Welcome

Welcome to Motorola's world leading mobile communication technology. Motorola's mobile communication equipment are designed and produced in compliance with its strict in-house standards and the international standards. They are subject to the strict quality tests including temperature test, humidity test, dust test, vibration test and drop test. We are sure that you will be highly satisfied with the Motorola products made through these processes.

Thank you again for selecting our products, and hope that you would succeed in your business with your VU20.

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

Prohibition of illegal modification of IMEI

Removal or change of IMEI (International Mobile Equipment Identity) installed in the mobile phone manufactured and supplied by Motorola, or an attempt to reproduce and enter another IMEI in the mobile phone is strictly prohibited and subject to max. 10-year prison sentence or a fine not exceeding 20 million Won in pursuant of Article 347 of the Criminal Act.

In addition, such an illegal act may damage the software installed in the phone. Therefore, customers are required to use care not to incur any damage due to such an illegal act. The product which is illegally modified is excluded from any free or paid service warranted by Motorola.

For your safety

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

CAUTION!

- Do not lend your own phone to other person inadvertently.
- Please observe the proprieties in public places.
- For repairs or other alter services, contact our designated service center.
- If your phone has got lost or stolen, immediately report to the relevant telecommunications service provider.
- You are required to refrain from using unauthorized devices.
  - Using chargers, hands-free kits, data communication cables, batteries, or equipment other than genuine ones may deteriorate this product's performance or cause malfunction, external deformation or breakage.
- Use the accessories like an earphone cautiously.
  - If you are exposed to loud sound for long periods of time, damage to your hearing can occur.
- Make it rule to record important data separately.
  - Input data such as telephone numbers for a mobile phone may be corrupted due to user's inadvertence or unexpected problems.
- Make sure not to be in water or moisture.
  - If either mobile phone or battery is immersed in 'water' or 'liquid', the color of immersion-checking label affixed to the mobile phone or battery will be changed.

In the case of malfunction due to such reason, free service warranted by Motorola will be rejected.

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

⚠ User Guide

A manufacturer and an installer cannot provide services for saving lives because this wireless equipment stands a chance of causing radio interference.

To use the mobile phone safely and for a long time,

Make sure to use authentic goods only.

Using an unauthorized battery or charger may shorten a life cycle of the mobile phone or deteriorate its performance.

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

- The LCD may be damaged if it is given a strong impact or is dropped to the ground.
- If the glass gets damaged, please do not touch it by hands, but contact the nearest Motorola service center immediately.

Make sure not to be in water or moisture.

If either mobile phone or battery is immersed in 'water' or 'liquid', the color of immersion-checking label affixed to the mobile phone or battery will be changed.

Do not dry an immersed mobile phone with a heating apparatus.

If you dry an immersed mobile phone or battery with a heating apparatus may cause a mobile phone's explosion and external deformation or failure. Do not turn on the power while the phone is wet. Instead, separate a batter from the phone and contact a service center designated by Motorola.

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To use the mobile phone safely and for a long time,

Use and keep the phone at room temperature.

If a mobile phone or batter is placed at very hot places (inside a car in summer, an airtight place under the direct sunlight, near the fire, etc), it may run into a danger of explosion fire or external deformation. If it is used and kept at very cold places, it may reduce the capacity and lifetime of the battery.

Keep the mobile phone clean.

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

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

Giving a strong impact or dropping the mobile phone or battery may cause the phone to run into failure or explosion. In case of disassembling or modifying the mobile phone inadvertently, a free service will be rejected.

Do not use the phone while charging.

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

Use a ground-available outlet for PC power when using an USB data cable.

If you connect the phone with PC (personal computer) via an USB data cable, you may encounter a risk of electric shock depending on the grounding state of the PC power.

Do not place items containing magnetic components.

The magnetic strip such as a credit card, phone card or transportation ticket, can be damaged by the phone.

Make a back-up record of the input information in mobile phone.

- Input information like telephone numbers can be deleted upon user's inadvertency, upgrade, repair or unexpected problem.
- A manufacturer shall not be responsible for any information loss.

Do not hold the antenna when the phone is in use.

If you hold it, it can affect call quality, it also may cause the phone to operate as higher power level that needed and shorten talk and standby times.

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To use the mobile phone safely and for a long time,

Keep the phone out of reach of animals or children.

If children or animals suck or bite the mobile phone or battery, they may run into a risk of having an electric shock, explosion, exposure to electromagnetic wave, damaged parts (rubber stopper) stuck in the throat, and suffocation. In case a child use the phone, make sure that they are fully aware of this precaution.

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.

Make sure to use authentic goods only.

- Paint or metallic content on the phone may cause an allergic reaction, eczema, itching, swell, and etc.
- If any of the above symptoms occurs, stop using the phone and visit a doctor.

Using the bluetooth

Please be aware that using a bluetooth function may lead to abnormal operation or noise due to radio interference with other devices.

Keep at least 5m distance from a wireless LAN when using the bluetooth. (Bluetooth see, p.127)

Be careful that using the bluetooth function may generate abnormal operation or noise depending on environments.

(Bluetooth see, p.127)

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Locations for using the mobile phone

Do not use the mobile phone in a potentially explosive atmosphere.

Turn off your phone in a potentially explosive atmosphere like construction sites and military areas. Obey all the instructions and signals posted in a potentially explosive atmosphere. Construction crews often use remote control RF devices to set off explosives.

Do not use the mobile phone in near inflammable materials.

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

Do not use the mobile phone in a prohibited area like air crafts and hospitals.

Using a mobile phone may cause accidents in some aircrafts and hospitals using RF equipment.

Do not use the mobile phone near pacemakers.

* The Health Industry Manufactures Association recommends to keep a minimum of 15 cm (6 inches) from the pacemaker when the phone is switched on.

* Person with pacemaker should always use the phone in the opposite side of the pacemaker and maintain a separation of 15cm or more.

Using the mobile phone while driving

Refrain yourself from using the mobile phone while driving.

* Using the mobile phone in driving a car may cause direct and indirect car accidents.

* Check the laws and regulations on the use of mobile phones in the areas when you drive. Such an act is fined penalties and demerits under the Road Traffic Act.

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.

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Using battery and charger

A battery for charging is consumable.
The repetition of charge/discharge will shorten its service time gradually.

The flicker of the lamp while charging the mobile phone and the battery means that the charge is not processed.
Check the charger to avoid the trouble that may occur to each device.

If the temperature of the phone rises over 45℃ while charging the battery, the phone stops charging and switch on the LCD screen and keypad lights.

Mobile phone and battery cover need to be combined at all time.
If not, it may cause malfunction.

In case of separating a battery from the mobile phone, please turn off the power.
If not, it may cause malfunction.

Make sure to use only the TTA-authorized battery.
Using unauthorized charger may cause fatal accidents like degraded battery safety, shorter service life, explosion or fire.

Do not expose the phone direct sunlight or use it in places with high humidity.
Store in the room between 0°C ~ +40°C. 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 on or near a cooking surface, cooking appliance, iron, or radiator.
It may damage the phone and cause the phone to explode.

Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
It may damage the phone and cause the phone to explode.

Menu Table

Contents

Contents (cont'd)

Contents (cont'd)

01

Before Using the Phone

1. Components

Before using the phone, make sure that you have received all the components.

Battery cover(set of 2)

Standard-type battery(set of 2)

Battery charger

Car charger

battery adapter

5PIN USB data cable

Mobile phone

Stereo earphone

User's manual

※ The illustrations used in this manual are for your refence only, and may be different from actual view.

2. Parts of the phone

Part names and keys

Front view

External LCD/Touch pad

Antenna

Note

Push the hold button down to unlock the external LCD touch pad.

Rear view

Rear Camera

Battery Cover

Speaker

Ear jack

2. Parts of the phone

Part names and keys

Left side view

- Holes for a carrying Strap
- Volume
  - In standby mode :
    Volume of the earpiece, alarm, ringtone
    Switch to Etiquette mode
  - In menu, In call : Volume of key tone
  - In camera mode : Zoom In/Out
- Multi-Access button
- Battery charging connector/
  Cable connector

Open view

- Earpiece
- Camera
- Main LCD
- Navigation keys
- Light Sensor
- Mute

Right side view

- Hold button
  - Push up to lock the phone
    Push down to unlock the phone
- Camera hot key
  - Activates camera mode in standby mode

Keypad

Nate Button
- In menu : Selects menu options and confirms
- In standby mode : Press and hold to move to Nate menu
  Press to connect to Nate home

Menu Button
- In standby mode : Move to menu
- In menu : Setting My Menu

Video phone call Button
- Dial/Answer Video phone(T LIVE)
- Shows a history of calls made, received, and missed
- Press and hold to dial previous video call number

Send Button
- Dial/Answer a call
- Shows a history of calls made, received, and missed
- Press and hold to dial previous voice call number

✳ Button
- Press and hold to switch on/off 'Etiquette mode'

0 Button
- For international call press 0 + number

Phonebook Button
- In standby mode : Phonebook list
- In menu : Go back to a previous screen

Clear Button
- Go back to a previous screen
- In message : Deletes a character with each press
- Press and hold to move to 'T-Interactive' (T-Interactive, see p.81)

End Button
- Power On/Off   · End or reject a call
- Switch to standby mode

Navigation Button
- up : Move to 'W' menu (W, see p.63)
- down : Move to 'W' moneta
- left : Move to 'Message' menu
- right : Press to move to My Menu/
  Press and hold to move to 'T MAP' menu
  (T MAP, see p.76)
- In menu : Scroll up & down

Number '9' Button
- Run mobile security (Emergency, see p.79)

 # Button
- Press and hold to 'Lock All'

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3. Multi-Access

You can use Message, @Playon, June contents, Motorola features, running function, W, NATE, and voice/video phone.
Ex) You can place a voice call while using the internet.

Multi-Access screen

Press : To run
Multi-Access

Press : To run the
selected function

Press : Move and select the functions

Run Multi-Access

Press Multi-Access button ▶ Move to select the feature you want ▶ Select

➡ When using Message, @Playon, june contents, Motorola features, running function, W, NATE, or Voice/Video call, press to use the multi-access icon on the standby screen.

➡ Select the function and press .
  – Multi-Access icon displayed on the standby screen.

Note

• When using Multi-Access, Help runs automatically on the standby screen. You can set on/off of viewing Help function.

• When you have turned off Help function, you can press and hold (Left) to view Help again.

Multi-Access screen   Setting up Help screen

• When Multi-Access function is restricted, information window displayed on the screen.

• You can only use Multi-Access functions from the system memory.
  (Except when the function could effect the phone's stability.)

Icon description

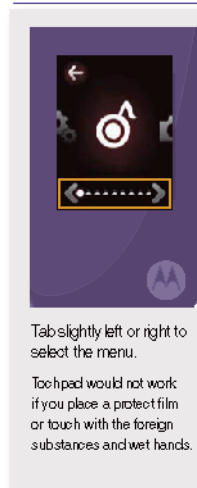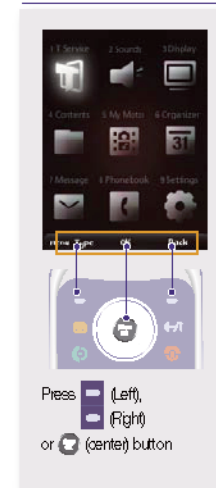|		
	Message	Move to message menu, and use various functions. (Message, see p.156)
	@Playon	Use the short cut key functions in @Playon menu. (@Playon, see p.103)
	june contents	Move to june contents box and play the downloaded content.
	Motorola Functions	Use Organizer [Scheduler(see p.149), Memo(see p.140), World Time(see p.154), Subway Map(see p.134), Dictionary(see p.136), Calculator(see p.152), E-book(see p.139)].
	Running Functions	Using the current Multi-Access function, check the running fuctions from the list.
	W	Move to W menu and use the various functions. (W, see p.63)
	NATE	Connect to NATE or june Contents Box.
	Voice/Video call	Use the recent call history, phonebook, and placing a call functions.

4. On-Screen Icons

Standby

To reduce the battery consuption, the screen lights off automatically according to backlight display setting.

Icon	Description	Icon	Description
	Tells you the strength of the network signal.		Service is not available.
	Voice call or Nate is connected.		The stereo earset is connected.
	Video call is connected.		You have recieved voice or text message.
	You have received a e-mail.		The external memory card is inserted.
	Phone is locked (Lock all,Privacy,Lock service)		Bluetooth is being used. (Bluetooth, see p.128)
	The alarm has been set and is on. (Simple alarm,Morning call,My alarm)		Touch pad is locked
	Incoming calls has set to Bell mode. Etiquette Mode Vibrate Bell&Vibrate Bell & Vibrate Louder Mute My etiquette mode		
	Tells you the status of Full Low battery Charge needed		
	USB cable is connected. (It varies depending on the receive mode selected)		
	You have set the phone as flight mode.		The phone is charging through USB cable or car charger
	The roaming service (general) is being used.		The roaming service (3G) is being used.

5. Menu move buttons

How to use the touch pad menu

Tab slightly left or right to select the menu.

Touch pad would not work if you place a protect film or touch with the foreign substances and wet hands.

How to use the menu displayed on the bottom of the screen

Press (Left), (Right) or (center) button

How to move the cursor and select a menu

Move the cursor with or , and select by pressing .
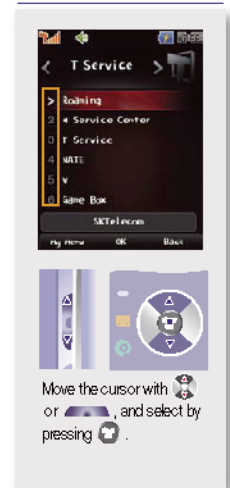
5. Menu move buttons (Cont'd)

When a scroll bar is displayed

A scroll bar is displayed if there are more menu than currently displayed on the screen. Select an item with ⊕, and press ⊕.
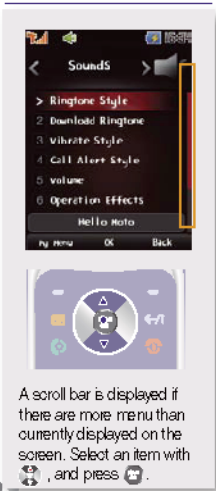
If ▶ is displayed on a side of the menu

If you press ⊟ or ⊕, the sub menu are displayed. Select an item by pressing ⊟ or press the matching number key.

If ◀ ▶ is displayed on the screen

Select the desired item with ⊕, and press ⊟.

If ◉ is displayed on the screen

Move the cursor with ⊕ or ▬▬ and select ⊟ or enter the item number.
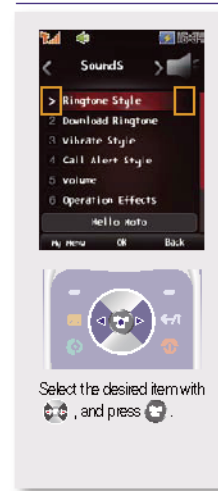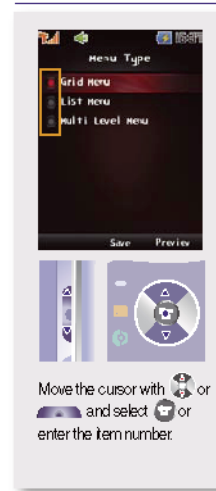
6. USIM card

Insert USIM(Universal Subscriber Identity Module) card supports from SKT in order to use the phone.

Installing USIM card
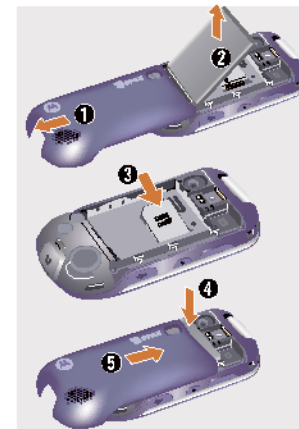
❶ Push the battery cover and slide down to open.

❷ Lift to remove the battery.

❸ Insert and slide the USIM card into the USIM card holder. Make sure that the USIM card is inserted properly and that the gold contact area on the card is facing downwards.

❹ Push down and place the battery.

❺ Slide the battery cover upwards until it snaps back into place.

6. USIM card (cont'd)

Removing USIM card

❶ Remove the battery cover and the battery. (see p.32)

❷ Push upward to remove the USIM card.

❸ Place back the battery and the battery cover properly. (see p.32)

➡ Emergency call can be made with out the USIM card.
  – Press ▭ (Right) and enter the emergency number and press ▭ when USIM card is not in the phone.

➡ You can use menu on standby screen without USIM card.

Note

• For your privacy, set the USIM card password before you use. (USIM preference, see p.179)

• The metal contact of the USIM card can be easily damaged by scratches.

• Be careful not to loose or transfer the ownership to the other person. The call charge fee and other service fee is charged to USIM holder.

• The battery life can be shorten when using the USIM card with the transportation card.

• Make sure the power is off before you install the USIM card.
  – The phone can not be recognized the USIM card when the power is on.

• For more details about the USIM card, please contact SKT service center.

7. Battery

Installing the battery

charge terminal

battery cover home

❶ The battery charge terminal and the phone charge terminal should be engaged as shown in the figure.

❷ Push down the battery until it snaps.

❸ Place the battery cover to the battery cover home, slide the battery cover upwards until it snaps.

Removing the battery

battery cover home

battery removal home

❶ Push and slide down the battery cover and lift up from the battery cover home as shown in the figure.

❷ Hold and lift up the battery removal home as shown in the figure.

❸ Separate the battery from the phone.

⊘ CAUTION

• Make sure the power is off all time when removing the battery.
  – Removing the battery when the power is on could damage your phone.

7. Battery (cont'd)

Carging the battery

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

※ You must use a travel charger or a car charger in order to recharge a completely discharged battery.
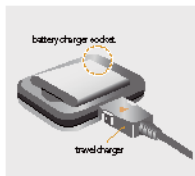
❶ Charging a battery with a battery charger

1) Connect the travel charger cable to the rear port of the battery charger.

2) Connect the power cord of the travel charger to an electric outlet, and check if the triangular lamp on the travel charger cable jack flickers in amber. (100V~220V)

3) Insert the battery to the battery charger socket.
(When inserting or removing a battery to/from the charger, check the direction of the battery release button on the charger.)

4) The charging status is displayed on the triangular lamp on the travel charger cable jack.

❷ Charging a battery with a charger adapter

1) Connect the power cord of the travel charger to an electric outlet, and check if the triangular lamp on the cable jack flickers in amber. (100V~220V)

2) Connect the travel charger cable jack to the port of the charger adapter.

3) Connect the charger adapter cable jack to the charger connector in the right side of the handset.

4) The charging status is displayed on the triangular lamp on the travel charger cable jack.

5) If the charger lamp flickers while charging the battery with the travel charger, connect the charger adapter to the hardset, and then connect the travel charger.

NOTE
Optional travel charger
Travel chargers are not included in the package for conservation of resources. You can purchase one from the shop or a service center.

❸ Charging a battery with a USB data cable

1) You can charge your phone by connecting it to the PC through a 5PIN USB data cable or a 24PIN USB data cable using a charger adapter.

➜ In order to use the charging function with a 5PIN USB data cable, you should have SKT intergrated USB driver in your PC.

➜ A 5PIN USB data cable supports both the charging and data communication functions.

➜ A 24PIN USB data cable using charger adapter only supports the charging function.

NOTE
Display icon when charging
· The charging icon is displayed if you charge the battery with a 5 PIN USB data cable or a car charger

· The screen when charging the battery while the phone is off

Battery icons when power is off
· Charging is in progress normaly / Charging is completed
· The power is disconnected or connected incorrectly (Connect the charger cable again)
· When charging a battery with a travel charger, the charger lamp shows if the battery is fully charged (turned into green from red).