing | Check dubbing menu Record dubbing End dubbing Select dubbing audio from the list Delete recorded dubbing |
| | Add subtitle | Set the starting time of subtitle Set the ending time of subtitle |
| | Transition | Set the transition option |
| | Effect | Set the effect on the selected picture/video |
| | Grab frame | Capture and save the moment of the video |

7. Tap to check the storyboard.
8. Tap to save the storyboard.

Note

- Video editor doesn't support wmv format.

Music movie

You can easily make music movie by using video or music file in the external memory card.

1. From the video editor screen, tap [Music movie].
2. Select style and tap .
3. Select photos and tap, .
4. Preview the selected photos and set the transition option and the order of the photos.
5. Set the background music and tap .
6. Add movie title and tap, .
 - Preview file will be created automatically.
7. Check the preview and tap, to save the Music movie.

Note

- Detail instruction on selecting photo, background music and order, see pages 94~95.

Auto cut

This module allows you to use different style modes from your own video.

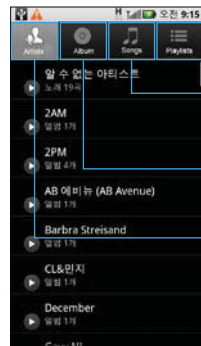
1. From the video editor screen, tap [Auto cut].
2. Select style and tap .
3. Select videos and tap, .
 - Preview file will be created automatically.
4. Tap to save.



Music

You can listen to the music saved in the external memory card.

Home screen → [Music]



Playlists

Check the recently played list

Songs

Check all the songs saved in the external memory card

Album

Check the list sorted by album

Artists

Check the list sorted by artist

- If the music is currently playing, information of the music will appear on the bottom of the screen.

Tap the button to use below functions.

| | |
|---------------|--|
| Party shuffle | You can randomly play the music saved in the external memory card. |
| Search | You can search the music saved in the external memory card. |

Playing the music

- From the mainscreen, select the item.
 - You can select from artists, album, songs and playlists
 - Artist: You can select the music sorted by artists
 - Album: Music files are sorted by album
 - Songs: Music files are sorted in order of special characters, alphabet and 한글.
 - Playlists: You can check the playlists.
- Select the music from the list.
- Select the music.
 - Music will be played and music player will be displayed.

You can tap and hold the music from the list to use below functions.

| | |
|----------------------|---|
| Play | You can play the selected music. |
| Add to playlist | You can add the music to create new playlist or add to the existing playlist. |
| Remove from playlist | You can remove the music from the existing playlist. |
| use a phone ringtone | You can set the music as a ringtone. |
| Delete | You can delete the selected music from the external memory card. |
| Search | You can search the selected music from YouTube, Music or internet browser. |

※ Menu can be displayed differently.

Music player



Tap the button to use below functions.

| | |
|-----------------|--|
| Library | You can go back to mainscreen. |
| Party shuffle | You can randomly play the music saved in the external memory card. |
| Add to playlist | You can add current music to the playlist. |
| Use as ringtone | You can set current music as a ringtone. |
| Delete | You can delete the current music. |

Screen description

| | | |
|---|--|--|
| 1 | | Album cover |
| 2 | | Check the playlist |
| | | Set/Cancel shuffle |
| | | Set repeat : Repeat all : Repeat current music : Disable repeat |
| 3 | | Artist, album, music information |
| | | Tap : Play previous song Tap and hold : Rewind |
| 4 | | Play/Pause |
| | | Tap : play next song Tap and hold : Fast forward |
| 5 | | Playing bar |

Note

- Even if you go to Home screen while playing music, it will still play as a background music. To stop the music from playing, tap pause button from the Music player.



Creating a playlist

- From the mainscreen, select the item.
 - You can select from artists, album, songs and playlists

2. Select the item from the list.

▶ If you have selected Artists

- Tap and hold the artist and tap [Add to playlist]
 - All the music will be added.

▶ If you have selected Albums

- Tap and hold the album and tap [Add to playlist]
 - All the music will be added.

▶ If you have selected Songs

- Tap and hold the song and tap [Add to playlist]
 - Selected music will be added.

▶ If you have selected Playlists

- Select 'Recently added' or existing playlist. Tap and hold the song and tap [Add to playlist].
 - Selected music will be added.

3. Select the playlist to add the songs.

▶ If you have selected Current playlist

- Selected song will be added to current playlist.

▶ If you have selected New

- Enter a name of the playlist and tap [Save].

▶ If you have selected existing playlist

- Song will be added to the selected playlist.

4. Newly added playlist can be checked by selecting [Playlists] from the mainscreen.

Remove song from the playlist

1. From the mainscreen, tap [Playlists].

- Playlists will be displayed.
- If you have not create a playlist, only 'Recently added' menu will be displayed.

2. Select the playlist.

- Available menu will appear.

3. Tap and hold the music you want to delete.

- Available menu will appear.

4. Tap [Remove from playlist].

- Selected song will be removed.

Deleting playlist

1. From the mainscreen, tap [Playlists].

- Playlists will be displayed.

2. Tap and hold the playlist you want to delete.

- Available menu will appear.

3. Tap [Delete].

- Selected playlist will be deleted.

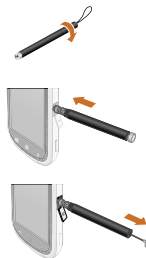
TDMB

You can watch real-time TV and listen to the radio. TDMB is supported in horizontal screen. You can tap Home button to end the function. You cannot use other function by pressing the Mode change/Camera button.

Caution

Reception of the TDMB may get weakened by the electromagnetic waves emitted by other electronic devices. Make sure to use the charger with least electromagnetic waves and use it away from other electronic devices.

Putting antenna



1. Turn the cover of TDMB antenna in the direction of the arrow to open.

2. Open the TDMB antenna port and put the antenna.

3. Fully pull out the antenna as shown in the figure and adjust the direction depending on the reception status.

TV

1. From the home screen, tap → [TDMB].

2. Select the TV tab.

3. Select the channel you want to watch.



TV/Radio/Favorites
• Select the tab

Channel list

Channel preview

- Tap preview to switch to full screen mode

Tap the button to use below functions.

| | |
|-----------------|--|
| Channel scan | You can scan for available channel. |
| Add to Favorite | You can add current channel to the Favorite. |
| Contents Box | You can check the recorded or captured program. |
| Setting | You can set Display size, Sleep and Backlight level. |

Full screen mode

From the main TDMB screen, tap the channel preview to switch to Full screen mode.



- In full screen mode, you can press the Camera button to set the lock the screen.
- Buttons in full screen**
 - Channel list : Switch to preview mode.
 - Rec : You can record current program.
 - Capture : You can capture current program.
 - Ch ^ v : You can change the channel.

Tap the button to use below functions.

| | |
|----------------------|---|
| Call | You can make a call from the dialer. |
| Message | You can check or create message. |
| Add to Favorite | You can add current channel to the favorite. |
| Contents Box | You can check recorded or captured screen. |
| Time Machine Mode On | You can temporarily record current program and rewind to the part you missed or want to replay. |
| Setting | You can set Display size, Sleep and Backlight level. |

Radio

- From the home screen, tap → [TDMB].
- Select the Radio tab.
- Select the channel you want to listen.

Tap the button to use below functions.

| | |
|-----------------|--|
| Channel scan | You can scan for available Radio channel. |
| Add to Favorite | You can add the current channel to the favorite. |
| Contents Box | You can check recorded or captured screen. (You cannot record or capture from the Radio) |
| Setting | You can set Display size, Sleep and Backlight level. |

※ You can use 'Call' and 'Message' function from the Radio.

Favorite

- From the home screen, tap → [TDMB].
- Select the Favourite tab.
- Select the channel you want to listen.

Tap the button to use below functions.

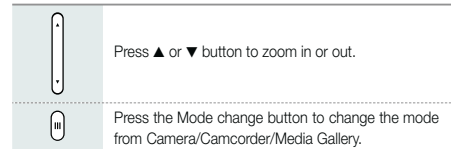
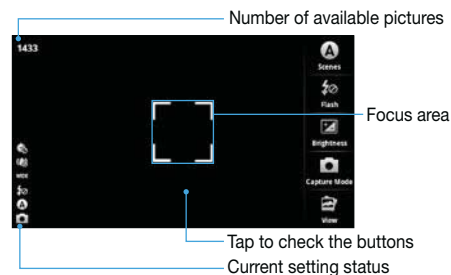
| | |
|----------------------|--|
| Channel scan | You can scan for available TV/Radio channel. |
| Delete from Favorite | You can delete current channel from the Favorite. |
| Contents Box | You can check recorded or captured screen. |
| Setting | You can set Display size, Sleep and Backlight level. |

Camera

You can use your phone to take a picture.
Camera function is only supported in horizontally.

- Home screen → → [Camera]
- From the Home screen, press and hold the Camera button

Camera preview screen



Button description

| | |
|--------------|--|
| Scenes | You can select the scenes from auto, portrait, landscape, sport, night, sunset and macro. |
| Flash | You can set the flash mode to flash on, flash off and auto flash. |
| Brightness | You can set the brightness. |
| Capture mode | You can set the capture mode from camera, camcorder, auto timer, panoramic, self portrait and multishot. |
| View | You can check the recent pictures. |

Tap the button to use below functions.

| | |
|----------|---|
| OCR | You can change the mode to OCR. (OCR, see page 110) |
| Tags | You can set/cancel Auto location tag and custom tags. |
| Settings | You can set Face Detect, Image Stabilization, ISO, Picture Resolution, Panorama Resolution, Review Time and Web Upload Address. |

Note

- You can save Auto location tag or custom tags.
- You can enter up to 5 custom tags.
- Auto location tag will detect the location of where picture is taken and add as tag.
- To use auto location tag function, you must check the "Use GPS satellites" in "Settings - Location and security".

Taking the picture

- From the camera preview screen, press the Camera button to take a picture.
 - If you press the Camera button half way, camera will focus automatically. You can fully press the button to take a picture.
 - You can tap the focus area and drag it to set the focus area.
 - When the camera is focused, focus area will turn green.
 - Taken picture will be saved automatically.
- Tap the screen to check the option.
 - You can press the button in the bottom of the screen to use following options.
 - Face Tag** - You can enter tag on the detected face.
 - Face Filter** - You can apply different face filters.
 - If the phone did not detect any face, 'No face in this picture' message will appear.
 - You can tap left and right arrow to apply different filters.
 - You can apply Warp, Pinch, Big Eye, Face Beauty, Mosaic, Blur and Red-Eye Remove in the detected face.
 - Tap [Save] to save the filtered picture.
 - Phone may not detect the picture depending on the resolution and clarity of the picture.
 - Set as** - You can set the picture as contact icon or wallpaper.
 - Share** - You can share the picture through Bluetooth, Gmail, Messaging, Picasa or Quick Send.
 - Delete** - You can delete current picture.

Note

- Picture will not be focused and focused area will just blink instead of turning green if the distance is too close or if you half-press the Camera button to focus on the small subject.

Taking the capture mode

You can set the capture mode before you take a picture.

- From the camera preview screen, tap [Capture Mode].
 - If the button on the right side of the screen is hidden, you can lightly tap the screen to display the buttons.
- Select the desired capture mode.
 - You can select from camera, camcorder, auto timer, panoramic, self portrait and multishot.

Auto timer

You can set the auto timer to take a picture automatically.

- From the camera preview screen, tap [Capture Mode].
- Tap [Auto Timer].
- Set the timer.
 - You can set it from 3, 5 and 10 seconds.
- Press the camera button.
 - Picture will be taken automatically after the set time.

Panoramic

You can take multiple shots of wide range of area and connect them as one picture. You have to move the phone top, bottom, left or right to take multiple shots and picture will be connected to create one panoramic picture.

- From the capture mode screen, tap [Panoramic].
- Set the capture direction.
 - You can choose from Move up/right/left/down.
- Press the Camera button.
 - After taking the picture move the phone to the selected direction and the next shot will be taken automatically.
 - Total 6 shots of pictures will make one panoramic picture.
 - If you do not need to take all 6 shots, you can just press the Camera button to create a panoramic picture just with the picture taken so far.

Caution

Panoramic mode is suitable for taking landscape image. If you use panoramic mode to take a close figure, you may not get the best of result.

Self Portrait

When you take picture of your self, phone will notify you with the sound when your face is detected by the phone.


- From the capture mode screen, tap [Self Portrait].
- Press the Camera button when the phone notify you with the sound to let you know that your face has been detected,
 - Picture will be saved automatically.

Multishot

You can take series of shots.

- From the capture mode screen, tap [Multishot].
- Press the Camera button.
 - 6 shots will be taken consecutively.

Note


Tap  → [Settings] to set below items.

- Face Detect : Set/Cancel the face detect option.
- Image Stabilization : Set/Cancel anti shaking capture option.
- ISO : Set the ISO value (Auto, 100, 200, 400, 800)
- Picture Resolution : Set the resolution of the picture. (Supports VGA, 1MP ~ 8MP wide)
- Panorama Resolution : Set the resolution of the video (Supports VGA, 1MP, 2MP)
- Video Resolution : Set the resolution of the video (Supports QCIF, QVGA, VGA, SD, HD)
- Review Time : Set the time to review the picture after shots. (2, 4, 6 Seconds, Off)
- Web Upload Address : Set the picture upload addresses where the picture can be uploaded after the shot.

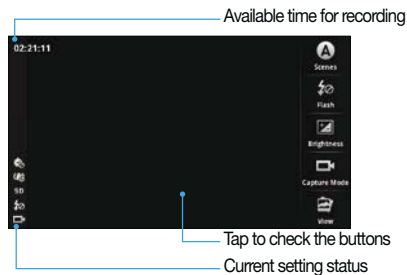


Camcorder

You can use your phone to record a video.
Camcorder function is only supported in horizontally.

Home screen →  → [Camcorder]

Camcorder preview screen



Press ▲ or ▼ button to zoom in or out.
(Zoom in/out can be set before the recording)

Press the Mode change button to change the mode
from Camera/Camcorder/Media Gallery.

Button description



| | |
|---------------|--|
| Scenes | You can select the scenes from auto and night. |
| Flash | Flash is not supported in the camcorder. |
| Brightness | You can set the brightness. |
| Capture mode* | You can set the capture mode from camera, camcorder, auto timer, panoramic, self portrait and multishot. |
| View | You can check the recent videos. |

※ If you select camera, auto timer, panoramic, self portrait and multishot, phone will automatically switch to camera mode.

Taking video

- From the camcorder preview screen, press the Camera button to record a video.
- Press the Camera button again to end the recording.
 - Recorded video will be saved automatically.
- Tap the screen to check the option.
 - Tap [▶] to check the recorded video.
 - You can press the button in the bottom of the screen to use following options.
 - Take Video - You can record a new video.
 - Share - You can share the video through Bluetooth, Gmail, Messaging and Quick Send.
 - Delete - You can delete current video.

Note

- For menu that appears by tapping the  button from the camcorder screen, see page 101.
- For menu that appears by tapping  → [Settings], see page 103.
- HD videos can be recorded up to 30 minutes and all other resolution videos can be recorded up to an hour.

Applications

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T service

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

1. From the Home screen, tap → [T service].
2. Select the item and change the setting.

| | |
|---------------------|---|
| T Roaming | This service allow you to use the phone outside of the country. |
| Auto connection | If your phone is unavailable to connect a call (Due to power off or when the phone is out of service area) phone will automatically connected to pre-registered number. |
| Call Forwarding | You can forward all the calls to pre-registered number. |
| Traffic Information | You can check the latest traffic news. |
| Sorisem | You can retrieve the voice messages which were received when you could not answer the calls. |

Select System

When you use the phone outside of the country through roaming, you can select the service provider automatically or manually.

1. From the Home screen, tap → [T service] → [T Roaming].
2. Tap [Select System].
3. Select [Auto] or [Manual].

If you select Auto : Roaming service provider will be searched and selected automatically.

If you select Manual : You can manually select the roaming service provider from the search list.
(Some of the service provider shown in the searched list may be unavailable to provide the service. If you choose such service provider, you cannot make a call. In this case, you must select other service provider or set the system to 'Auto'.

Note

- If you wish to change the setting for the T roaming service, please contact the Customer Center. Changing the settings at your own discretion may disable the phone.

Using roaming auto dial

When placing a call from abroad, you don't have to enter the international call access number and national code. You can place a call from the number in the contacts or the call history list.

1. From the Home screen, tap → [T service] → [T Roaming].
2. Tap [Roaming Auto Dial On] and set it on.

Note

- You can make a call from the number in the contacts or the history list.
- Roaming auto dial can be used only when you are outside of the country.

Roaming dual clock setting

You can display roaming dual clock on the lock screen when you use the phone outside of the country.

1. From the Home screen, tap → [T service] → [T Roaming].
2. Tap [Roaming Dual Clock Setting] and set the clock.

Help

You can see Help contents regarding on T roaming service.

1. From the Home screen, tap → [T service] → [T Roaming].
2. Tap [Help].
3. Select and check the article from the help list.

Quickoffice

You can check different types of office documents saved in the SD card (External memory card). You can check image files (JPG, BMP, PNG, GIF, WMF, EMF) and document files (PDF, Text, Word, Excel, Power Point).

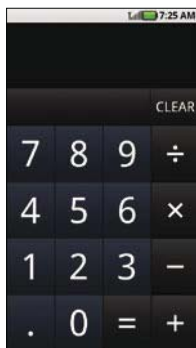
1. From the Home screen, tap → [Quickoffice].
2. Tap [Memory card] or [Recent documents].
3. Select the saved file you want to check.

Note


- Displayed file may be different from what you see in the PC and some of the images may be omitted. Also, the file may not be displayed properly depending on the format and the side of the file.
- Editing function in Quickoffice will be updated in the future.

Calculator

You can make simple calculation with the phone.



1. From the Home screen, tap → [Calculator].
2. Use touch buttons to use the calculator.
 - You can use the mathematical signs more than once in a calculation.

Tap the  button to use below functions.


| | |
|----------------|--|
| Advanced panel | You can use general formula or signs to calculate. |
|----------------|--|

My Sign

You can add frequently used functions and assign my sign to use them conveniently.




1. From the Home screen, tap → [My Sign].
2. Draw a gesture on the screen.
 - Assigned function, for the selected gesture, will operate.

Tap the  button to use below functions.

| | |
|---------------|--|
| List gestures | You can check the list of registered gesture and the function assigned to the gesture. |
| Add gesture | You can add gesture to assign the frequently used function. |



Adding a gesture

You can add gesture to assign the frequently used function.

1. From the My Sign screen, tap  → [Add gesture].
2. Select a function to be assigned.
3. Draw a gesture on the screen.
4. Tap [Save] to save a gesture.

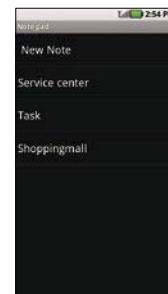
Edit action and edit/delete gesture

You can change the assigned action of the gesture or edit and delete the gesture.


1. From the My Sign screen, tap  → [List gestures].
2. When the gesture list appears, select a gesture.
3. Tap  button and select the item you want to assign.
 - Edit gesture: You can draw new gesture for the action.
 - Edit action: You can leave the gesture and change the action.
 - Delete gesture: you can delete the gesture.


Note pad

You can write a note and save it in the phone.



Adding new note

1. From the Home screen, tap → [Note pad].
2. Tap [New Note].
3. Enter content.
 - If you tap  button to go to previous screen while writing a note, it will be saved automatically.

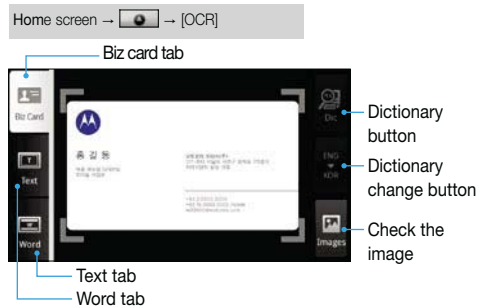
Tap the  button to use below functions.

| | |
|------------|---------------------------------|
| Revert | Move to previous screen. |
| Delete | Delete current note. |
| Edit title | Edit title of the current note. |



OCR

You can use camera on your phone to take a picture of business card, document or texts and the phone will recognize the text automatically. You can add the recognized text in the phone and use dictionary to search the definition of the words.



Tap the button to use below functions.

| | |
|----------|---|
| Settings | You can change general settings and Biz Card recognition setting. |
| About | You can see the information on OCR. |

Note

- You can use OCR while using the Camera, by tapping \rightarrow [OCR].

Before using OCR

- Text on the glossy paper may be hard for the phone to recognize the text since the light bounces off the glossy material.
- Make sure the camera and the subject is in parallel.
 - If the camera was too slanted or the subject was not in right position when the picture was taken, recognition rate may decrease.
- For normal photograph, take a picture in the light.
- Make sure the size of the font is over 10pt and take a picture from 10cm~30cm away from the document.
 - If the size of the font is smaller than 10pt, recognition rate may decrease.
- Commonly used fonts have higher recognition rate. (Ex : Myungjo, Gothic, Batang, Gulim, Dotum, Gungseo, Times New Roman, Arial, Arial Black, Palatino Linotype, Futura Bk, Book Antipua, Microsoft Sans Serif, Verdana)
 - Graphic fonts, fonts with decoration, special fonts, extremely wide or narrow fonts and extra bold fonts may not be recognized.
- Graphic design documents, documents with dark background, rough surface of the background or patterns in the background may be hard for phone to recognize the text.

Business card recognition

- From the OCR screen, tap [Biz Card] tab.
- Place the business card within the guideline.
 - If the top or side of the guideline aligns with the edge of the business card, guideline will become green.
 - If the edge of the business card is aligned with the guidelines, phone will automatically take a picture.
- Check the recognized information.
- If the information of the business card is not correct, tap the corresponding text filed to edit the information.
- Tap [Save].
 - Information will be saved in the phone.
 - You can tap [Retry] to take a picture of the business card again for a recognition.

Recognizing the business card manually

You can set to take a picture of the business card manually instead of automatic recognition upon alignment of the guidelines and the edge of the business card.

- From the OCR screen, tap \rightarrow [Settings].
- Tap the checkbox of the 'Automatically Capture'.
- Press the Camera button to take a picture.
 - Align the business card to the guidelines and press the Camera button half way to set the focus and fully press the Camera button to take a picture.

Text recognition

You can take a picture of the text and use Korean/English or English/Koeran dictionary to find the definition of the words.

- From the OCR screen, tap [Text] tab.
- Press the Camera button to take a picture.
 - Press the Camera button half way to set the focus and fully press the Camera button to take a picture.
- Tap [Recognize All] or [Select area Rec].
 - If you select [Recognize All], your phone will try to recognize All the texts with in the picture.
 - If you select [Select area Rec], you can drag to select the area and recognize within that area.
 - Tap [Retry] to take a picture again.
- Tap dictionary change button, to select the dictionary.
 - Depending on the type of the text (Korean/English) you can select Korean/English or English/Korean dictionary.
- Tap the word to search the definition.
 - Tap [Dic] button to check the full definition of the word from the dictionary.
 - Tap [Text view] to check/edit the text recognized by the phone.





Word recognition

You can take a picture of the word and use Korean/English or English/Korean dictionary to find the definition of the words.

- From the OCR screen, tap [Word] tab.
- Press the Camera button to take a picture.
 - Press the Camera button half way to set the focus and fully press the Camera button to take a picture.
- Tap dictionary change button, to select the dictionary.
 - Depending on the type of the text (Korean/English) you can select Korean/English or English/Korean dictionary.
- Tap the recognized word to find the definition.
 - If you press [Brief View] you can check the brief definition of the word.
 - Press [Dic] button to find the definition of the word from the dictionary.

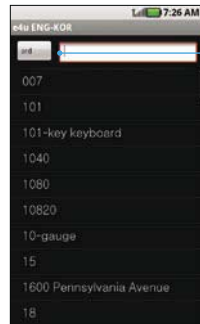
Recognize existing image

You can select the pictures taken in the past, to use the OCR function.

- From the OCR screen, tap [Image] tab.
- Select the image from the list.
 - You can see the selected image in full size.
- Tap  button.
 - BizCard, Document, Delete menu will appear.
- Tap [BizCard] or [Document] depending on the selected image.
 - After the selection, check the information of the recognized information.
- Tap  button to use the additional functions.
 - If you have selected [BizCard], Image View, Save or Retry menu will appear.
 - If you have selected [Document], Share, Save, Retry menu will appear. Saved text can be checked from External memory card → MobiReader.

Dictionary




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




Word

You can select the search method from Word, Idiom, Example, Hangulro, Spelling Check.

Using the dictionary

- From the Home screen, tap →  → [Dictionary].
- Tap  button to and select [Change Dictionary].
- Select the type of the dictionary you want to use.
- Tap the text field to enter the word and tap .
- Select the word from the searched list to check the definition.

Tap the  button to use below functions.

| | |
|--------------------------|--|
| Highlight Pen | You can highlight the text. |
| Change Dictionary | You can change the dictionary from e4u KOR-ENG, A[in] TOEIC(En-Kr) and Collins Cobuild Advanced. |
| Save | You can save the selected word in the wordbook. |
| Wordbook | You can check the words saved in the wordbook. |
| History | You can check the history of currently searched words. |
| Dict. Settings | You can set the color of the highlight pen, font size and check the dictionary version. |

Note

- Using * or ? to search the words
 - Entering * : It is a Wild card function. Phone will search any word that can be in the place of * .
(Ex : test* -> phone will search for words that contains and starts with test)
 - Entering ? : If you use question mark in between the letters to search the word, letter will fill the question mark to complete the word.
(Ex : When you enter su??er, supper, sutler, sunder will appear on the list.)
- You can use the dictionary only when the dictionary data is saved in the dictionary folder within the SD card.
If you delete dictionary folder from the SD card, format SD card or replace the SD card, you can download the dictionary data from the Motorola website. However, when the phone is being used as a USB mass storage, you cannot use the dictionary.




Alarm Clock

The phone provides bell or vibrates at the designated time.


Home screen →  → [Alarm Clock]




Tap the  button to use below functions.

| | |
|-----------------|---|
| Add alarm | You can add new alarm. |
| Hide/Show clock | You can hide/show the the analog clock on the top of the alarm list. |
| Settings | You can set Alarm in siletn mode, alarm volume, snooze duration and side button behavior. |

Alarm setting


- From the Alarm Clock screen, tap  button.
- Tap [Settings] to change the settings.
 - Alarm in silent mode : You can set your phone to turn on the alarm even when the phone is set the silent mode.
 - Alarm volume : You can set the volume for alarm.
 - Snooze duration : You can set the snooze duration.
 - Side button behavior : You can set the desired behavior of the side buttons when pressed during an alarm.

Adding new alarm

- From the Alarm Clock screen, tap  button.
- Tap [Add alarm] and set the time.
 - Alarm will sound in the time you have set.
 - Tap [+][-] to adjust the hour and minute.
 - Tap [AM/PM] to set the time in AM or PM.
- Set the ringtone.
 - Tap to select the desired ringtone.
 - Selected ringtone will sound when the alarm turns on.
- Set the vibration.
 - You can set/cancel your phone to vibrate when the alarm turns on.
- Set the repeat option.
 - Set the days for the alarm to repeat.
- Set the label.
 - To classify the alarm, set the name of it.
- Tap [OK] to save the alarm.
 - Tap [Cancel] to cancel the alarm setting.

Subway Map

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

Home screen →  → [Subway Map]



Navigation


When you zoom in the map, navigation will show you which part of the map you are looking at right now.

button

You can check more functions about subway map.

Note

- After zooming in to maximum level, you can tap and hold the individual subway station to check the following menu : timetable, information, transer help, set departing/arrival station and search on the web.

Tap the  button to use below functions.

| | |
|--------------------|---|
| My Route | You can check the saved route. |
| Station info | You can select the station To check the following menu : timetable, information, transer help, set departing/arrival station and search on the web. |
| Region Setting | You can check the subway map for Capital, Daejeon, Daegu, Busan and Gwanju. |
| Find route | You can set the departing and arrival station to check the route. |
| Los & Found Center | You can check the Lost & Found center for each region. |


My route

- From the Home screen, tap →  → [Subway Map] → .
- Tap [My Route].
- Tap desired route.
 - You can check the selected route.
 - You can find route and tap [Save route] to save the route in My Route.

Deleting my route



- From the My route screen, tap and hold the route.
- Tap [Delete route] and when the pop-up window appears, tap [OK].

Note



- To delete all the route in 'My route' tap  button from the My route screen and select [Delete My Route].






Station info

1. From the Home screen, tap →  → [Subway Map] → .
2. Tap [Station Info].
3. Enter the name for the station or scroll the list to find the route and tap the station you want to check the information.
4. Select the information you want to check.
 - You can select from timetable, information, transfer help, set departing/arrival station and search on the web.
 - You can tap [Departing Station] and select the arrival station to view the route.



Region setting

1. From the Home screen, tap →  → [Subway Map] → .
2. Tap [Region Setting].
3. Select the region.
 - You can select from Capital, Daejeon, Daegu, Busan and Gwanju.

Find route

1. From the Home screen, tap →  → [Subway Map] → .
2. Tap [Find Route].
3. Set start station.
4. Set end station.
5. Check the route.
 - Tap  button to check the shortest path, fewest transfers or save route.


Lost & Found Center

1. From the Home screen, tap →  → [Subway Map] → .
2. Tap [Lost & Found Center] and select the lost & found center from the list.
3. Check the information on the lost & found center.
 - You can check the location and the phone number for the selected lost & found center.
 - You can tap the phone number on the bottom of the screen to call selected lost & found center.

Phone Portal

You can manage the contact, pictures and other setting contents from your PC by connecting the phone via USB cable or Wi-Fi connection. For the optimized performance, use internet explorer 7 or Fire fox 3 and disable Proxy settings on your PC.


Home screen →  → [Phone Portal]

Tap the  button to use below functions.

| | |
|----------|--|
| Help | You can check the connection help. |
| Settings | You can check the version and set security login option. |

※ To use the contact management function, you must set the google account on your phone.

Using through Wi-Fi Connection

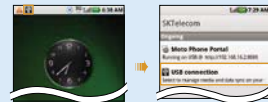
1. From the Phone Portal screen, tap [Connect with WiFi].
 - Check if you are connected to available Wi-Fi prior to selection.
 - If the pop-up window appears because your Wi-Fi is not on, tap [OK] to turn on the Wi-Fi.
2. Tap  to start Wi-Fi connection.
 - IP address will appear on the bottom of the screen.
3. Enter IP address on the internet browser on your PC.
4. Use the desired option when the Phone Portal screen appear.

Using through USB cable connection

1. Connect your phone to the PC with USB data cable.
2. Open the notification window and tap [USB connection].
 - USB connection window will appear.
 - Tap status bar and drag the tab to open and check the notification window.
 - If you are using proxy, you must disable proxy setting to use the Phone Portal.
 - To use the contact management function, you must set the google account on your phone.
3. Select [Motorola Phone Tools] and tap [OK].
 - IP address will appear on the bottom of the screen.
4. Enter IP address on the internet browser on your PC.
5. Use the desired option when the Phone Portal screen appear.

Note

• When the USB cable is connected and the USB connection is set to 'Motorola Phone Tools', you can open the notification window to check the IP address.

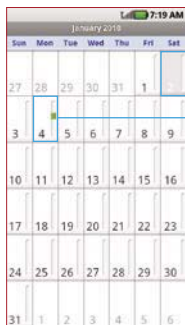


• When using the phone for the first time, saved contacts without a google account will not be synchronized with Phone portal or google contacts. In this case, even if you set the google accounts afterwards, all the saved contacts prior to account setting will not be synchronized or manageable from Phone portal or by google contacts.

Corporate Calendar

You can check the date by using corporate calendar and you can also add and manage schedule.

Home screen → [App Icon] → [Corporate Calendar]



Today

Day with an event
Green bar will be displayed

- To use the corporate calendar, you must set the set the exchange email account. (Setting exchange email account, see page 69)
- Tap the certain date to check the event on that day.
- Drag the screen up/down to check previous/next month.
- Tap and hold the certain date to use 'Show day', 'Show agenda', 'New event' menu.

Tap the [Menu] button to use below functions.

| | |
|----------------|---|
| Agenda | You can check all the events within certain periods. |
| Day/Week/Month | You can view calendar in Day/Week/Month. |
| New event | You can add new event. |
| Today | You can move to today's date on the calendar. |
| More | <p>My calendars : You can check the list of synchronized calendar. (However, actual adding/deleting calendar is only available from the web but you can use Menu → Add calendar/Remove calendar option to disable synchronize.)</p> <p>Settings : You can change Calendar view setting and Reminder settings</p> <p>Refresh : If you added an event from PC, you can synchronize the new event to your phone.</p> <p>Search Date : You can input exact date and check for events on that day.</p> |

Note

- Unlike google calendar, you can only have one corporate calendar available for synchronization.
- You must set the exchange server prior to using the corporate calendar.

Viewing calendar

You can check the calendar in daily, weekly or monthly.

1. From the corporate calendar screen, tap [Menu] button.
2. Select the viewing method from [Day]/[Week]/[Month].
 - Button for currently selected viewing method will not be displayed.
 - If you select [Month], you can drag up/down to see the schedules for previous/next month's schedule.
 - If you select [Week], you can drag up/down to see hourly schedule and drag left/right to check the previous/next week's schedule.
 - If you select [Day], you can drag up/down to see hourly schedule and drag left/right to check the yesterday/tomorrow's schedule.

Adding new event


You can add new event on the calendar.

1. From the corporate calendar screen, select the date you want to add the event.
 - You can tap [Menu] button and select [New event].
 - You can drag the screen up/down to check the earlier, later time.
3. Input detail information of the event.
 - Input information such as event name, starting/ending timer, location, description, guests, repetition and reminder.
4. Tap [Done].
 - Tap [Revert] to cancel adding an event.
 - If you have mandatory participant and selective participant with email address, meeting request window will appear. If you tap [Save and Send], even will be added and the meeting request will be sent. However, if you just tap [Save], event will be saved without sending a meeting request.



Editing event

You can edit the existing event on the calendar.

1. From the corporate calendar, tap the date with an event.
2. Tap the event to be edited.
 - Information of the event will appear.
3. Tap the  button and tap [Edit event]
 - Event details screen will appear.
4. Edit detail information and tap [Done].
 - Tap [Revert] to cancel editing.


Deleting event

You can delete the existing event on the calendar.

1. From the corporate calendar, tap the date with an event.
2. Tap the event to be deleted.
 - Information of the event will appear.
3. Tap the  button and tap [Delete event].
4. When message window appears, tap [OK] to delete selected event.

Corporate Directory

You can use this function if you set exchange email account.
You can search for corporate directory from your phone.

1. From the Home screen, tap  → [Corporate directory].
2. Enter name or email on the text field.
 - If you tap the text field, soft keyboard will appear on the bottom part of the screen.
3. Tap [Search] and tap the address from the searched list.
 - You can contact the person through the mobile number, office number or email address registered in the corporate directory.
 - Tap [Add to Contacts] to add the contact information on your phone.

Note

- For instruction on 'Setting exchange email account, see page 69.
- If you register corporate directory, contacts manage from phone will be synchronized to your corporate directory. If you delete the exchange account, all the existing contacts will also be deleted from the phone.

TaskManager

You can check the list of applications in use and switch or end the application.

- 1: Tap and hold  button → [Launch TaskManager]
- 2: Home screen →  → [TaskManager]



Applications/Processes tab

You can select the tab to check the list of applications or processes

Applications that cannot be forcefully ended will be displayed in light grey.

Available memory and number of running application will be displayed

Switch application

You can select and switch application from the list of applications in use.

1. From the TaskManager screen, tap and hold the application.
 - Pop-up menu will appear.
2. Tap [Switch to].
3. Use selected application.

End Task

You can select and end the application from the list of applications in use.

1. From the TaskManager screen, tap and hold the application.
 - Pop-up menu will appear.
2. Tap [End Task].

End multiple tasks at once

From the TaskManager screen, you can select the check box to end multiple tasks at once.

1. From the TaskManager screen, select the check box on the right side of the application.
 - Selected check box will turn green.
 - Applications that cannot be forcefully ended will be displayed in light grey.
2. Tap [End].






Settings

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Wireless & networks

You can change the wireless & network settings such as Airplane mode, Wi-Fi, Bluetooth.

1. From the Home screen, tap  → [Settings].
2. Tap [Wireless & networks].
 - All the wireless and network related items will be displayed.
3. Select the item and change the setting.

| | |
|-----------------------------|--|
| Airplane Mode | You can set/cancel the airplane mode. - If you set the airplane mode on, you cannot use or change the status of communication related functions. |
| Wi-Fi | You can turn on or off the Wi-Fi function. |
| Wi-Fi settings | - You can set/cancel the network notification. - From searched Wi-Fi list, you can select the Wi-Fi network you want to use. - You can add Wi-Fi network. |
| Data network setting | You can set the connection option for Data network(3G) that can be charged. Allow Data network If the Wi-Fi network connection is lost, phone will automatically connect to Data network. Ask for Data network If the Wi-Fi network connection is lost, phone will ask if you want to stay connected through Data network connection. Not allow Data network If the Wi-Fi network connection is lost, phone will not connect to Data network. |

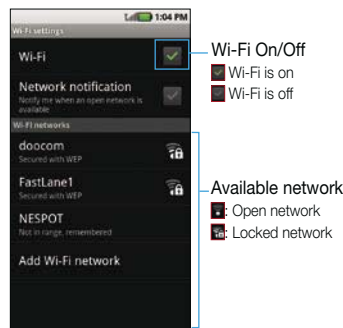
| | |
|---------------------------|--|
| Bluetooth | You can turn on/off the bluetooth. |
| Bluetooth settings | You can change the device name while bluetooth is on, change whether or not your device is discoverable. Also you can scan for devices to use other functions via bluetooth (such as file transfer). |
| Control Auto-sync | To save the battery consumption, your phone will automatically disable the synchronization in the areas with weak reception. |
| VPN settings | You can set up and manage virtual private networks. |
| Mobile networks | You can set options for roaming & networks. |

Note



- When you are connected to Wi-Fi, you will lose Wi-Fi connection when the phone locks itself to sleep mode. At this moment, if your Data network setting is set to 'Allow Data network', your phone will connect to Data network automatically and you may be charged with unexpected data service charge.
- From above case, if your Data network setting is set to 'Ask for Data network', you may not be able to use functions that need to be synchronized (such as email and calendar etc.).

Wi-Fi Settings

You can connect to wireless internet connection to use internet from your phone without spending extra communication charges. However, if you download contents from the website, you can be charged depending on the contents.




Turning on the Wi-Fi

1. From the Home screen, tap  → [Settings].
2. Tap [Wireless & networks].
 - Wireless & network related settings will appear.
3. Select the check box on Wi-Fi.
 - When Wi-Fi turns on, checkbox will turn green.
 - You can check the reception status through the  icon in the status bar.

Call settings

You can change the call related settings.


1. From the Home screen, tap  → [Settings].
2. Tap [Call settings].
 - All the call related items will be displayed.
3. Select the item and change the setting.

| | |
|-------------------------------|--|
| Crystal Talk setting | You can set the quality of the call. |
| Outgoing international | You can restrict outgoing international calls. |
| Outgoing 060/070 | You can restrict outgoing 060 or 070 numbers. |



Sound & display

You can change all the sound & display related settings.

1. From the Home screen, tap  → [Settings].
2. Tap [Sound & display].
 - All the sound & display related items will be displayed.
3. Select the item and change the setting.

Sound settings


| | |
|------------------------|--|
| Silent mode | You can turn on or off the silent mode. All the sound except media and alarm will be silent. |
| Ringer volume | You can adjust the volume for the ringer. |
| Media volume | You can adjust the volume for music and videos. |
| Phone ringtone | You can set the ringtone type. |
| Phone vibrate | You can set your phone to vibrate when there is incoming call. |
| Call Waiting Vibration | You can set your phone to vibrate when there is second incoming call. |
| Notification ringtone | You can set the notification ringtone. |
| Audible touch tones | You can set the tones that sound when you use the dialpad. |
| Audible selection | You can set the tones that sound when you make screen selection. |
| Haptic feedback | You can set the vibration for tapping the touch buttons. |
| SD card notifications | You can set the notification for that alerts you depending on the status of SD card. |

Display settings

| | |
|-----------------------|--|
| Orientation | You can set/cancel automatic orientation switch when the phone is rotated. |
| Animation | You can set the animation display from no animations, some animations and all animations. |
| Brightness | You can set the brightness of the phone. |
| Screen timeout | You can set the time for which the phone automatically turn off the screen. |
| Visual notification | You can set your phone to notify you with LED blinking when there is new message or missed calls etc. |
| Periodic notification | You can set your phone to notify you every 15 minutes when there is unchecked message or missed calls. |

HDMI

If you use HDMI cable to connect the phone to other media device, you can set the HDMI output resolution depending on size of the media.

1. From the Home screen, tap  → [Settings].
2. Tap [HDMI].
 - HDMI format setting window will appear.
3. Set the desired format.
 - You can set it from 720p, 480p and auto.

Location & security

You can set the GPS settings and other location and security related settings.


1. From the Home screen, tap  → [Settings].
2. Tap [Location & security].
 - Location & security related items will be displayed.
3. Select the item and change the setting.

| | |
|-----------------------|---|
| Use Data network | You can set/cancel to find my location by using AP information collected by Google. |
| Use GPS satellite | You can set/cancel to use GPS to locate accurate location of myself from the map. |
| Use GPS guide | You can access the satellite location based information to receive satellite information to quickly find the location of myself. |
| Set unlock pattern | You can set the unlock pattern to prevent the other person from using the phone. <ul style="list-style-type: none">- Require pattern: Set/cancel to use the unlock pattern.- Use visible pattern: You can set/cancel to display the lines between the dots when using the unlock pattern.- Use tactile feedback: You can set/cancel the vibration feedback for connecting between the dots when using the unlock pattern. |
| Set up USIM card lock | You can set the password to restrict other person from using your USIM card or prevent using other USIM card on this phone. |



| | |
|------------------------|---|
| Visible password | You can set/cancel to view the password when using the internet. |
| Use secure credentials | You can set/cancel to allow applications to access secure certificates and other credentials. |
| Install from SD card | You can install encrypted certificates from SD card. |
| Set password | You can set or change the credential storage password. |
| Clear storage | You can clear storage of all contents and reset its password. |

Account & sync

1. From the Home screen, tap  → [Settings].
2. Tap [Account & sync].
3. Select an item to change the settings or add account.

| | |
|-----------------|---|
| Background data | You can set/cancel for applications to sync, send and receive data at any time. |
| Auto-sync | You can set/cancel for applications to sync the data automatically. |

※ When you set to use the background data or auto-sync, battery consumption will increase. Extra data service charge may apply when using the 3G network.


Managing accounts

You can change the detail settings of the existing accounts and also add new exchange or google accounts.

- Tap [Add account] on the bottom of the screen to add an exchange or google account.
 - Exchange account: See 'Setting exchange email account' in page 66
 - Google account: See 'Setting google account' in page 72.
- You can select existing account to set the sync options.

Applications


You can manage applications and the programs in use.

1. From the Home screen, tap  → [Settings].
2. Tap [Applications].
 - Application related items will appear.
3. Select the item and change the setting.

| | |
|---------------------|--|
| Unknown sources | You can set/cancel to allow installation of non-Market applications. |
| Manage applications | You can manage and remove installed applications. |
| Running services | You can view and control currently running services. |
| Development | You can set options for application development. |

Privacy

For effective use of google service, you can allow to use the location information or reset the phone to factory default.

1. From the Home screen, tap  → [Settings].
2. Tap [Privacy].
3. Select an item to change the settings.

| | |
|--------------------|--|
| Use My Location | You can allow to use location information for google search results and other google services. |
| Factory data reset | You can erase all data on the phone and set it to factory default. |

SD card & phone storage


You can check and manage the memory on the SD card (external memory card) or the phone.

1. From the Home screen, tap  → [Settings].
2. Tap [SD card & phone storage].
3. Check the memory on SD card and the phone.

| | |
|-----------------|--|
| Total space | You can check the total space of the SD card. |
| Available space | You can check the available memory space on the sd card. |
| Unmount SD card | You can select this item to remove the SD card from the phone safely to prevent any data loss. |
| Format SD card | You can format SD card. |
| Available space | You can check the available space within your phone. |

Search


You can set the functions regarding on google search.

1. From the Home screen, tap  → [Settings].
2. Tap [Search].
 - Search realated items will be displayed.
3. Select an item to change the settings.

| | |
|-------------------------------|--|
| Google search settings | Show web suggestions You can set to show suggstions from Google as you type in the search keyword. Search history You can set to show personalized search history by the user. Manage search history You can manage personalized seach history. |
| Searchable items | You can choose what to search on the phone. |
| Clear search shortcuts | You can clear shortcuts to recently chosen search results. |

Language & Keyboard


You can select languages and set the keyboard options.

1. From the Home screen, tap  → [Settings].
2. Tap [Language & keyboard].
3. Select an item to change the settings.

| | |
|----------------------------------|---|
| Select locale | You can select language and region. |
| Android keyboard | You can set/cancel following options; Vibrate on keypress, sound on keypress, auto-capitalization, quick fixes, show suggestions, auto-complete. |
| Input method editors | You can set/cancel following options; input language setting, sound on keypress, about, word recommendation use, keyboard script recognition and handwriting settings. |
| User dictionary | You can add and remove words from user dictionary. |
| Enable cursor positioning | You can set/cancel to allow you to accurately set the cursor position in text fields using your finger. |

Accessibility

You can enter text on your phone and change the text to speech.


1. From the Home screen, tap  → [Settings].
2. Tap [Accessibility].
 - It is not initially set to be selectable.
3. Download sound related applicatoin from the google Market and check the [Accessibility] menu. You will be able to see the downloaded application in the list.
4. Check 'Accessibility' and select the downloaded application. Phone will make a sound when you move between the menus (in English mode only).
 - Korean is not supported at the moment.

Note

- For examples of sound related applications, you can type in 'Talk' from the Market and download 'Talkback' application. It will appear on the accessibility list.

Text-to-speech

You can enter text on your phone and change the text to speech.


1. From the Home screen, tap  → [Settings].
2. Tap [Text-to-speech].
3. Select an item to change the settings.

| | |
|-------------------------------|--|
| Listen to an example | You can play a short demonstration of speech synthesis. |
| Install voice data | You can install the voice date required for speech synthesis through google service. |
| Always use my settings | You can set default settings below override application settings. |
| Speech rate | You can set the speed at which the text is spoken. |
| Language | You can set the language-specific voice for the spoken text. |



Date & time


You can manually set the date and time.

1. From the Home screen, tap  → [Settings].
2. Tap [Date & time].
3. Select an item to change the settings.

| | |
|---------------------------|--|
| Automatic | You can set/cancel to use network-provided values for the date and time. |
| Set date | You can set the date. (When 'Automatic is not selected) |
| Select time zone | You can select the time zone. (When 'Automatic is not selected) |
| Set time | You can set the time. (When 'Automatic is not selected) |
| Use 24-hour format | You can change the time display format. |
| Select date format | You can change the date display format. |

About phone

You can check the information of the phone.

1. From the Home screen, tap  → [Settings].
2. Tap [About phone].
3. Select an item and check the information.

| | |
|----------------------------|---|
| System updates | You can update the system to latest version. |
| Auto System Update | You set your phone to check for system update every 30 days. |
| Status | You can check the basic status and settings of the phone. |
| Battery use | You can check what has been using the battery. |
| Legal information* | You can check the open source licence data and other legal information regarding on google. |
| Safety information* | You can check the safety information regarding on using the phone. |
| Model number | You can check the model number. |
| S/W version | You can check the software version. |
| Firmware version | You can check the software (that controls the hardware) version. |
| Kernel version | You can check the system OS version. |

*If you select legal information/safety information data service fee can get charged.



Appendix

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Accessories



Standard battery



Battery charger



Multi adapter



HDMI cable



Stereo earphone



Car charger



Travel charger



Bluetooth headset



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

Troubleshooting

Nothing is displayed on the screen

- Check the battery status.

No antenna bar is displayed on the screen

- Move to other place and then attempt a call again.

Battery operating time does not comply with the User Manual

- The battery operating time reduces slowly as the batter repeats charging and discharging. The operating time reduces rapidly if the battery is left in a cold or hot place for long time.

Malfunction or failure to turn on the power

- Remove the battery and reinstall it, and then turn the power on.

TDMB is not working well

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

Specification and Feature

| | Wireless communication service | Bluetooth | WLAN |
|-----------------------------------|--------------------------------|------------------------------|---|
| Transmit frequency (MHz) | 1942.8~1977.2 | 2402~2480 | 2412~2472 |
| Receive frequency (MHz) | 2132.8~2167.2 | 2402~2480 | 2412~2472 |
| TX power | 250mW | 1mW | 10mW/MHz |
| Number of channels | 8 | 79 | 13 |
| Type of emission | G7W | F1D | G1D/D2D |
| Modulation system | QPSK | GFSK, Pi/4-DQPSK, 8DPSK | DSSS (CCK, DQPSK, DBPSK), OFDM (BPSK, QPSK, 16QAM, 64QAM) |
| Communication mode | Duplex operation system | Semi-duplex operation system | Semi-duplex operation system |
| Oscillation | PLL | | |
| Power | DC 3.7V | | |
| Exterior, Weight | 61.8X120.0X11.6mm, 136.5g | | |
| Operational temperature, humidity | -20°C~+50°C, 0%~95% | | |

Authentication Label

1. Name of the model : Wireless communication service device (XT800W)
2. Authentication number : MOT-W-XT800W-0510(B)
3. Authentication trade name : Motorola Korea Inc.
4. Date of manufacture : 2010. 5
5. Manufacturer/country : Motorola Korea Inc./China

Notice to Users

- ※ The manufacturer and the installer are not allowed to provide the service that affects people's lives since there can be an interference of in this equipment.



Motorola Service Center

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

| Region | Service Center | Location |
|-----------|--|---|
| Seoul | Gangnamgu | Samseong station 1 Floor Ildong Building 968-5 Daechi-dong Gangnam-gu Seoul |
| | Gangbukgu | Gangbuk 202ho 2 Floor Gadeuntower Building 446-13 Beon1-dong Gangbuk-gu Seoul |
| | Gangnamgu | Seolleung 703ho Hwasin Building 705-22 Yeoksam-dong Gangnam-gu Seoul |
| | Gangdonggu | Gangdong 2 Floor Yangseong Building 77-37 Seongnae-dong Gangdong-gu Seoul |
| | Eunpyunggu | Eunpyung 187-38ho Daejo-dong Eunpyeong-gu Seoul |
| | Jungnanggu | Jungnang 2 Floor 115-13 Sangbong-dong Jungnang-gu Seoul |
| | Gangseogu | Gangseo 401ho Daeseong Building 1065-14 Hwagok3-dong Gangseo-gu Seoul |
| | Gwanakgu | Gwanak 5 Floor Jeongdobilding 1422-6 Sillim-dong Gwanak-gu Seoul |
| | Gwangjingu | Technomart 6 Floor Samudong Technomart Guui-dong Gwangjin-gu Seoul |
| | Dongdaemungu | Dongdaemun 1 Floor Dongeun Building 89-53ho Sinseol-dong Dongdaemun-gu Seoul |
| | Dongjakgu | Dongjak 2 Floor Osong Building 86-1 Sadang-dong Dongjak-gu Seoul |
| | Seochogu | Gangnam 6 Floor Eundo Building 737-19beonji Banpo-dong Seocho-gu Seoul |
| | Seodaemungu | Sinchon 5 Floor Daewon building 72-25,26 Changcheon-dong Seodaemun-gu Seoul |
| | Jongno | Jongno 4 Floor Tongil Building 12beonji Jongno2-ga Jongno-gu Seoul |
| | Yeongdeugpogu | Yoeongdeungpo 9 Floor Annam Building 47-3 7ga Yeongdeungpo-dong Yeongdeungpo-gu Seoul |
| Yongsangu | Yongsan I park mall 3ho 8 Floor Jeonjajeonmunjeom I Park mall 40-999 Hangangno3-ga Yongsan-gu Seoul | |
| Incheon | Namdonggu | Incheon namdong 3 Floor 6-dong Nammun Building 1131beonji 1-dong Guwol Namdong-gu Incheon |
| | Bupyeonggu | Bupyeong 1 Floor Motorola service center 374-1 Bupyeong4-dong Bupyeong-gu Incheon |
| | Namgu | Juan 5 Floor Daedong Building 133-3 Juan-dong Nam-gu Incheon |
| Gyeonggi | Suwon | Dongsuwon 401ho Jowon Building 1046-2 Ingye-dong Paldal-gu Suwon-si Gyeonggi-do |
| | Suwon | Suwon station 3 Floor Sammyeong Building 90-17 2ga Maesallo Gwonseon-gu Suwon-si Gyeonggi-do |
| | Buksuwon | Buksuwon 203ho Dongyangparagon 2 Floor 499-3 Songjuk-dong Jangan-gu Suwon-si Gyeonggi-do |

| Region | Service Center | Location |
|----------|--|--|
| Gyeonggi | Ahnyang | Ahnyang 2 Floor Shopping mall building 1beonga 674-26 Anyang1-dong Manan-gu Anyang-si Gyeonggi-do |
| | Seongnam | Seongnam 4761beonji Sujin2-dong Sujeong-gu Seongnam-si Gyeonggi-do |
| | Bucheon | Bucheon 207ho 2 Floor 1058-3 Jung3-dong Wonmi-gu Bucheon-si Gyeonggi-do |
| | Goyang | Ilsan 211ho 110-2beonji Juyeop-dong Ilsan-gu Goyang-si Gyeonggi-do |
| | Goyang | Hwajeong 403ho Hyeonchang Building 978 Hwajeong-dong Deogyeeong-gu Goyang-si Gyeonggi-do |
| | Uijeongbu | Uijeongbu 2 Floor Gwanju building 567-2 Uijeongbu2-dong Uijeongbu-si Gyeonggi-do |
| | Guri | Guri 406ho 4 Floor Dongwon play station building Inchangdong 676-6 Guri-si Gyeonggi-do |
| | Ansan | Ansan 2 Floor Namyang Building 541-2 Gojan-dong Danwon-gu Ansan-si Gyeonggi-do |
| | Gunpo | Sanbon 201ho 2 Floor Sinmyeongsan Building 1142-6 Sanbon-dong Gunpo-si Gyeonggi-do |
| | Gwangmyung | Gwangmyeong 306ho 3 Floor Leaders Building 158-195ho Gwangmyeong-dong Gwangmyeong-si Gyeonggi-do |
| | Pyeongtaek | Pyeongtaek 2 Floor 62-17beonji Pyeongtaek-dong Pyeongtaek-si Gyeonggi-do |
| | Icheon | Icheon 2 Floor 148-11beonji Changeon-dong Icheon-si Gyeonggi-do |
| | Yongin | Yongin 302ho 3 Floor Sincheon Building 241-5beonji Samga-dong Cheoin-gu Yongin-si Gyeonggi-do |
| | Gimpo | Gimpo 2 Floor Geonjae Building 858beonji Bukbyeon-dong Gimpo-si Gyeonggi-do |
| | Osan | Osan 402ho Osan-green Plaza 925-6 Osan-dong Gyeonggi-do |
| Bundang | Bundang 6 Floor Aubi Building Seohyeon 272-1 Seohyeon-dong Bundang-gu Seongnam-si Gyeonggi-do | |
| Daejeon | Donggu | Daejeon donggu 2 Floor Yongjeon Building 172-4 Yongjeon-dong Dong-gu Daejeon |
| | Junggu | Daejeon junggu Motorola 2 Floor Socheong1beonga Building 5-2 Seonhwa-dong Jung-gu Daejeon |
| | Seogu | Daejeon seogu 2 Floor Hanyang Plaza 835beonji Tanbang-dong Seogu Daejeon |
| Chungnam | Cheonan | Cheonan 1 Floor Wonhong Building 135-19 Wonseong-dong Cheonan-si Chungcheongnam-do |
| | Nonsan | Nonsan 605-6ho Chwiam-dong Nonsan-si Chungcheongnam-do |



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

| Region | | Service Center | Location |
|-----------|------------|---------------------|--|
| Chungnam | Gongju | Gongju | 2 Floor 228beonji Jung-dong Gongju-si Chungcheongnam-do |
| | Seosan | Seosan | 2 Floor 126-18 Eupnae-dong Seosan-si Chungcheongnam-do |
| | Asan | Asan | 111-3ho Bangchuk-dong Asan-si Chungcheongnam-do |
| Chungbuk | Cheongju | Cheongju heungdukgu | 2 Floor 1053beonji Bongmyeong1-dong Heungdeok-gu Cheongju-si Chungcheongbuk-do |
| | | Cheongju sangdanggu | 112-7 Munhwa-dong Sangdang-gu Cheongju-si Chungcheongbuk-do |
| | Chungju | Chungju | 1042 Munhwa-dong Chungju-si Chungcheongbuk-do |
| | Jecheon | Jecheon | 69-9 2ga Jungangno Jecheon-si Chungcheongbuk-do |
| Busan | Namgu | Busan namgu | 2 Floor 73-4ho Daeyeon-dong Nam-gu Busan |
| | Dongraegu | Busan dongraegu | 1436-5beonji Oncheon2-dong Dongnaegu Busan |
| | Sasanggu | Busan sasangu | 502ho Cheongho Building 547-1 Gwaebeop-dong Sasangu Busan |
| | Jingu | Busan jingu | 2 Floor Myeongseong Building 870-12beonji Beomcheon1-dong Jingu Busan |
| | Junggu | Busan junggu | 3 Floor Dongnam Building 15-5 4ga Nampo-dong Junggu Busan |
| | Haeundaegu | Busan haeundaegu | 2 Floor 586-23beonji U-dong Haeundaegu Busan |
| Gyeongnam | Masan | Masan | 2 Floor SK telecom 151-25 Yangdeok2-dong Masan-si Gyeongsangnam-do |
| | Ulsan | Ulsan junggu | 2 Floor 226-43 Seongnam-dong Junggu Ulsan |
| | | Ulsan | 2 Floor Jungang Building 568-11 Sinjeong3-dong Namgu Ulsan |
| Gyeongnam | Gimhae | Gimhae | 613-12 Buwon-dong Gimhae-si Gyeongsangnam-do |
| | Jinju | Jinju | 1 Floor 60-11beonji Jangdae-dong Jinju-si Gyeongsangnam-do |
| | Changwon | Changwon | 105-1ho 1 Floor Newolympia-sangga 95-2 Jungang-dong Changwon-si Gyeongsangnam-do |
| | Yangsan | Yangsan | 462-10 Bukbu-dong Yangsan-si Gyeongsangnam-do |
| | Tongyeong | Tongyeong | 5-26beonji Buksin-dong Tongyeong-si Gyeongsangnam-do |
| | Jinhae | Jinhae | 761-288 Yeojwa-dong Jinhae-si Gyeongsangnam-do |

| Region | | Service Center | Location |
|-----------|-------------|---------------------|---|
| Daegu | Junggu | Jungdaegu | 2 Floor Gyeongilgaebal Building 2118-2 Namsan3-dong Junggu Daegu |
| | Donggu | Dongdaegu | 502ho Silla Building 19-4beonji Sincheon3-dong Donggu Daegu |
| | Bukgu | Bukdaegu | 2 Floor 281-2 Nowon2ga Bukgu Daegu |
| | Seogu | Seodaegu | 5 Floor Dongsan Building 458-48beonji Naedang4-dong Seogu Daegu |
| Gyeongbuk | Gyeongsan | Gyeongsan | 2 Floor 247-6beonji Siji-dong Suseong-gu Daegu-si Gyeongsangbuk-do |
| | Gumi | Gumi | 1 Floor 189-22 Wonpyeong2-dong Gumi-si Gyeongsangbuk-do |
| | Andong | Andong | 333-102 Dangbuk-dong Andong-si Gyeongsangbuk-do |
| | Kyungju | Kyungju | 121-21 Noseo-dong Kyungju-si Gyeongsangbuk-do |
| | Youngchun | Youngchun | 1 Floor 183-18beonji Yasa-dong Youngchun-si Gyeongsangbuk-do |
| Gwangju | Pohang | Pohang | 732-15beonji Daeheung-dong Buk-gu Pohang-si Gyeongsangbuk-do |
| | Gwangsangju | Gwangju gwangsangju | 1 Floor 906-6beonji Singa-dong Gwangsangju Gwangju Jeollanam-do |
| | Namgu | Gwangju namgu | 395-16beonji Bangnim-dong Namgu Gwangju Jeollanam-do |
| | Bukgu | Gwangju bukgu | 209ho Central building 867-1 Wolgyedong Gwangsangju Gwangju |
| | Seogu | Gwangju seogu | 480-14beonji Sinan-dong Bukgu Gwangju Jeollanam-do |
| Jeonnam | | | 647-14 Nongseong-dong Seogu Gwangju Jeollanam-do |
| | Mokpo | Hadang | 880beonji Sang-dong Mokpo-si Jeollanam-do |
| | Suncheon | Suncheon | 1 Floor Bonghwa Building 1686-9beonji Jorye-dong Suncheon-si Jeollanam-do |
| | Yeosu | Yeosu | 576-7beonji Mipyong-dong Yeosu-si Jeollanam-do |
| Jeonbuk | Haenam | Haenam | 438-3ho Hae-ri Haenam-eup Haenam-gun Jeollanam-do |
| | Jeonju | Jeonju kyungwon | 2 Floor 33-10 3ga Gyeongwon-dong Wansan-gu Jeonju-si Jeollabuk-do |
| | | Jeonju keumam | 711-1 Geumam-dong Deokjingu Jeonju Jeollabuk-do |



| Region | Service Center | Location |
|---------|----------------|---|
| Jeonbuk | Iksan | Iksan 3ga 53-1 Jungang-dong Iksan-si Jeollabuk-do |
| | Gunsan | Gunsan 2 Floor 845-11 Naun-dong Gunsan-si Jeollabuk-do |
| | Jeongeup | Jeongeup 44-59beonji Yeonji-dong Jeongeup-si Jeollabuk-do |
| | Namwon | Namwon 1048-2beonji Hyanggyo-dong Namwon-si Jeollabuk-do |
| | Gimjae | Gimjae 178-13 Yochon-dong Gimje-si Jeollabuk-do |
| Kangwon | Chuncheon | Chuncheon 661-21 Hyoja2-dong Chuncheon-si Gangwon-do |
| | Gangneung | Gangneung 134-9 Gyo2-dong Gangneung-si Gangwon-do |
| | Wonju | Wonju 7 Floor Jiam Building 193-6 Ilsan-dong Wonju-si Gangwon-do |
| | Sokcho | Sokcho Hannam Building 1 Floor 932-4beonji Gyo-dong Sokcho-si Gangwon-do |
| | Donghae | Donghae 3 Floor Saemsil Building Saemsil 851beonji Cheongok-dong Donghae-si Gangwon-do |
| Jeju | Jeju | Jeju 4 Floor Jeongju Building 1060-14beonji Ido2-dong Jeju-si |

※ Location and address of the service center may change without notice. For detail A/S information please visit our website (www.motorola.com/kr/consumer).

Customer Support Center

Mobile Phone Customer Support Center

- Mon. ~ Fri. 9:00 ~ 18:00
Sat. 9:00 ~ 13:00 Holidays/Sun. Closed
(Business Hours 9:00 ~ 18:00(Weekdays))
- Technomart Center (Holidays/Sun. Closed)
Weekdays : 10:00 ~ 19:00 / Sat. : 10:00 ~ 14:00
- Yongsan Center (Holidays/Sun. Closed)
Weekdays : 10:30 ~ 19:00 / Sat. : 10:30 ~ 14:00
- ※ Department store : Closed every first Monday of the month
- Toll-free(Telephone) 1588-6633

Motorola Website

- www.motorola.com/kr/consumer

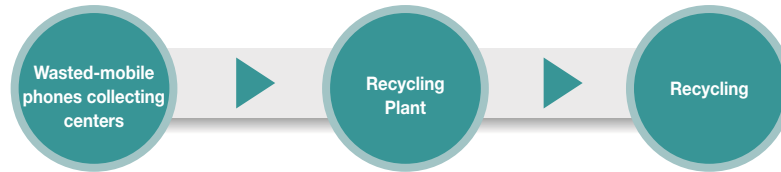
SK Telecom Customer Center

- Customer Center : 1599-0011(Paid service) /
From your mobile phone : 114(Free of charge)
- MCustomer Center : From your mobile phone **114 + NATE button(Free of charge)
- Internet : www.tworld.co.kr
- Global Roaming : 1599-2011(Paid service)
- T MAP Navigation 1588-4011(Paid service) /
From your mobile phone 1522(Free of charge)
- Billing Management center 1599-0500(Paid service)

Collecting wasted-mobile phones

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

Motorola phone collecting centers



Recycling of wasted-mobile phone

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

Guidelines for collecting discarded Motorola mobile phones



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



Battery Disposal

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

Battery disposal precautions

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

Safety, Regulatory & Legal

Battery Use & Safety

Important : Handle and store batteries properly to avoid injury or damage.

Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

DON'Ts

- Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.
- Don't let the phone or battery come in contact with water. Water can get into the phone's circuits, leading to corrosion. If the phone and/or battery get wet, have them checked by your service provider or contact Motorola, even if they appear to be working properly.*
- Don't allow the battery to touch metal objects. If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.
- Don't place your battery near a heat source. Excessive heat can damage the phone or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
 - Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
 - Avoid leaving your phone in your car in high temperatures.*

DOs

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

* **Note:** If the product guide expressly states that your phone is designed to resist damage from exposure to certain rugged conditions, such as water immersion, rain, dust, high and low temperatures, shock, or other conditions, do not exceed the stated limits, and ensure the stated precautions are taken. Always make sure that the battery compartment is closed and secure to avoid direct exposure of the battery to any of these conditions.

Important: Use Motorola Original products for quality assurance and safeguards. To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. Consumers should confirm that any battery they purchase has a "Motorola Original" hologram.

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

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;
- If there is no hologram, the battery is not a Motorola battery;



- If there is a hologram, replace the battery and retry charging it;
- If the message remains, contact a Motorola authorized service center.

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

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

Proper and safe battery disposal and recycling:

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

- www.motorola.com/recycling
- www.rbrc.org/call2recycle/ (in English only)

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



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

■ Battery Charging

Battery Charging Notes for charging your phone's battery:

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

■ Specific Absorption Rate (IEEE)

Your model wireless phone meets the governmental requirements for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured to not exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed for the safety of all persons, regardless of age or health, and to account for any variations in measurements.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The IEEE SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 watts per kilogram (W/kg), averaged over one gram of tissue. Tests for SAR are conducted using procedures accepted by the FCC and by Industry Canada with the mobile device transmitting at its highest certified power level in all tested frequencies. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be below the maximum value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network.

In general, the closer you are to a wireless base station, the lower the power output.

Before a mobile device is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) submitted to the FCC and available for review by Industry Canada. The highest SAR value for this mobile device when tested for use at the ear is 1.01 W/kg, and when worn on the body, as described in this guide, is 0.49W/kg. Body-worn measurements can differ, depending upon available accessories and regulatory requirements.

The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product. While there may be differences between the SAR levels of various mobile devices and at various positions, they meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on SAR can be found on the Cellular Telecommunications & Internet Association (CTIA) Website: <http://www.phonefacts.net> or the Canadian Wireless Telecommunications Association (CWTA) Website: <http://www.cwta.ca>

■ European Union Directives Conformance Statement

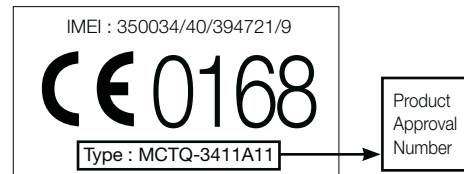


[Only Indoor Use Allowed In France]

Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

The above gives an example of a typical Product Approval Number.



You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte. To find your DoC, enter the Product Approval Number from your product's label in the "Search" bar on the Website.



Software Copyright Notice

Motorola products may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Content Copyright

The unauthorized copying of copyrighted materials is contrary to the provisions of the Copyright Laws of the United States and other countries. This device is intended solely for copying non-copyrighted materials, materials in which you own the copyright, or materials which you are authorized or legally permitted to copy. If you are uncertain about your right to copy any material, please contact your legal advisor.

Open Source Software Information

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

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

The Motorola website opensource.motorola.com also contains information regarding Motorola's use of open source. Motorola has created the opensource.motorola.com website to serve as a portal for interaction with the software community-at-large.

To view additional information regarding licenses, acknowledgments and required copyright notices for open source packages used in this Motorola mobile device, please tap **Menu Key > Settings > About Phone > Legal information > Open source licenses**. In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.

GPS & AGPS

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

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.

Emergency Calls

When you make an emergency call, the cellular network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location. AGPS has limitations and might not work in your area. Therefore:

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

Performance Tips

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

Navigation

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

Safety & General Information

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

Exposure to Radio Frequency (RF) Energy

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

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



Operational Precautions

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

Product Operation

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

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

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

RF Energy Interference/Compatibility

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

Follow Instructions to Avoid Interference Problems

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

Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

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

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

Driving Precautions

Using a mobile device while driving may cause distraction. End a call if you can't concentrate on driving. Input information about your destination and route prior to your drive. Do not input data or engage in text messaging while driving. Keep your eyes on the road while driving. Listen to the audible turn-by-turn directions, if available.

Also, using a mobile device or accessory may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products. Responsible driving practices can be found at www.motorola.com/callsmart (in English only).

Operational Warnings

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







Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often, but not always, posted and can include fueling areas, such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain dust, or metal powders.

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

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

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

Batteries & Chargers

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

Keep Your Mobile Device & Its Accessories Away From Small Children

These products are not toys and may be hazardous to small children. For example:

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

Glass Parts

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



Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are tired.

Caution About High Volume Usage

Warning: Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the less time is required before your hearing could be affected.



To protect your hearing:

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

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician. [Nov0109]

FCC Notice to Users

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(3).

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

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

Use & Care

To care for your Motorola phone, please keep it away from:



liquids of any kind

Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture. If it does get wet, don't try to accelerate drying with the use of an oven or dryer, as this may damage the phone.



extreme heat or cold

Avoid temperatures below 0°C/32°F or above 45°C/113°F.



microwaves

Don't try to dry your phone in a microwave oven.



dust and dirt

Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.



cleaning solutions

To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.



shock and vibration

Don't drop your phone.

Information from the World Health Organization

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

Source: WHO Fact Sheet 193

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

Caring for the Environment by Recycling

This symbol on a Motorola product means the product should not be disposed of with household waste.



Disposal of your Mobile Device & Accessories

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

These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region. Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at: www.motorola.com/recycling



Disposal of your Mobile Device Packaging & Product Guide

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

Privacy & Data Security

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

Because some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

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

Note: For information on how to backup or wipe data from your mobile device, go to www.motorola.com/support

- **Online accounts**—Some mobile devices provide a Motorola online account (such as MOTOBLUR). Go to your account for information on how to manage the account, and how to use security features such as remote wipe and device location (where available).
- **Location-based information**—Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.
- **Other information your device may transmit**—Your device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola. If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at privacy@motorola.com, or contact your service provider.

Smart Practices While Driving

Driving Safety Drive Safe, Call Smart

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas—for example, handsfree use only. Go to www.motorola.com/callsmart (in English only) for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your mobile device with one of the many Motorola Original handsfree accessories available today.
- **Position your mobile device within easy reach.** Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

- **Do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.
- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies (wherever wireless phone service is available).
- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number (wherever wireless phone service is available), as you would want others to do for you.
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number (wherever wireless phone service is available).





Warranty Policy

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

Warranty Period

- Mobile Device : 1 year
- Battery : 6 months
- Other Accessories : 1 year

Free Warranty Service

Free warranty service will be provided for one year (warranty period) after purchasing.

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

※ Refund : Refund purchasing price (Receipt required)

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

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

Paid Service

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

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



This warranty policy is valid in Korea only.