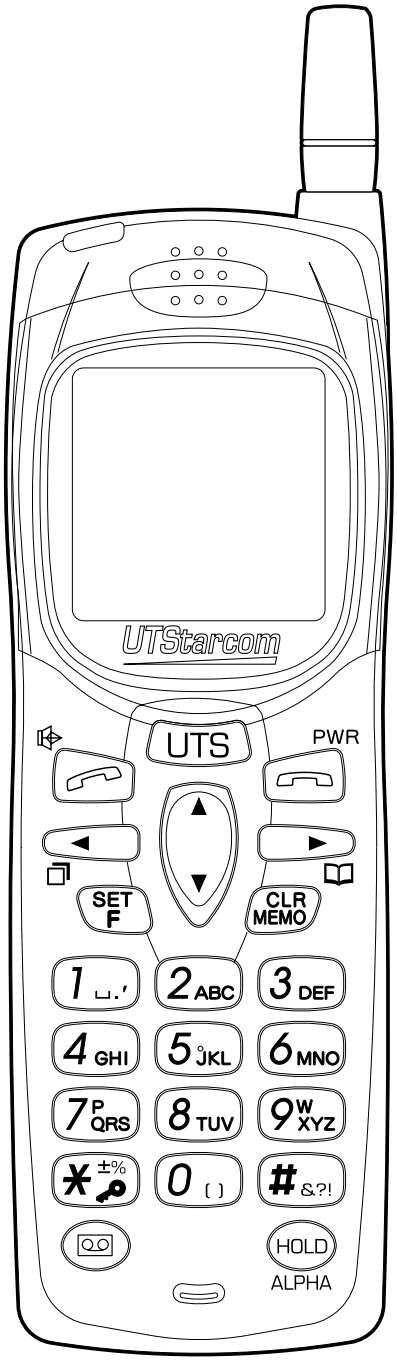
Personal Station (PS)

Model UTS-708J

INSTRUCTION MANUAL



SAFETY INFORMATION

This wireless hand phone has been tested and complies with the Federal Communications Commission (FCC) RF exposure limits for general population / uncontrolled exposure environment. In addition, it complies with the following standards and guidelines:

- FCC 96-326, Guidelines for Evaluating the Environmental Effets of Radio Frequency Radiation.

- FCC OET Bulletin 65 Edition 97-01 (1997) Supplement C, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

- ANSI / IEEE C95.1-1992, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 KHz to 300 GHz.

- ANSI / IEEE C95.3-1992, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave.

CONTENTS

BEFORE USING THIS PRODUCT

EXPLANATION OF ALERT SYNBOLS USED IN THIS MANUAL 2

FOR SAFE OPERATION-IT IS IMPORTANT YOU READ THIS 3

CAUTION OF USING 10

FEATURES OF PERSONAL STATION (PS) UTS-708J 11

CHECK PACKAGE CONTENTS ... 12

NAMES AND FUNCTIONS OF COMPONENTS 14

- DISPLAY OWN PHONE NUMBER AND NUMBER OF EACH OPRATION MODE (F00) 16
- SETTING FUNCTIONS 16
- FUNCTOIN MENU LIST 18

BECOMING FAMILIAR WITH YOUR PHONE 19

- Liquid crystal display (LCD) 19
- Attaching the hand strap 21
- Using the antenna 21
- Using the Earphone / Microphone terminal 21

CHARGING THE BATTERY PACK ... 22

- Loading and removing the battery pack 22
- Preparing the battery charger .. 23
- Charging 24
- Turning power on 24

SETTING OPERATION MODES (F51).. 25

USE AS A PHS PHONE

BEFORE USING AS A PHS PHONE ... 28

PLACING A CALL 29

- Placing / ending a call 29
- Using dial memo 31
- Using redial key to place calls ... 32
- Deleting individual memorized numbers 33
- Deleting all the content of redial, call memory or dial memo 34

RECEIVING A CALL 35

OPERATIONS DURING CALLS ... 37

- Placing a call on hold 37
- Adjusting the receiver volume ... 37
- Using the conversation memo function (communication log) 38
- Using the hands-free / speaker function 39
- Using the Flash function 40

CHARACTER INPUT METHOD ... 41

- Switching input character types ... 41

USING PHONE BOOK 43

- Registering a phone book entry 44
- Registering numbers that are stored in radial, call memory or dial memo 48
- Placing a call by search 49
- Placing a call using two touch dialing 52
- Placing a call using three touch dialing 53
- Correcting phone book entries .. 53
- Changing the group name (F92) .. 54
- Deleting contents of phone book individually 54
- Deleting all entries in phone book (F32) 55

USING THE ANSWER MESSAGE FUNCTION 56
Answering message (F24) 56
Deleting and changing original answering message (F24) 57
Setting the answening message ... 58
Canceling the answering message 59
Listening to and deleting messages ... 59
Deleting all the stored left messages 60
Setting the response time from receiving the incoming call to answering (F25) 61
Taking a call when it is received in answering message mode 61
Setting answering message when receiving an incoming call 61

MORE EFFECTIVE USE

SETTING THE CLOCK AND ALARM ... 64
Setting the clock (F62) 64
Setting the alarm and auto power off (F09) 65
ADJUSTING THE SOUND 67
Selecting the ring-tone volume and type 67
Selecting the incoming call notification method (F11) 67
Selecting the hold-tone (F14) 69
Setting and Canceling manner mode 69
List of ring-tone melody numbers ... 70
USING THE VOICE RECORDER (VOICE MEMO) FUNCTION 72
LIST OF OPERATIONS THAT CAN BE PERFORMED BY FUNCTION KEY 74

USING THE SCHEDULE FUNCTION

USING THE SCHEDULE FUNCTION .. 76
Registering a schedule 76
When the specified time arrives .. 78
Confirming or revising the registered content of a schedule 79
Deleting the registered content of schedules individually 80
Confirming or deleting old schedules (6 or more weeks old) 81
Deleting all the registered schedules 82

OTHERS

USING THE 32KBPS HIGH SPEED DATA TRANSFER SERVICE 84
Preparing for 32kbps high speed data transfer 84
Sending data by 32kbps high speed data transfer 85
Receiving data by 32kbps high speed data transfer 86
USING MODEM FOR DATA / FAX COMMUNICATION 87
Setting modem communication (F95) 88
Performing modem communication ... 88
USING THE SHORT MESSAGE SERVICE ... 89
Making an original message (Write Draft Text) 89
Insart the made message into the original message 90
Deleting the contents of original message (Draft Text) individually .. 90

CONTENTS (cont.)

Deleting the all contents of original message (Draft Text) 91
Send the message 91
Receive a message 92
Read the received message..... 93
Deleting the received message . 94

SETTING OTHER FUNCTIONS ... 95
Dial lock 95
Key lock 96
Phone book lock (F30) 96
Caller number notification (F60) ... 97
Owner Name Record (F63) 98
Back light (F65) 98
LCD contrast (F66) 99
Any key answer (F67) 99
Registering a password number (F71) 100
Set default values (F72) 101
Key touch tone (F80) 102
Out of service area alarm (F81) ... 102
Connecting (link) sound (F82) ... 103
Hand-over tone(F83) 103

USING PHONE AS A TRANSCEIVER .. 104
Things to check before using ... 104
Registering a transceiver group (F55) 104
Calling the other party 105
Receiving a call 106

APPENDIX

BEFORE ASSUMING IT'S BROKEN .. 108

MAINTENANCE 110
Maintenance 110

SPECIFICATIONS 111

BEFORE USING THIS PRODUCT

- EXPLANATION OF ALERT SYMBOLS USED IN THIS MANUAL .. P2
- FOR SAFE OPERATION - IT IS IMPORTANT YOU READ THIS .. P3
- CAUTION OF USING P10
- FEATURES OF PERSONAL STATION (PS) UTS-708J.. P11
- CHECK PACKAGE CONTENTS P12
- NAMES AND FUNCTIONS OF COMPONENTS .. P14
- BECOMING FAMILIAR WITH YOUR PHONE.. P19
- CHARGING THE BATTERY PACK .. P22
- SETTING OPERATION MODES (F51) .. P25

EXPLANATION OF ALERT SYMBOLS USED IN THIS MANUAL

So that the user can use this product in the correct safe manner, this instruction manual uses various alert symbols. These symbols are for the prevention of injury to the user or others and for the prevention of property damage. The following shows the symbols and explains their meaning. Please learn these symbols before reading this manual.

⚠ Danger	This symbol indicates that ignorance of the symbol and of the instruction given together with it or erroneous operations on the product may cause an imminent hazard which directly results in personal serious injury or death.
⚠ Warning	This symbol implies a factor that may cause personal serious injury or death due to ignorance of the symbol and of the instructions given together with it or erroneous operations of the product.
⚠ Caution	This symbol implies a factor that may cause personal injury or property damage due to ignorance of the symbol and of the instructions given together with it or erroneous operations on the product.

Example of alert symbols

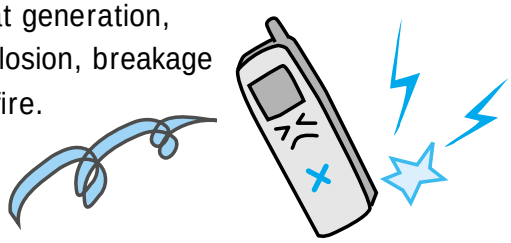
⚠	This symbol indicates CAUTION (includes DANGER and WARNING), the pictures in the triangle show caution details. (The left picture shows a general warning.)
DO NOT DISASSEMBLE / DO NOT PERFORM	These symbols indicate actions that must not be performed. Carefully read the given instructions and DO NOT carry out these actions. (The left picture shows DO NOT DISASSEMBLE.)
REMOVE PLUG / INSTRUCTIONS	These symbols indicate instructions that must be followed. Carefully read the given instructions and always carry them out. (The left picture shows REMOVE PLUG.)

Phone handling instructions

⚠ Warning

Do not give it a strong shock or throw it.

Otherwise, it may cause battery leakage, heat generation, explosion, breakage or fire.

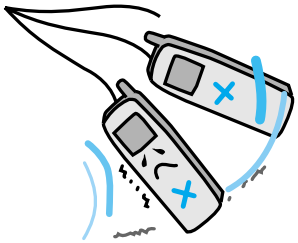


Do not use while driving or cycling.

Otherwise it will prevent safe driving and may cause accidents. Stop the car or cycle in a safe place before using this phone.

Do not swing this phone by holding its strap or antenna.

Otherwise it may hit you or others, or it may cause accidents such as injury, or damage or defect of the phone.



Do not turn on phone where there is dust or flammable substance such as propane gas or gasoline.

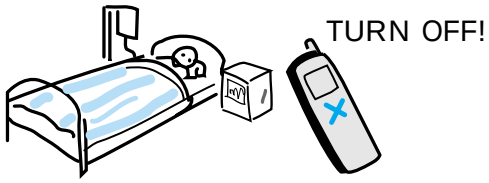
Otherwise it may cause fire or explosion.

Do not put any metal pieces or foreign matter into crevices on this phone.

Otherwise it may cause electric shock or breakage.

Do not turn this phone on near electronic equipment that uses sensitive controls or weak signals.

Use of this phone may cause electronic equipment to malfunction.
Examples of sensitive electronic equipment include: Hearing aids, medical apparatus (pacemakers included), fire alarms, automatic doors and other automatic control equipment.
If you are using a pacemaker or some other medical apparatus, ask medical apparatus makers or dealers about the effect which will be caused by the radio wave from the phone.



When using in hospitals, always follow the directions of that medical facility.

Otherwise, use of phone may adversely affect medical electronic equipment.

Keep this phone turned off while in areas prohibiting use of phone such as in aircraft.

Otherwise, use of phone may adversely affect electronic equipment.

In the event that smoke (or strange odors) comes from this phone, immediately turn it off.

Otherwise, continued use may cause fire. Take it to the dealer promptly.

Do not disassemble or modify this phone.

Otherwise, it may cause damage or an accident such as fire or injury.

If an electrical storm occurs while using this phone outside, immediately turn off the phone and move to a safe location.

Otherwise, it may cause you to get struck by lightning or get an electric shock.

Turn off your phone when in very crowded situations such as a crowded train because a nearby person may have a pacemaker fitted.

Otherwise, the phones radio waves may adversely affect pacemaker operation.

⚠ Caution

Never attempt to dry your phone if it gets wet by placing it in a microwave oven, also never place this phone in or on microwave ovens, high voltage containers or electronic cooking equipment.

Do not get on this phone. (Especially be careful with small children.)

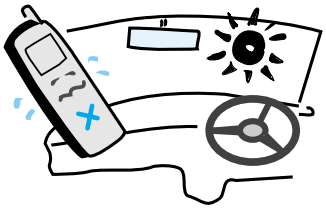
Otherwise, it may cause injury by tumbling or breaking.

Do not leave this phone in a dusty, humid or hot place.

Otherwise, it may cause a fire or a breakage.

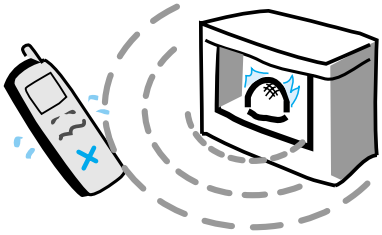
Do not leave or use it in direct sunshine or inside a car exposed to the sun.

Otherwise, it may cause battery leakage, heat generation, explosion or fire. Also the phone may break or warp.



Do not use or leave it near heaters or fires.

Otherwise, it may cause a breakage.

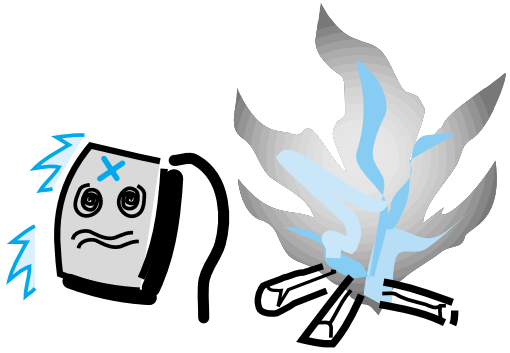


Battery pack handling instructions

⚠ Danger

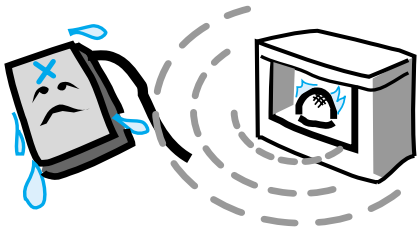
Never heat battery pack or throw it in the fire.

Otherwise, it may cause an explosion.



Do not use or leave the battery pack in hot places such as near heaters or fire.

Otherwise, it may cause leakage, or heat generation, explosion or ignition.



⚠ Warning

Do not connect a short circuit between + and - of the connector of the battery pack.

Otherwise, it may cause a leakage, heat generation or explosion.

Use the designated battery pack only.

Otherwise , it may cause an injury, fire or contamination of the outer surface by the leakage or explosion of the battery pack.

Do not replace the battery pack with a wet hand.

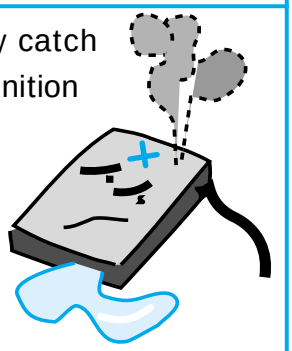
Otherwise, it may cause ignition or a breakage.

Never touch substances leaking from the battery pack.

Otherwise, battery fluids can burn skin or cause blindness. In case fluid gets in contact with eyes, immediately flush eyes with running water and get prompt medical attention.

When leakage or odors come from battery pack, immediately move away from fire.

Otherwise, fluid may catch fire and cause an ignition or explosion.



Do not let battery pack get wet by water or urine of pets.

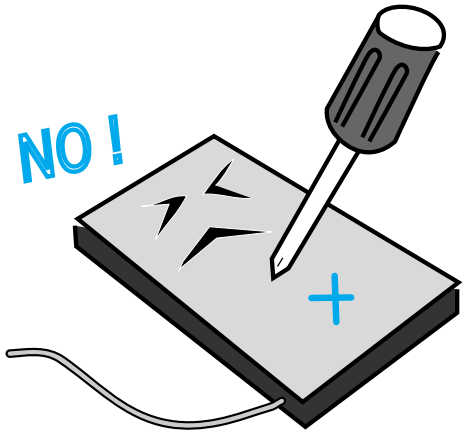
Otherwise, it may cause heat generation, smoke emission or rust.

When battery fluids get on skin or clothing, wash immediately with running water.

Otherwise, it will damage skin.

Do not disassemble or modify the battery pack.

Otherwise, it may cause a leakage, heat generation, explosion or ignition.



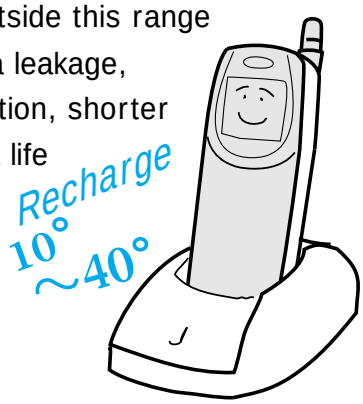
Caution

Ensure battery pack is correctly installed.

Otherwise, failure to observe cell polarity may damage the product.

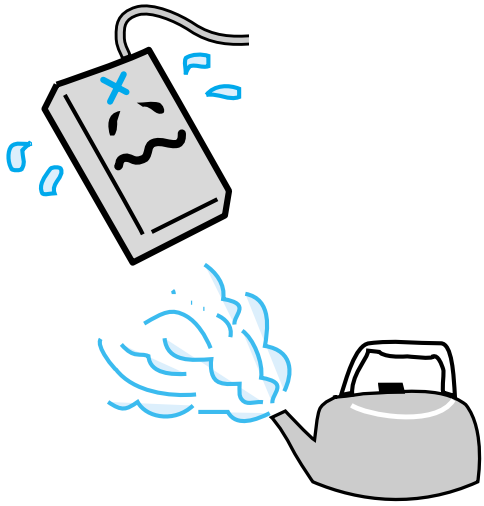
Battery pack's chargeable temperature is between 10°C and 40°C.

Charging outside this range may cause a leakage, heat generation, shorter battery pack life or lower power efficiency.



Do not keep the battery pack in a dusty, humid or hot place.

Otherwise, it will cause a fire or breakage.

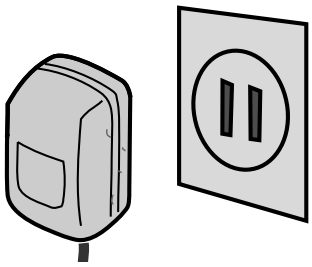


Battery charger and AC adapter handling instructions

⚠ Warning

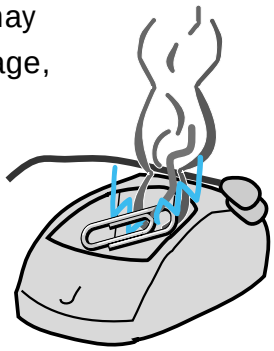
Always use the designated power source.

Connecting to the wrong power source may cause a fire or breakage.



Do not make a short circuit between the charging terminals.

Otherwise, it may cause a breakage, fire or injury.



Do not insert any piece of metal or foreign matter into a crevice on the AC adapter or battery charger.

Otherwise, it could cause a breakage or electric shock.

Do not swing the AC adapter or battery charger by holding the cord.

Otherwise, it may cause a breakage and injury by hitting you or others.

In case of dropping or breaking the battery charger or AC adapter, immediately unplug the AC adapter from the AC outlet.

Otherwise, it may cause an electric shock or breakage. Take it to the dealer promptly.

Do not handle the AC adapter, battery charger or the power plug of the AC adapter with a wet hand.

Otherwise, it may cause an electric shock.

Do not damage the product by forcefully bending or bundling the AC adapter cord.

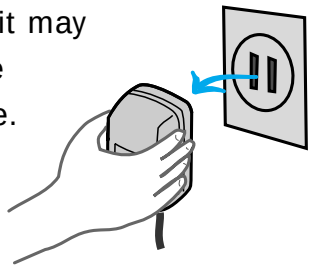
Otherwise, it may cause a breakage, electric shock or fire.

Do not place heavy items on the AC adapter cord. Do not modify it.

Otherwise, it may cause an electric shock or fire.

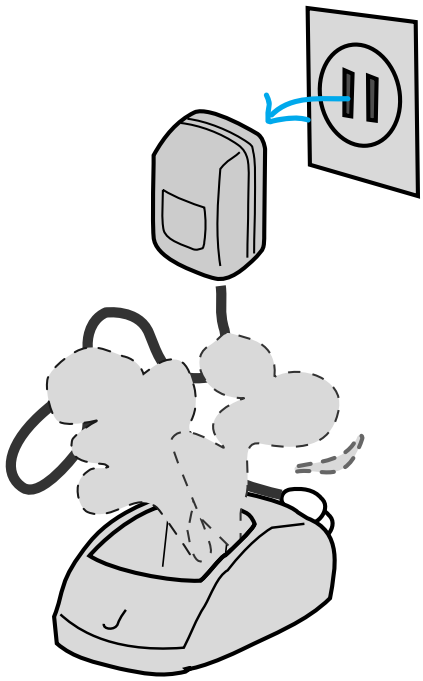
When battery charging is finished, unplug the AC adapter from the AC outlet.

Otherwise, it may cause a fire or breakage.



Should the battery charger or AC adapter emit smoke or abnormal odor, unplug the AC adapter from the AC outlet immediately.

Continued use of the battery charger may cause a fire or electric shock. Repairing by yourself is dangerous so take it to the dealer promptly.

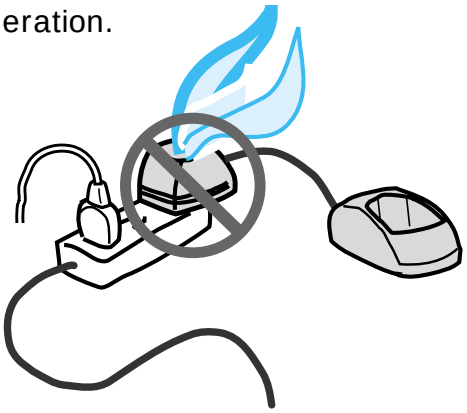


If the battery charger is exposed to water, unplug the AC adapter from the AC outlet immediately.

Otherwise, it may cause a fire, electric shock or smoke emission.

Do not use table tap, divergence point or divergence socket adapter to put many loads on one AC outlet.

Otherwise, it may cause a fire or heat generation.



Unplug AC adapter from AC outlet during electrical storms.

Otherwise, it may cause a fire, electric shock and breakage.

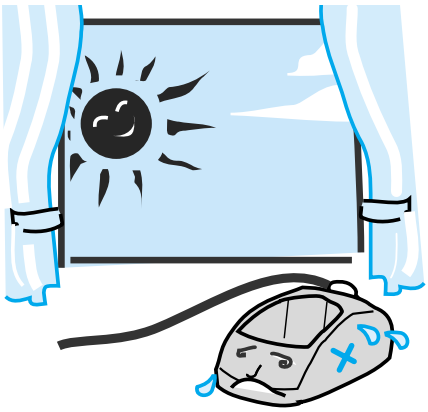
Always use the designated battery charger and AC adapter.

Using other battery chargers or AC adapters may cause a breakage.

⚠ Caution

Do not leave or use in direct sunshine or places with high temperature such as near a fire or inside a car exposed to the sun.

Otherwise it may cause breakage or warping.

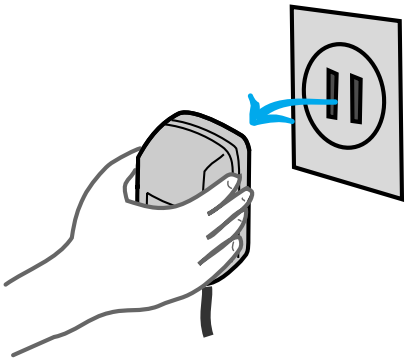


Do not get on the battery charger or AC adapter.

(Especially, be careful with small children.)
Otherwise, it may cause injury by tumbling or breaking.

Always unplug the AC adapter by holding on to the main adapter part.

Pulling the adapter by its cord may cause cord damage, which may result in fire or electric shock.



● CAUTION OF USING

About water and rain

- Do not use it in bathroom or plunge it into water.
- Try to avoid the phone from getting wet by rain drops etc.
- If the phone gets wet, immediately wipe it with a dry cloth.
- Do not set phone on battery charger when it is wet. Always wipe it dry before you charge it.

Operating environment

- You may hear some noise when cars or motor cycles pass by.
- You may hear some noise or your phone call may be cut off if you use it by OA equipment or electrical equipment.
- You may hear some noise or your phone call may be cut off if you use it near a microwave oven because of the electromagnetic waves.
- If you use this phone near the TV or radio, the screen may get messy or you may hear some noise.
- Try to use this phone where it can get strongest radio wave. The usable area can be restricted by the surrounding environment (wall, furniture etc.). See page 25 for how to check the strength of the radio wave.
- Radio waves can be jammed by metal furniture so avoid using it near them.

How to use this phone

- Consider others when you use it in public places where people gather or where it is quiet such as concert halls, restaurants and cinemas.
- This phone is using digital signal so it is unlikely to get wire-tapped. However please be aware of this slim possibility.

● FEATURES OF PERSONAL STATION (PS) UTS-708J

This Personal Station (PS) UTS-708J is a digital portable phone that uses wireless communication.

(1) It can be used to place and receive calls while in the PHS service area.

(2) You can have direct communication as a transceiver between phones.

Please read this instruction manual carefully and treat this phone as two devices in one.

Seamless hand-over

As a first for the PHS, the phone is fitted with two radios. It is no longer easy to be cut off while moving. During a call, the base station with the best conditions is received by reached the another radio which means the hand-over interval is even shorter and a stable clear conversation can be achieved.

Dual Mode

This phone is fitted with a dual mode communication system. The combination of public and transceiver mode enables simultaneous standby condition with the two radios.

3 chord melody

With a 3 octaves range, ring-tones of up to 3 chords are possible.

Hands-free / speaker function

When taking a call, you can talk without needing to hold the phone and it is possible to listen to who your talking with from a speaker. This is useful for when you would like to carry out your business while talking on the phone or while answering message is playing.

Answering message, conversation memo and voice recorder function

When you cannot answer the phone because you are busy working or somewhere like an art museum, you can set the "answering message" function, which answers any calls with an answering message and saves the message. You can easily set the function to record a conversation (conversation memo) or record when in standby condition (voice recorder). You can play the recorded memo whenever you please.

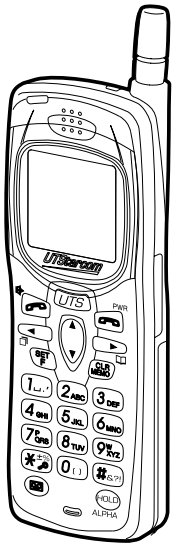
Easy electronic organizer function

Like an electronic organizer, you can input your schedule. This can be displayed in week units. When an appointment time is reached, you are notified by beep tone, melody or vibration. You can specify a telephone number related to the appointment to instantly pop up. You can also store timetables for your regular train and bus service.

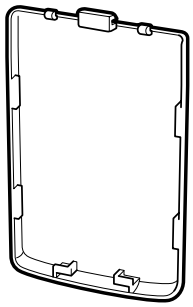
● CHECK PACKAGE CONTENTS

Check package components after opening box.

● Phone UTS-708J (1)

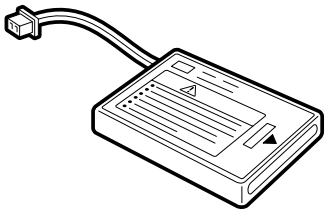


● Battery compartment cover (1)

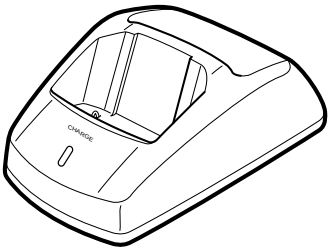


Accessories

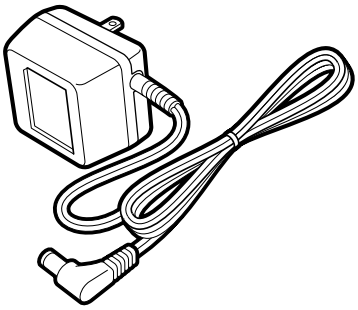
● Battery pack (1)



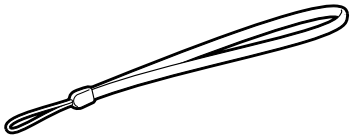
● Battery charger (1)



● AC adapter (1)



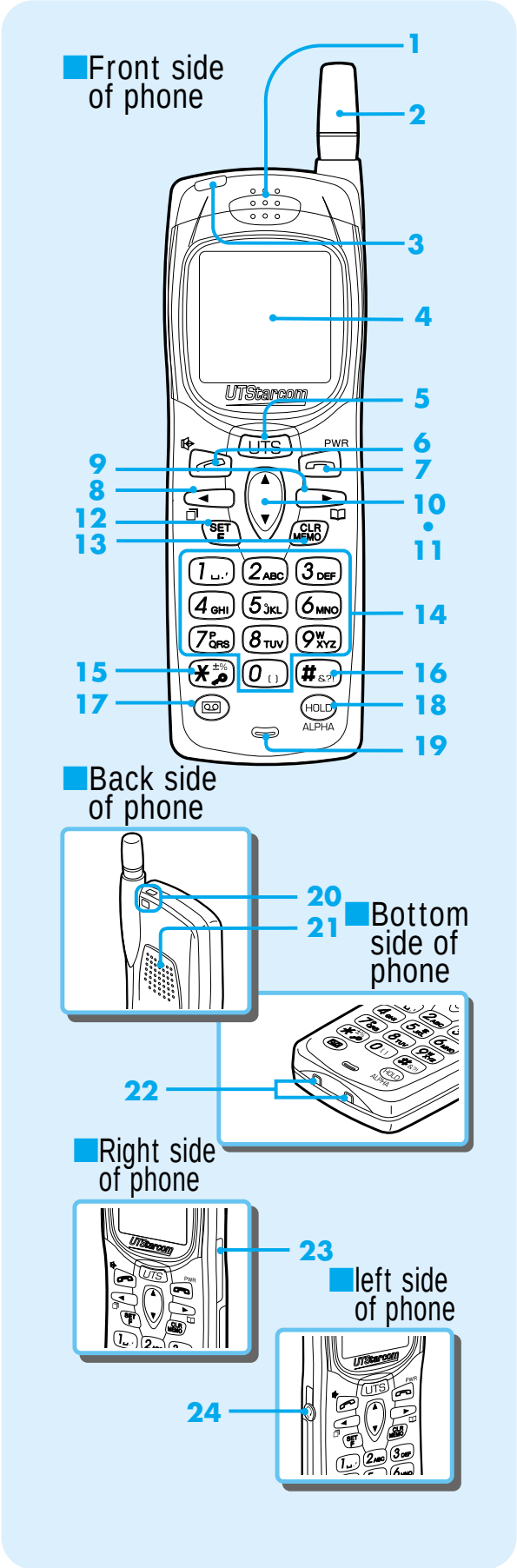
● Hand strap (1)



● Instruction manual (1: this booklet)

MEMO

NAMES AND FUNCTIONS OF COMPONENTS



1 Receiver

2 Antenna

Fully extend the antenna when placing or receiving calls. (Call may be disturbed if antenna is not fully extended.)

3 Incoming light

4 Liquid Crystal Display (LCD)

5 UTS key

Press this key to switch to short message or manner mode. (See page 69 and 89.)

6 key

When placing or receiving calls, press this key when using the hands-free function. (See pages 29, 35 and 39.)

7 PWR key

Press this key when ending a call and turning the phone on and off. Also press to stop a ring-tone. (See pages 24, 29 and 36.)

8 key

Use this key to navigate the cursor to the left when inputting characters or when placing a call by redial etc. (See pages 32 and 42.)

9 key

Use this key to navigate the cursor to the right when inputting characters or when using the phone book function. (See pages 42 and 44.)

10 key

Use this key to scroll up the function menu when changing function settings. (See page 25.)

11 key

Use this key to scroll down the function menu when changing function settings. (See page 25.)

12 SET F key

Press this key when setting the various functions, also press to confirm a selected item. (See page 25.)

13 CLR MEMO key

Press this key when deleting characters or using dial memo. (See pages 31 and 42.)

14 Dial key

Press this key when inputting phone numbers or inputting characters. (See pages 29 and 42.)

15 * key

Press this key when setting key lock. (See page 96.)

16 # key

Press this key when setting dial lock. (See pages 95.)

17 key

Press this key to record and playback. (See pages 38, 58 and 72.)

18 HOLD ALPHA key

Press when holding / releasing a call or when changing the input character type. (See pages 37 and 41.)

19 Microphone

20 Hand strap attachment hole

21 Speaker

22 Battery charging terminals

23 32kbps high speed data connector

24 Earphone / mic. jack

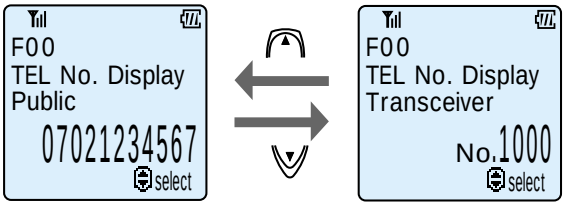
* The function of keys explains only main functions.

DISPLAY OWN PHONE NUMBER AND NUMBER OF EACH OPRATION MODE (F00)

1 Press SET/F 0 0.

Display starts from the number of the current mode.

By using ▲ or ▼ the number of each mode is displayed in order. Modes that are not registered are not displayed.



SETTING FUNCTIONS

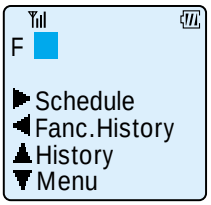
You can call up and set various functions.

Setting by function menu display

1 Press SET/F.

2 Select the function you want to use by using ◄▲▼►.

You can select schedule function (page 76), function history (page 17) and function menu (menu: each type of function can be set)(this page). After selecting, follow the instructions for each function.



Setting by function menu selection (Menu)

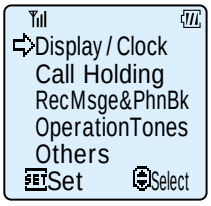
1 Press SET/F.

2 Press ▼.

The function group is displayed. Find the function item of each group from the function menu list (page 18).

3 Press ▼ or ▲ and select the function group you want to set.

Function groups for each item category are displayed in order. This display scrolls when the keys are held down.



4 Select function item by pressing SET/F.

By pressing ▲ or ▼, the list of functions can be displayed in order. If the function you want to set is not there, return to step 3 by pressing ◄ or CLR/MEMO.

5 Press SET/F.

You can set the selected function.

For more information, see the respective sections for setting each function.

Setting by function number direct input

You can call up the function setting by using the dial keys to directly input the function number (page 18 and page 74).

1 Press SET/F.

2 Input function number.

You can set the function by calling up function.

Setting by function history selection

You can select item from the 5 items in function history which were used previously. You can easily select functions that you set frequently.

1 Press SET/F.

2 Press ▲.

3 Select function icon by pressing ▼ or ▲.

4 Press SET/F.

You can set the selected function.

MEMO

- If you have not operated the phone for approximately 25 sec, you can exit from the function setting screen by pressing the PWR key.

FUNCTION MENU LIST

DISPLAY & CLOCK FUNCTION GROUP

TEL No. Display (F00)	P16	Back Light (F65)	P98
Set Clock (F62)	P64	LCD Contrast (F66)	P99
Alarm & Auto OFF (F09)	P65	Rec Owner Name (F63)	P98

CALL & HOLD FUNCTION GROUP

Set Ring-Tone (F11)	P67	Select Hold-Tone (F14)	P69

ANSWER MESSAGE & PHONE BOOK FUNCTION GROUP

Answer Message (F24)	P56	Change Group Name (F92)	P54
Message Response Time (F25)	P61	Clear All Phone Book (F32)	P55
Phone Book Lock (F30)	P96		

OPERATION BEEP FUNCTION GROUP

Key Touch Tone (F80)	P102	Connecting (link) Tone (F82)	P103
Out of Service Area Alarm (F81)	P102	Hand-over Tone (F83)	P103

OTHER FUNCTION GROUP

Change Standby Mode (F51)	P25	Password Set (F71)	P100
Notifying the Other Party (Caller ID Send) (F60)	P97	Set Default Values (F72)	P101
Any Key Answer (F67)	P99	Set Modem (F95)	P88
Transceiver Group(F55)	P104		

Liquid crystal display (LCD)

1

Lights up when placing a call or during communication.

2

STRONG

WEAK

Lights up when you are in service area.

When lights up, the receiving signal is weak and sometimes it is not possible to receive or place calls. Move to a place with a stronger signal.

3

Lights up when in transceiver mode.

4

Lights up when PS is receiving in vibration mode.

5

Lights up when incoming call tone is set to melody.

6

The battery remaining power display has four different levels.

- Fully charged
- Fair
- Low. Not much power left. Battery needs recharging.
- No battery power. A "beep beep beep" sounds while communicating to indicate approximately 1 minute of communication time left.

7 Display area

Display content includes Alphabet and numeric character input, dialed numbers, and other mode states.

The following icons appear when their corresponding functions are set.

- When manner mode is set (page 69)
- Auto power off (page 65)
- Dial lock (page 95)
- Key lock (page 96)
- When received short message is not read out.

Answering Message

This display according to the status and type of the message. See the table on page 20.

- Alarm (page 65)
- Missed call (page 35)

Message display

	Ordinary message	Cancel message
new messages exist	REC	REC *
played messages only		No display

*This also lights up if there are unplayed voice memos or conversation memos.

Guide for battery duration

The times listed below will differ depending on how the batteries are charged, the age of the battery and the environmental conditions.

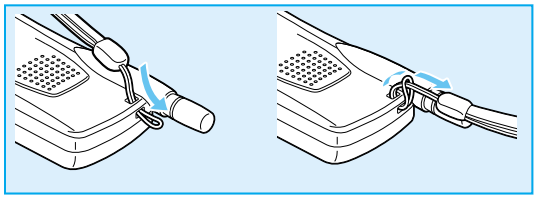
Operation mode	Continual communication time	Standby time
Public	Approximately 6.5 hours	Approximately 550 hours
Transceiver	Approximately 6.5 hours	Approximately 220 hours

MEMO

- In real use, the actual phone usage time will be a combination of standby time and communicating time. If you receive and place many calls and if you move around frequently the battery duration will be shorter.

ATTACHING THE HAND STRAP

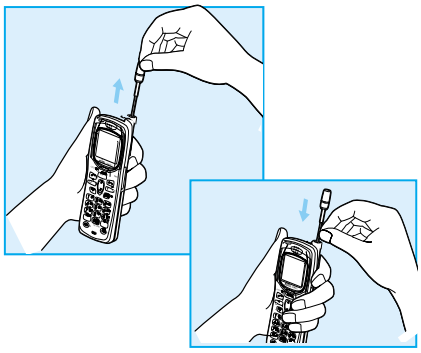
Attach the hand strap as shown in the figure on the right. When using it, ensure that it does not detach from the phone.



USING THE ANTENNA

The UTS-708J can place and receive calls while the antenna is in the storage position, however for better performance, use the phone with the antenna pulled out.

- Pull the antenna out fully until it stops with a click.
- When returning the antenna to the storage position, hold on to the base of the antenna and pull it directly downward. Do not forcefully retract antenna while it is bending. Otherwise, it may be bent or damaged.



⚠Caution

- When on the move, always retract the antenna to the storage position.
- Do not apply excessive force to the antenna. Otherwise, it may break the antenna.

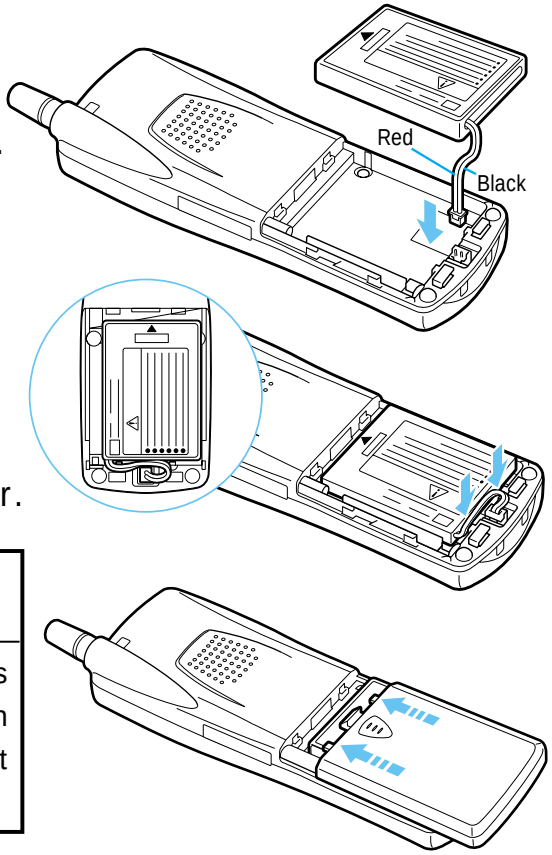
USING THE EARPHONE / MICROPHONE TERMINAL

The earphone / microphone terminal can be used to connect a commercially available earphone / microphone kit or modem connection cable. Please completely furnish the connection cable. See page 87 for how to connect a modem.

CHARGING THE BATTERY PACK

Loading and removing the battery pack

Loading the battery pack



1 Connect the battery pack's connector.
Do not misconnect the connectors direction and put it in firmly.

2 Put battery pack in.
Do not slacken the cord and put it into the guide gap in the compartment firmly.

3 Attach the battery compartment cover.

> **⚠Caution**
>
> Close the cover firmly. If the cover is not closed completely, water can get in or cover can open by vibration and it may cause the battery to fall out.

(1) Place the battery compartment cover parallel to the phone in the position shown in the right figure.
(2) While keeping a finger on the center of the cover, push the bottom part into the phone until you hear a click.
(3) Ensure that there is no gap between the cover and the phone's body.

Removing the battery pack

When replacing the battery pack, you must remove the battery pack.
The battery pack is a consumable. Depending on how frequently it is used, it will last for about one year. When charging the battery pack for more than 4 hours results in only a few minutes of battery power, it is time to replace it with a new battery pack (sold separately). Contact your dealer for purchasing information.

> **⚠Danger**
>
> Always handle the battery pack correctly. Otherwise, it could cause leakage, heat generation or explosion. Always follow these instructions.
> - Do not short circuit the + and - terminals.
> - Do not throw into fire or heat it.
> - Do not disassemble or modify it.

1 If your phone is turned on, turn it off by pressing PWR for more than 2 seconds.
Always turn off the power.

2 Remove the battery compartment cover.
Slide the cover towards the base of the phone and remove by lifting.

3 Remove the battery pack.
When removing the connector, hold the cord in a position near the connector and pull lightly.

4 Attach the new battery pack (page 22), prepare the battery charger (this page) and charge (page 24).
Use the designated battery charger only.

Request for battery pack collection

⚠Warning

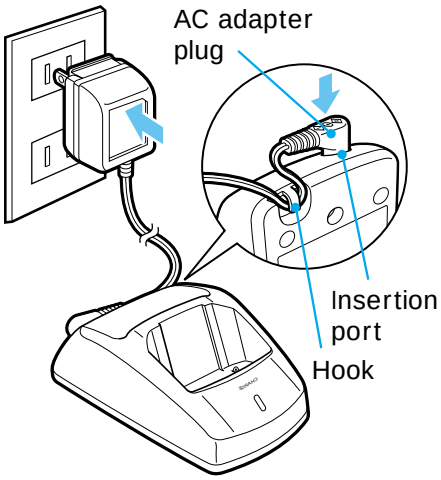
When returning used lithium ion batteries, always insulate the connector parts using tape. Otherwise, the bare connectors could short circuit causing leakage, heat generation and ignition.

The battery pack is a lithium ion battery. For the sake of environment protection, do not discard with other non-combustible rubbish. Please hand the old battery over at the place you purchase the replacement battery.

Preparing the battery charger

1 Plug the battery charger's AC adapter plug into the battery charger's insertion port.
Fix the cord in place by passing through the hook.

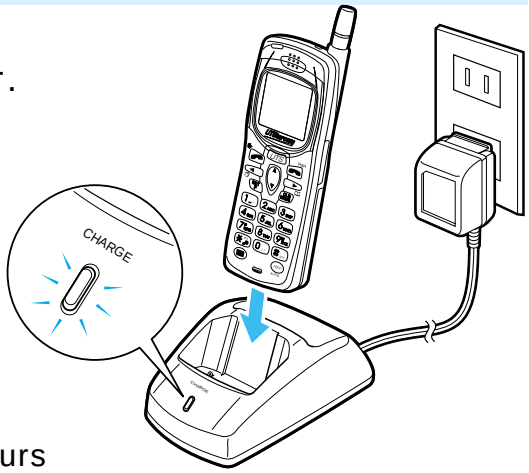
2 Plug the battery charger's AC adapter into the AC outlet.



Charging

Insert the phone into the battery charger.

The charging LED will turn on.



Charging LED display

While charging: Charging LED is red

Charging is completed: Charging LED is green

Charging time

Maximum charging time approximately 4 hours

Keep charging until the charging LED changes from red to green.

MEMO

- You can charge the phone whether the power is on or off.
- It is recommended that you always insert the phone into the battery charger when you are not using it. Excess charging will not cause any harm. (Parts of the phone and battery charger may get warm but this is caused by the charging and does not cause any harm.)
- When using for the first time, and when the battery pack has been replaced, charge until the charging LED turns green. When you purchase the battery pack, it will not be sufficiently charged.
- If after charging is completed, you remove the phone and then immediately return the phone to the battery charger, the charging LED will be red. This is normal.
- Do not insert the phone into the battery charger in wrong direction. Charging will not be possible.
- Phone and battery charger get warm while charging. This is normal.
- When the battery remaining power display becomes , always charge the battery.
- If the charging terminals get dirty, the charging LED may not light up red. Clean the terminals occasionally by wiping with a dry cloth.

Turning power on

Press and hold PWR for more than 2 seconds.

Your phone number appears for about 5 seconds.

Turning power off

Press and hold PWR for more than 2 seconds.

SETTING OPERATION MODES (F51)

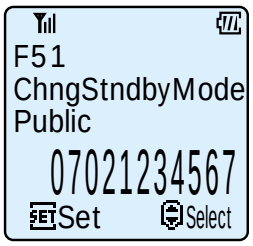
You can use your phone in public mode as a PHS or in transceiver mode as a transceiver.

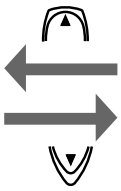
1 When you turn your phone on, the currently set mode appears.

2 Press SET/F 5JKL 1.

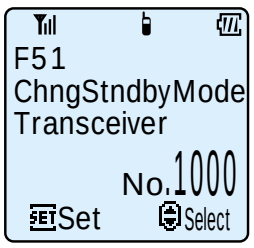
3 Use ▼ or ▲ to select the mode you want.

Public mode





Transceiver mode



4 Press SET/F.

Mode is switched and setting is complete.

MEMO

- When the group transceiver is not registered, the mode for that is not displayed.
- You cannot change modes while communicating.

MEMO

USE AS A PHS PHONE

- BEFORE USING AS A PHS PHONE .. P28
- PLACING A CALL P29
- RECEIVING A CALL P35
- OPERATIONS DURING CALLS P37
- CHARACTER INPUT METHOD P41
- USING PHONE BOOK P43
- USING THE ANSWER MESSAGE FUNCTION .. P56

BEFORE USING AS A PHS PHONE

If you have subscribed to a PHS service and you are in a PHS service area such as outside or in various public spaces, you can place and receive calls between general phones, and other PHS portable phones. (See page 25 for switching to public mode.)

Pull the antenna when communicating.

When communicating, pull the antenna to enjoy best conditions.

Always check LCD for status of phone.

- The signal status display becomes ▼ or ▼.
  When ▼ does not light up, you cannot use the phone because the signal is not reading. Move to a place where the signal status lights up.
- Battery power is remaining. (See page 19.)

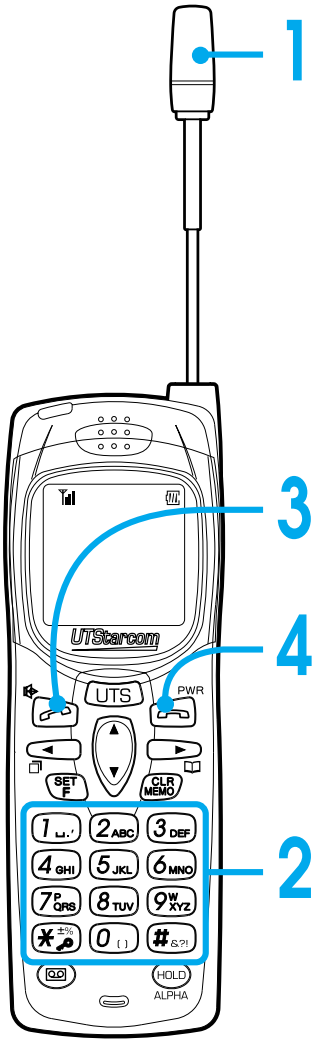
When calling an ordinary phone, always start dialing from the local area code number.

Cautions while communicating

- Even within a PHS service area, places like inside buildings, cars, between the buildings, underground, or in tunnels result in a weaker signal which may result in difficulty hearing or drop outs.
- If you are communicating while moving, the communication may temporarily drop out. This occurs when the network automatically switches (hand-over) from the public base station that the phone was using to a base station with a stronger signal. This does not indicate a fault. A short "per per" noise can be set to occur during a hand-over. (See page 103.)
- If you go outside of a PHS service area while moving, communication is cut off. Just before disconnection, the phone will beep to notify you that you are out of service area. You can stop this beep. (See page 102.)

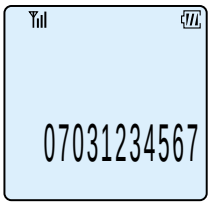
PLACING A CALL

Placing / ending a call



1 Pull out the antenna.

2 Dial the phone number of the party you wish to call. Always include the local area code when dialing. You can enter up to 32 digits but in double-size digit display, you can only display 12 digits at any one time. When 13 or more digits are entered, you can press and hold ▲ to display all digits.



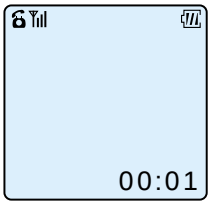
Fixing mistakes

Clear the last digit : Press CLR MEMO.

Clear all : Press and hold down CLR MEMO for more than a second, or press PWR.

3 Press ☎.

☎ lights up and when the recipient answers, you can communicate. The calling time is displayed.



4 Press PWR to terminate your call.

☎ disappears and the call duration is displayed for 3 seconds. Then the phone returns to standby screen.

When line is busy and you cannot get through.

You will hear the busy tone. (Sometimes a display saying the line is busy or an announce saying something like the phone is either switched off or out of the service area.)

MEMO

- You can dial after pressing ☎. If you do this, there will be a 5 second delay after dialing before the call is placed.
- To check a number of 13 or more digits, press and hold down ▲. When you release ▲, it will go back to displaying the last 12 digits.
- The calling time that is displayed is a guide. It may not match your phone bill.
- The dialed phone number is kept in the redial (page 30).
- By pressing ▼, you can enter "■" to split up the phone number so that it is easier to see.

Calling numbers previously placed and received, and referring to dial memo

Your phone automatically remembers the phone numbers to which you dialed or which is from callers whose phones are set to notifying the other party. You can confirm and display the numbers remembered, and call these numbers. You can also register these numbers in phone book (page 44).

Contents of memory

Redial (Dial log)

Remembers the numbers of your last 10 calls (maximum of 22 digits). It will not remember the same numbers repeatedly.

Call memory

Call back memory (Log of answer to incoming calls)

Remembers the numbers (maximum of 22 digits) which are from callers whose phones are set to notifying the other party. It will not remember the same numbers repeatedly. Including call memory, it can remember a maximum of 10 numbers.

Call memory (Log of incoming calls during absence)

When you could not answer the calls which is from the callers whose phones are set to notifying the other party, it can remember the number (maximum of 22 digits) of the caller. It will not remember the same numbers repeatedly (excluding direct mail). Including call back memory, it can remember a maximum of 10 numbers.

Dial memo

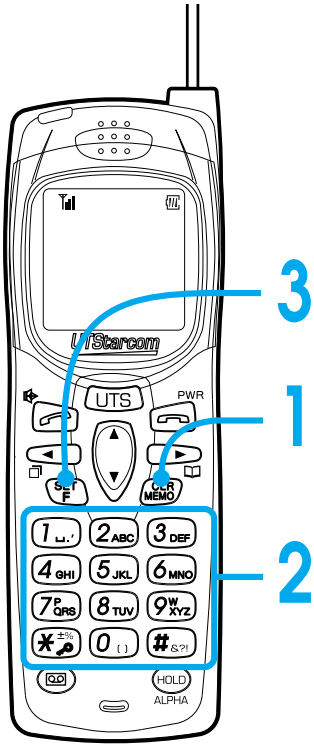
You can take a memo for 2 phone numbers (maximum 22 digits) during a call. See page 31 for how to take memos.

MEMO

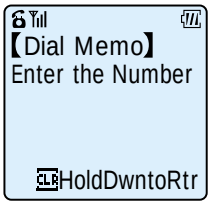
- The redial, call memory, call back memory and dial memo data may be lost if the battery pack is removed.
- The call memory function may not be supported in some regions.

Using dial memo

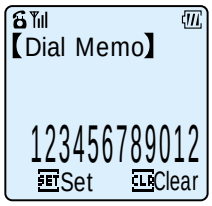
Phone numbers (2 calls, maximum 22 digits) can be memorized during a call. You can place calls by accessing these numbers from the memo.



1 Press (CLR MEMO) during a call.



2 Input the number you want to memorize.
If you make errors, give (CLR MEMO) one quick press, then each time you press (CLR MEMO), the number on the right end will be erased. You can re-input numbers from there.



3 Press (SET F).
The phone beeps to indicate the process is completed and the communicating display will return.

Placing a call by accessing the dial memo

See "Using redial key to place calls" on page 32.

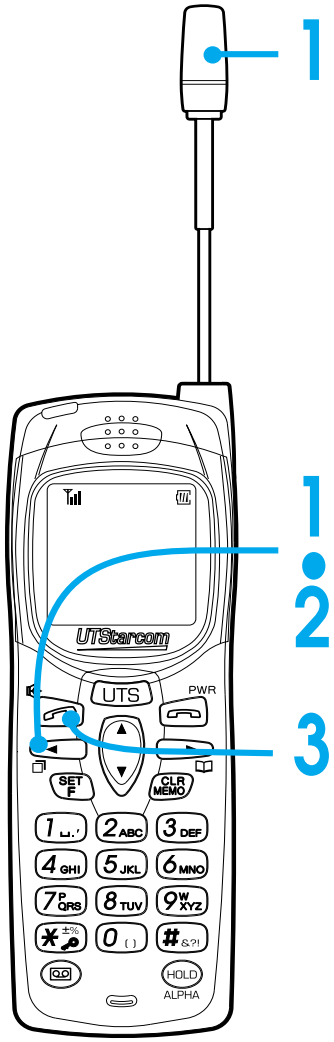
Deleting the dial memo

See "Deleting individual memorized numbers" on page 33.

MEMO

- When 2 numbers are already registered in the memo, the oldest memo is deleted when the new memo is registered. If you want to keep the dial memo, you can register it in phone book (page 44).
- When you wish to cancel the dial memo operation, press and hold (CLR MEMO) for more than 2 seconds.

Using redial key to place calls



1 Press .

Give a quick press to display the number of the party you last called (redial 1).
Press and hold for more than 1 second to display call memory 1.

2 Repeatedly pressing or displays the memory content listed in the order of, redial, call memory, dial memo.

Redial (max 10) → Call memory (max 10) → Dial memo (max 2)

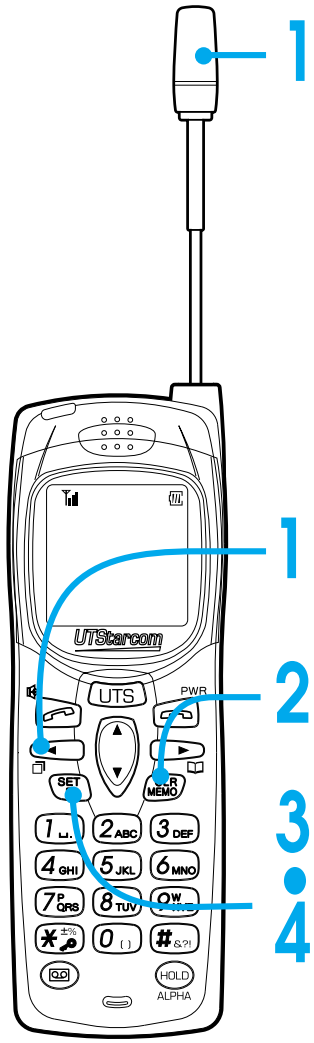
Repeatedly pressing displays memory content in the reverse order.

3 When the phone number of the party you wish to call is displayed, press .
A call will be placed to that party.

MEMO

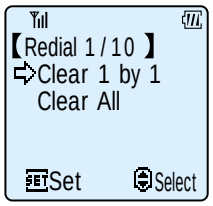
- After a memorized phone number has been displayed once by step 1, you can scroll the display by pressing and holding .
- If the phone number corresponds to a number in phone book, the name of who that number belongs to is displayed.
- Press and hold down to check a number of 13 or more digits. When you release , it will return to 12 digit display.

Deleting individual memorized numbers

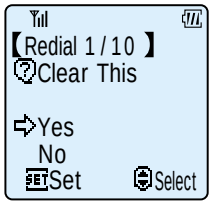


1 Display the phone number you want to delete by repeatedly pressing ◄.
After pressing ◄, you can change the display by using either ▲ or ▼.

2 Press CLR MEMO.
Ensure ⇨ points to "Clear 1 by 1".



3 Press SET F.
Ensure ⇨ points to "Yes".
To cancel deletion, use ▲ or ▼ so that ⇨ points to "No" and press SET F.

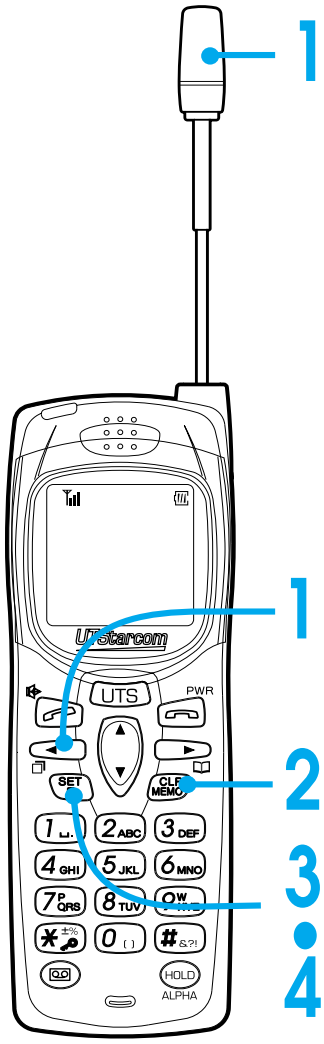


4 Press SET F.
Phone beeps to confirm process and the phone number displayed in step 1 is deleted.

MEMO

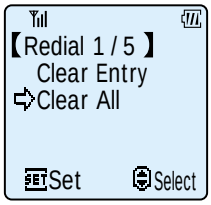
- When the battery pack is removed, the delete operation may not perform correctly.

Deleting all the content of redial, call memory or dial memo

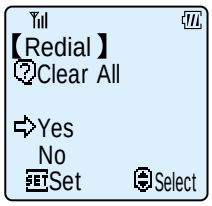


1 Display one of the numbers you want to delete from redial, call memory or dial memo by repeatedly pressing ◄.
After pressing ◄, you can change the display by using either ▲ or ▼.

2 Press CLR MEMO.
Use ▲ or ▼ to make ⇨ point to "Clear All".



3 Press SET F.
Ensure ⇨ points to "Yes".
To cancel clear all, use ▲ or ▼ so that ⇨ points to "No" and press SET F.

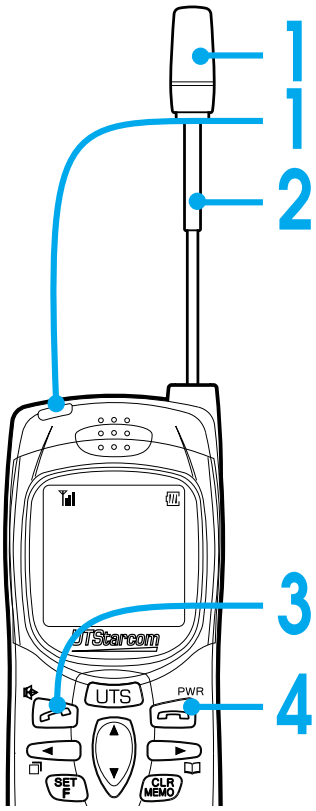


4 Press SET F.
Phone beeps to confirm process and the whole contents of redial, call memory or dial memo that contains the phone number displayed in step 1 is deleted.

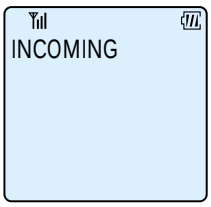
MEMO

- When the battery pack is removed, the delete operation may not perform correctly.

RECEIVING A CALL



1 The incoming tone or vibration activates and the incoming light blinks.

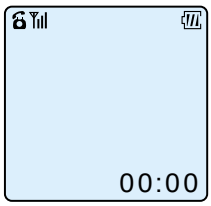


2 Pull the antenna.

3 Press .

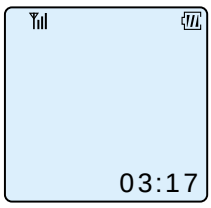
You will now be able to talk to caller.

lights up and the calling time will be displayed.



4 Press PWR to terminate your call.

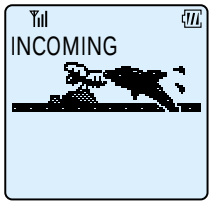
disappears and the calling time will be displayed for 3 seconds, then phone will return to standby screen.



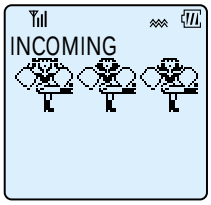
Incoming call display types

You can use "Selecting the ring-tone volume and type" (page 67) to change the incoming call display.

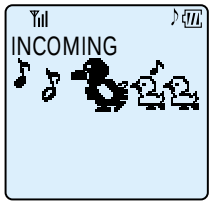
- When beep ring-tone is set



- When vibration is set



- When melody ring-tone is set



If you do not answer

If you do not answer the call, "INCOMING CALL" will be displayed in the right edge of the bottom row. When the phone returns to standby condition, ☎ will be displayed. ☎ disappears when call memory (page 30) is checked.

Note that when you miss a call from a caller whose phone is set to notify the other party, that caller's number is stored in the call memory (page 30). If that caller is registered in your phone book, the callers name is also displayed.

Press any key to remove this display.

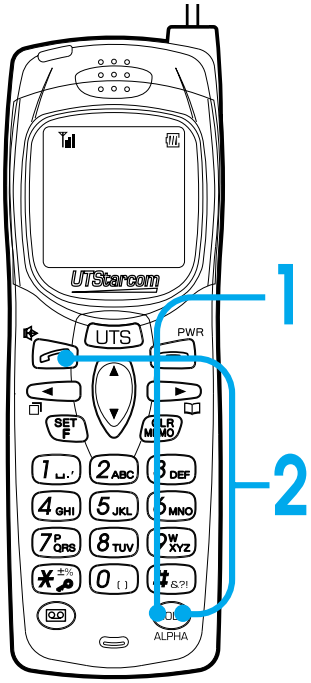
MEMO

- If the caller's phone is set to notify the other party, the caller's phone number will be displayed. Also, if the caller is registered in your phone's phone book, the caller's name will be displayed. Such calls are stored in call memory when they are received (page 30).
- When incoming call is set to vibration, the phone notifies you by vibration.
- When you cannot answer the phone straight away, you can stop the ring-tone by pressing PWR. Also when the phone is vibrating because of an incoming call, you can stop it in the same way.
- When set to vibration, you can still receive calls while charging.
- When your phone is not set to public mode, you cannot receive calls even if (antenna mark) is displayed.
- When a 32kbps high speed data transfer incoming call is not answered, the is displayed instead of the .
- When and are lit up while in standby condition, they may disappear when the battery pack is removed.

OPERATIONS DURING CALLS

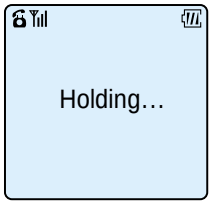
Placing a call on hold

Place a call on hold when you want to temporarily stop the call. While the other party is placed on hold, they cannot hear you. You can select the hold melody from 11 preset melodies (page 70).



1 Press (HOLD ALPHA) during a call.

The set hold melody is played to the caller. [hold icon] blinks.

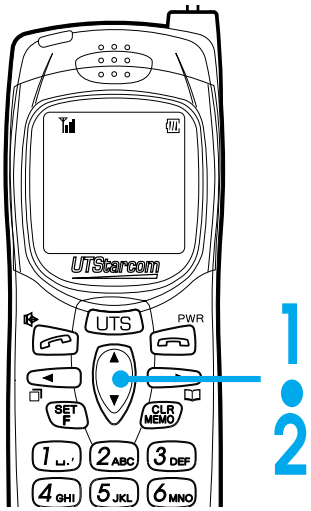


2 Press (HOLD ALPHA) or (⏻) to cancel the hold.

You will now go back to the call.

Adjusting the receiver volume

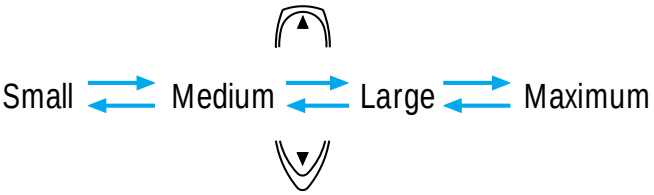
You can adjust the volume of the caller's voice while talking. Volume has 4 levels. When receiver volume is "Maximum", volume will not change when (▲) is pressed. When receiver volume is "Small", volume will not change when (▼) is pressed.



1 Press (▲) or (▼) during a call.

The current setting is displayed.

2 By pressing (▼) or (▲), the receiver volume level switches.



MEMO

- At the time of purchase, the receiver volume is set to "Large".
- Even when the call terminates, the set volume does not change until when it is changed again.

Using the conversation memo function (communication log)

You can record conversation from calls in the conversation memo. The conversation memo can store 3 records, each of 16 seconds.

Recording the conversation memo

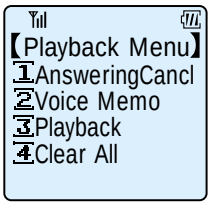
When you press the ⊜ during a call the phone beeps to confirm the operation (not heard by caller) and starts recording the conversation memo.
After 16 seconds pass, the phone beeps to confirm the operation and the recording terminates automatically.
If you press ⊜ while still recording, the recording stops at that point.
When you save the recording, "Conversation memo" is displayed.

Listening to and deleting conversation memos

When a conversation memo is stored, REC lights up to indicate there is an unplayed recording. REC disappears after the conversation memo is played.

1 Press ⊜.

The Record & Playback menu is displayed.



2 Press 3 DEF.

Conversation memo playback starts playing in the order they were recorded. Use ▲ or ▼ to adjust the volume.

3

- To quit midway through playback

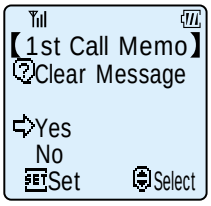
  Press ▶

- To listen to the current conversation memo again from the start

  Press ◀.

4 Select whether or not to delete after playback.

When you wish to delete, ensure the ⇨ points to "Yes" in answer to the question "? Clear Message". To cancel the delete operation, use ▲ or ▼ to point ⇨ to "No".



5 Press SET F.

If you selected "Yes" in step 4, the conversation memo will be deleted.

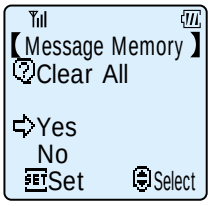
MEMO

- When recording your original answering message (page 56) , there can be two recordings.
- Even when the phone is off and the battery is removed, the content of voice memo is saved.

Clearing all stored conversation memos

1 Press .
The "Playback Menu" is displayed.

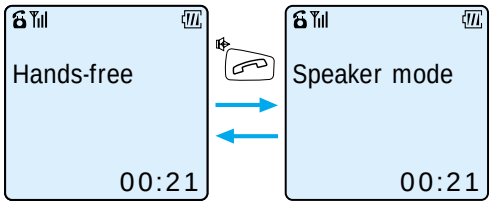
2 Press 4.
Press or to point to "Yes".



3 Press SET/F.
All stored conversation memos will be deleted.

Using the hands-free / speaker function

When you use the hands-free function, you can talk on the phone without holding it.
When you use the speaker function, you can listen to the person you are talking to from a speaker.
Press and hold down [off-hook icon] for more than 2 seconds during a call to activate hands-free mode.
After that, you can switch back and forth between hands-free mode and speaker mode by pressing .



To return to normal phone mode, press and hold down for more than 2 seconds while in hands-free or speaker mode.

MEMO

- When you switch to hands-free / speaker function, the volume of the person you are speaking to can suddenly increase. When setting, keep the receiver away from your ear.
- When using the hands-free / speaker function, the battery duration for continual communication time will be shorter than stated in "Guide for battery duration" (page 20).

Using the Flash function

When you use the flash function, you can catch the another call during communication.

1 Press lightly when you hear the signal sound for the flash function during communication.

You can talk to the another call.

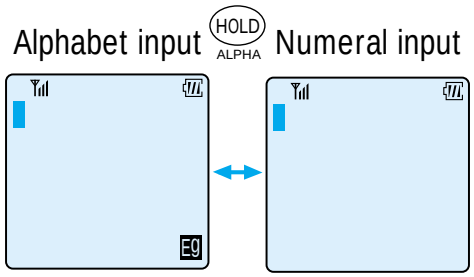
2 Press again if you want to talk to the former call.

● CHARACTER INPUT METHOD

This phone uses character input for phone book, message input and schedule input. Aalphabet and numerals can be input.

Switching input character types

When you press HOLD ALPHA you can switch between alphabet and numeral.
When the character mode is not in character input display, you cannot switch character types.



Character table

You input characters by using the dial keys. As shown in the following table, multiple characters are assigned to 1 button.

Key	Alphabet	Numeral
1 ␣.'	, . _ sp ' " ^ ` ~	1
2 ABC	ABC abc	2
3 DEF	DEF def	3
4 GHI	GHI ghi	4
5 JKL	JKL jkl	5
6 MNO	MNO mno	6
7 PQRS	PQRS pqrs	7
8 TUV	TUV tuv	8
9 WXYZ	WXYZ wxyz	9
0 ( )	( ) < > [ ] { }	0
* ±%	- + * / = % | @	*
# &?!	? ! # $ ¥ & : ;	#
HOLD ALPHA	Switch between alphabet and numeral	
CLR MEMO	Delete character	
▲	Move cursor up	
▼	Move cursor down	
◄	Move cursor left	
►	Move cursor right	

Inputting characters

- Each time you press a key, the displayed character switches.
  2 ABC (A is displayed) -> 2 ABC (B is displayed) -> 2 ABC (C is displayed)
- Display the letter you want to input, then press the key that has the next letter you want. If the letter you want to input next is assigned on the same key, press ► to move the cursor, then input the letter.

Correcting mistakes

Press CLR MEMO : Only the letter on the cursor is deleted.
If there are no letters behind the cursor, the letter in front of the cursor is erased.

Press and hold CLR MEMO for more than 1 second : All characters on that line are erased.

● USING PHONE BOOK

The phone book is very useful for storing phone numbers that you call frequently. You can enter 14 letters for the name and you can store phone numbers with a maximum length of 22 digits. You can register a first phone number and a second phone number in a single phone book memory entry. There are 300 memory entries which are numbered 000 ~ 299 and a total of 600 telephone numbers can be stored.

Grouping entries

You can separate business from friends by categorizing entries into 5 groups. You can change the group name (page 54).

Using marks to categorize phone numbers

You can categorize the entry's phone number so that you know whether it is a home number, PHS, company number, or fax (there are 10 categories,) You can also categorize shops / places with marks.

These categories mean:

= home, = PHS, = mobile phone, = pager, = company, = fax, = store, = club or bar, = restaurant, = casual workplace

Special instructions for keeping stored data

Sometimes the data stored on your phone can be erased because of mistaken operation, static electricity, electromagnetic noise or due to faults or repairs. Always ensure that you keep separate records of all important information.

Incoming call name display function

When a call is received from someone who has their phone set to notifying the other party and that number is stored in your phone's phone book, the stored name and number will appear in the display.

In some regions, it may not be possible to use the incoming call name display function.

Specific incoming call function

When a call is received from someone who has their phone set to notifying the other party, you can identify the caller by selecting the type of ring-tone when the call is received by registering a melody or vibration. See "Selecting the ring-tone volume and type" on page 67 for information on how to set this function. You can use this function while your phone is not set to vibration 1 ~ 3, drive function or manner mode.

Registering a phone book entry

1 Press ▶.

2 Press HOLD/ALPHA.

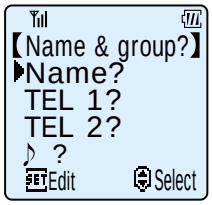
The number of registered entries is displayed and after that, phone book registration mode is activated and the screen displays the select input item screen.

3 Select the item you want to input using ▲ or ▼ and press SET/F.

Enter the content of any of the following items. You can register an entry from any of these items. Only input the items you require and leave others blank.
The input selected item screen appears. Input by following the registration method of each item. After the input of each item is complete, repeat this step 3.
The following shows the items that can be registered and how to register them.

- Name?: Name & group (page 45)
- TEL1?, TEL2?: TEL No. & mark (page 46)
- ♪ ?: Specific incoming ring-tone (page 47)

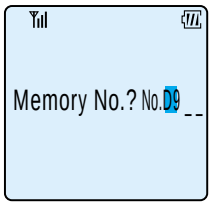
After you have input all the items you require, go to step 4.
Note that if you have not input TEL1 item, you cannot perform the step 4 operation.



4 Select "Registry End" using the ▲ or ▼.

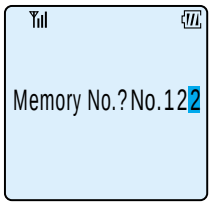
5 Press SET/F.

A memory No. input prompt appears.



6 Enter the memory number (000 ~ 299).

If you wish to register to the smallest vacant memory number, do not enter a number and go to step 7.
If you do not enter a number and press SET/F, the entry will be registered in the smallest vacant memory number after No.010.
If you store numbers that you call frequently in No. 000 ~ 009, you can call them using two touch dialing (page 52) or three touch dialing (page 53).



7 Press SET/F.

The number of registered entries is displayed and after that the display of step 2 returns and you can continue registering.

8 When you have finished registering, press PWR.

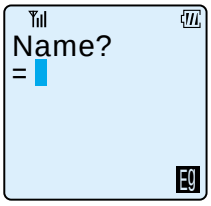
MEMO

- If you enter a entry in phone book that does not contain a name, it becomes group ①.
- When in step 3, you can delete an entry by selecting the item you want deleted and pressing CLR/MEMO.
- If you do not make any key operation for 60 seconds while in register mode, the phone returns to standby condition.
- When you try to register to a memory number that already contains an entry, "⚠ Already Registered" appears. Specify another memory number.
- When you do not want others to view your phone book, set phone book lock (page 96). When this is set, you cannot use the phone book function even when you press ► unless you enter your password number.
- When key lock or dial lock is set, you cannot do this operation.

"Name & group" input method

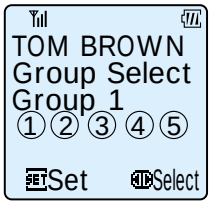
1 Inputting name

You can input a name with a maximum length of 14 characters. See page 41 for the character input mode switching and character input method.



2 Press SET/F.

Select group prompt appears.



3 Press ◄ or ► to display the group you want.

Select from 5 groups, 1 ~ 5.

The selected group name will appear.

4 Press SET/F.

Return to step 3 of "Registering a phone book entry" (page 44).

Inputting "TEL No. & mark"

1 Input the phone number.

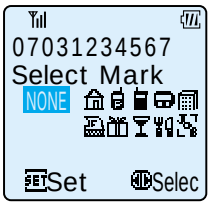
Phone numbers up to 22 digits can be input.

If you wish to confirm phone numbers of more than 13 digits while you are inputting, press and hold ✱. By pressing ▼, you can input hyphens.

When you press ◄, the cursor appears and you can correct numbers you have already entered.

2 Press SET F.

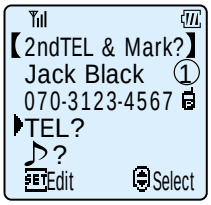
Mark selection prompt appears.



3 Press ◄ or ► to select the mark you wish to use.

When you do not wish a mark, select [none].

4 Press SET F.



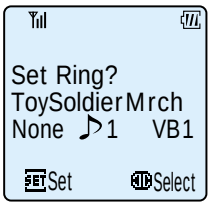
5 Ensure that "TEL2? is selected and press SET F.

6 Perform steps 1 ~ 3 again and set the second phone number and mark.

7 Press SET F.

Phone returns to Step 3 of "Registering a phone book entry" (page 44).

Inputting a "Specific incoming ring-tone"



1 Press ◄ or ► and select the melody you want to use.

When a call is received from a caller whose phone is set to notify other party, the ring-tone (or vibration) set here is activated (page 43).

When you do not wish to register such a ring-tone, select [none].

♪ 1 ~ 11: Melody 1 ~ 11

VIB 1 ~ 3: Vibration 1 ~ 3

2 Press SET F.

The registration complete screen appears.

Registering numbers that are stored in redial, call memory or dial memo

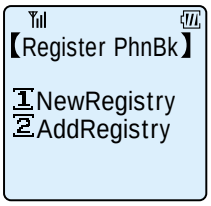
Press ◄ to store a displayed phone number in the phone book.

1 Display the phone number you want to register.

See page 32 for how to display the number.

2 Press ►.

A screen asking if you want to register the number appears. From this screen, you can select to register the number in a new entry (New registration -> 1), or add the number to an existing entry (Add to entry -> 2).



3

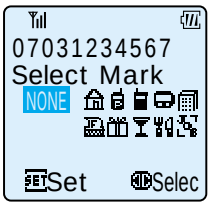
● To make a new registration

① Press 1.

The telephone number is displayed.

② Press SET/F.

The select mark screen appears.



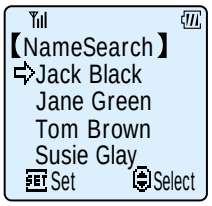
③ Follow the instructions from Step 3 of "Inputting the TEL No. and mark" (page 46).

● To add to a registration

① Press 2.

The Phone Book (search) screen appears.

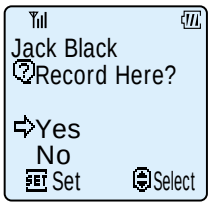
② Follow operations described in "Placing a call by search" (page 49) and display the name of the entry you wish to register the number in. Entries with first and second phone numbers are not displayed.



③ Press SET/F.

"? Record Here" is displayed.

Press either SET/F or ►.



④ Press ▼ or ▲ to select "Yes".

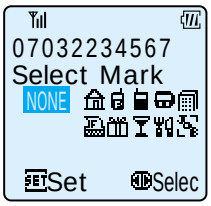
To cancel, select "No" and press SET F. The search screen will return.

⑤ Press SET F.

The phone number displayed in Step 1 is displayed.

⑥ Press SET F.

Follow instructions from Step 3 of "Inputting TEL No. and mark" (page 46).



MEMO

- When in call standby condition, you can register a number in phone book after you input the number. In this case, press ▶ after you have input the number. Then follow the instructions from Step 2.

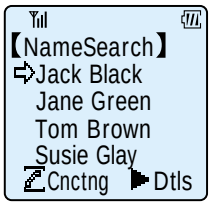
Placing a call by search

Searching by name order

1 Press ▶.

2 Press ▼.

Once pressed, the names (first 12 letters) are displayed in alphabetical order. Continue pressing and the list will scroll. Point ⇨ to the name you want to display.

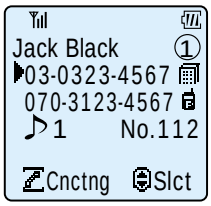


3 Press either SET F or ▶.

The details of entry data such as the phone numbers are displayed.

Use ▲ or ▼ to select the first or second phone number.

Press ◀ to return to the search screen.



4 Press .
A call is placed to the specified phone number.

MEMO

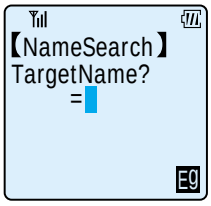
- In step 2, you can place a call by pressing rather than displaying the entry data such as phone numbers. When both the first and second phone numbers are registered, the first number is dialed.

Searching directly by name

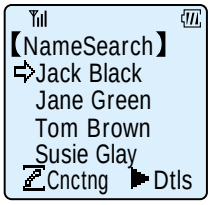
1 Press .

2 Press .

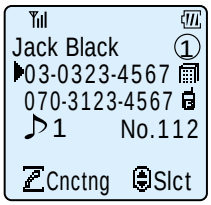
3 Enter the first letter of the name you wish to find.



4 Press .
You can also press or instead of .
Press or to browse the previous or next name.



5 Follow the instructions from Step 3 of "Searching by name order" (page 49).



Searching by group

1 Press .

2 Press .

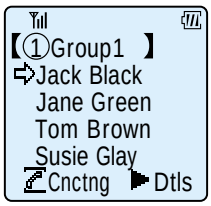
3 Press ◄ or ► to select the group to search.

4 Press SET F.

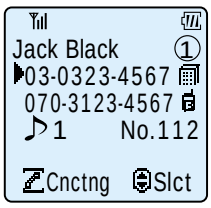
Instead of pressing SET F, you can press ▲ or ▼.

The names registered in the selected group and ⇨ light up.

Press ▲ or ▼ to browse the previous or next names.



5 Follow the instructions from Step 3 of "Searching by name order" (page 49).



Searching by mark

1 Press ►.

2 Press 3 DEF.

3 Press ◄ or ► to select which category mark to search.

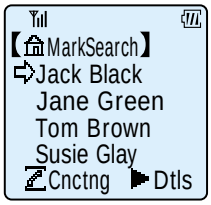
Select "none", when you want to search the names of entries whose phone numbers were stored without a category mark.

4 Press SET F.

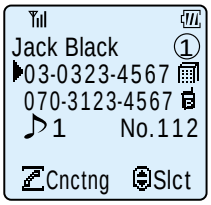
Instead of pressing SET F, you can press ▲ or ▼.

The names of entries whose phone numbers were registered with the specified category mark and ⇨ light up.

Press ▲ or ▼ to browse the previous or next names.



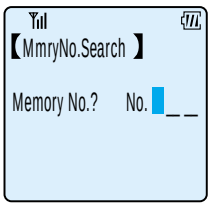
5 Follow the instructions from Step 3 of "Searching by name order" (page 49).



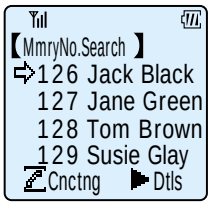
Searching by memory number

1 Press ▶.

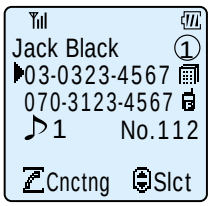
2 Press 4GHI.



3 Input the memory number (3 digits) that you want to search.
The name of the entry that is assigned to the memory number you input and the ⇨ light up.
Press ▲ or ▼ to browse the previous or next registered numbers.



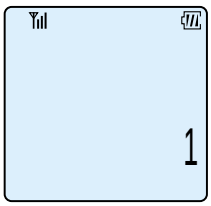
4 Follow the instructions from Step 3 of "Searching by name order" (page 49).



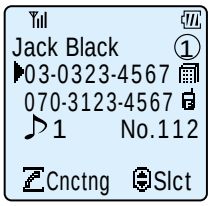
Placing a call using two touch dialing

There is an easy way of placing calls to the first phone numbers assigned to memory numbers 000 ~ 009.

1 Use the dial keys to input the last digit of the memory number (0 ~ 9).



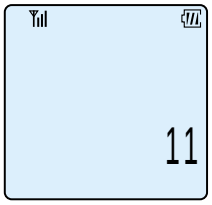
2 Press ☎.
After the details of the entry are displayed, a call is placed to the first phone number.



Placing a call using three touch dialing

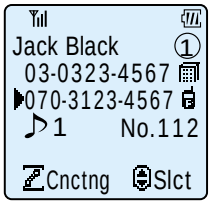
You can easily place a call using three touch dialing for second phone numbers assigned to the memory numbers 000 ~ 009.

1 Use the dial keys to input the last digit of the memory number (0 ~ 9) twice.



2 Press .

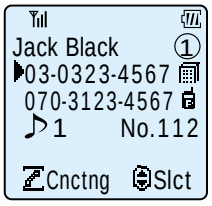
After the entry details are displayed, a call is placed to the second phone number.



Correcting phone book entries

You can correct each item in order.

1 Search according to "Place a call by searching" (page 49) and display the entry details of the name you want to correct.



2 Press HOLD/ALPHA to activate the screen to correct registration. Then follow the instructions from Step 3 of "Registering a phone book entry" (page 44).

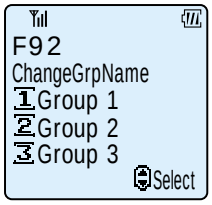
MEMO

- When you select the entry whose contents you want to delete and press CLR/MEMO during Step 3 of "Registering a phone book entry" (page 44), you are asked to confirm the deletion of that entry's contents. Point the ⇨ to "Yes" by pressing ▲ or ▼ and press SET/F to delete the registered contents.
- To cancel a correction, press PWR.

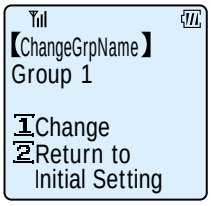
Changing the group name (F92)

You can change the group names in your phone book.
When you purchase your phone, the group names will be "group 1" ~ "group 5"

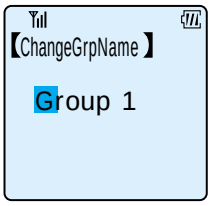
1 Press SET/F 9 2.



2 Press the number (1~ 5) of the group name that you want to change.
To check the group name, you can use ▲ or ▼ to scroll through the groups.



3 Press 1.

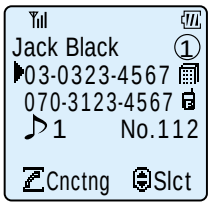


4 Enter the new group name.
See page 41 for how to input numerals and letters and how to change the character size.

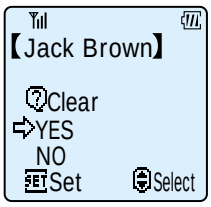
5 Press SET/F.
The phone will beep to confirm the process and the standby screen returns.

Deleting contents of phone book individually

1 Do a search according to "Placing a call by search" (page 49) and display the name that you want to delete.



2 Press CLR/MEMO.
Ensure ⇨ points to "Yes".
When you want to cancel the deletion, point ⇨ to "No".



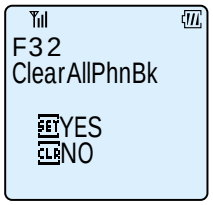
3 Press SET/F.

The phone book entry displayed by step 1 is deleted.
The display returns to the Phone Book (search) screen and you can select another entry to delete.

4 When you have finished deleting individual entries, press PWR.

Deleting all entries in phone book (F32)

1 Press SET/F 3DEF 2ABC.

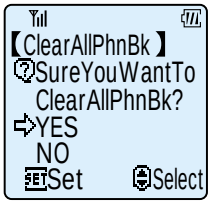


2 Press SET/F.

To cancel the clear all operation, press CLR/MEMO.

3 Point ⇨ to "Yes" using ▼ or ▲.

To cancel the clear all operation, point ⇨ to "No"



4 Press SET/F.

All phone book entries are deleted.

USING THE ANSWER MESSAGE FUNCTION

When you cannot answer your phone because you are busy at work or at the cinema, it is convenient to use the answer message function.
When an incoming call is received an answering message is played and you can receive up to 2 messages (each maximum of 16 seconds) from callers.
When the phone receives the three incoming call, the phone will return to normal call answering mode and it cannot record a message.
You use a create your original message for the answering message.
When an incoming call is received while message mode is set, after the answering message plays, the phone vibrates and starts recording.

Answering message (F24)

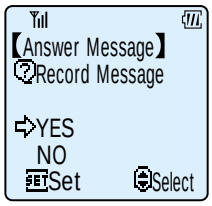
Your original answering message have to be recorded by yourself beforehand.

Recording an original answering message

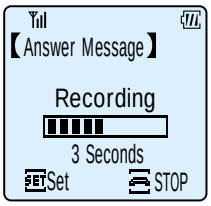
1 Press SET/F 2ABC 4GHI.

2 Press 1.

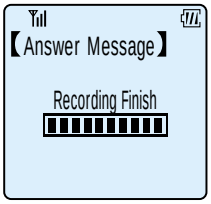
3 Point ⇨ to "Yes" by pressing ▼ or ▲.
If you want to cancel the recording, press ⇨ to "No".



4 Press SET/F and after the phone beeps, record your answering message (maximum of 16 seconds).
When you finish before 16 seconds, press SET/F and go to Step 5.
To cancel the recording, press PWR.



5 The phone beeps and the recording is finished.
Your original answering message has been recorded.



MEMO

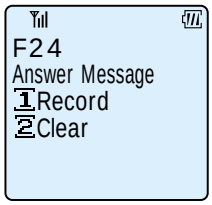
- You cannot record your original answering message when in transceiver mode.
- If an incoming call is received while recording a message, please restart the operation.

Deleting and changing original answering message (F24)

To change an original answering message, first delete the existing message and then record a new original answering message.

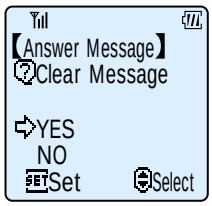
1 Press SET/F 2ABC 4GHI.

2 Press 2ABC.



3 Point ⇨ to "Yes" by pressing ▼ or ▲.

To cancel the deletion, point ⇨ to "No".



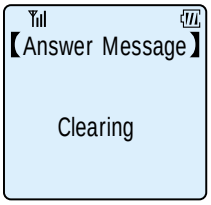
4 Press SET/F.

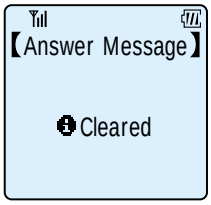
The answering message is deleted and display returns to the first screen.

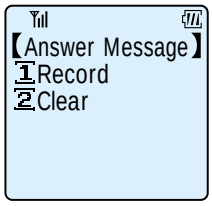
- When exiting after message is deleted

  Press PWR.

- When recording a new answering message







  Press 1 and follow the instructions from Step 3 of "Recording an original answering message" (page 56).

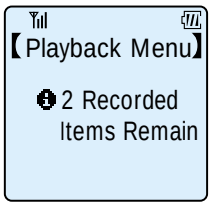
Setting the answering message

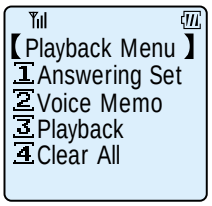
You must record an original answering message before you set the message. See page 56 for how to record it.

Setting by menu

1 Press [Menu].

"[i] * Recorded Items Remain" is displayed and the "Playback Menu" is displayed.

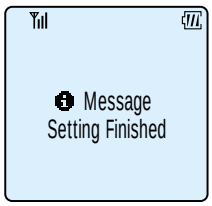


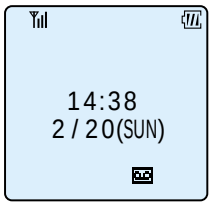


2 Press [1].

After the original answering message plays, the message mark lights up. While the message is playing you can stop it by pressing [PWR].

By doing this, answering message function has been set.





MEMO

- After 2 answering messages are saved and no more messages can be recorded, "[i] Message Memory is full" is displayed and the display returns to the "Playback menu."
- The message settings are kept even when the phone is turned off.
- Even if the battery is removed, the answering message and the contents of the message settings are not deleted.

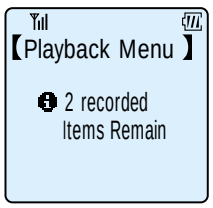
Setting by [Menu]

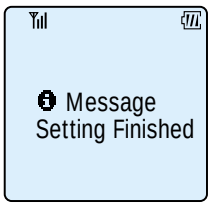
You can set an answering message by just using [Menu].

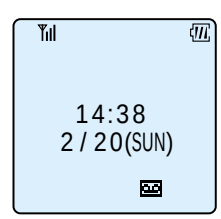
1 Press and hold down [Menu] for more than 2 seconds.

"[i] * Recorded Items Remain" is displayed and after the answering message plays, the message mark lights up.

By doing this, the message function is set. To stop messages while they are playing, press [PWR].





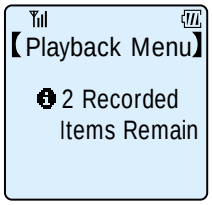


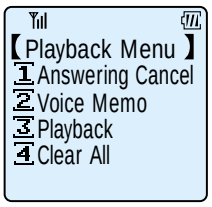
Canceling the answering message

Canceling by menu

1 Press [Menu].

"[i] * Recorded Items Remain" is displayed and the "Record & Playback" menu is displayed.

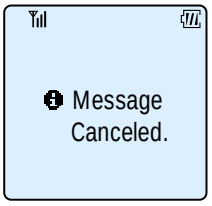




2 Press [1].

The message mark disappears.

By doing this, the answering message function is cancelled.



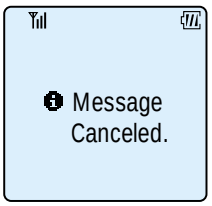
Canceling by [Menu]

You can cancel the answering message just by using [Menu].

1 Press and hold [Menu] for more than 2 seconds.

The message mark disappears.

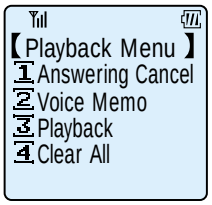
By doing this, the answering message function is cancelled.



Listening to and deleting messages

When messages are stored, a display notices you about this. Even if this display disappears because a key is pressed or an incoming call is received, an icon is displayed while there is an unplayed message. Depending on the existence of a message and answering message setting, the icon that is displayed will differ. See page 20 for details.

1 Press [Menu].



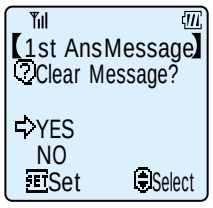
2 Press [3].

The recorded messages start playing in order.

You can adjust the volume by using the [▲] and the [▼]. Press [▶] to stop playing the message and go to Step 3. Press [◀] to replay the message from the start.

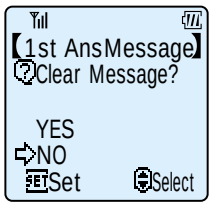
3

- To delete a message after playing it, ensure the ⇨ points to "Yes" and press SET/F.



- To keep a message after playing it, point ⇨ to "No" by using ▼ or ▲.

  To delete the message at a later date, repeat the instructions from Step 1.



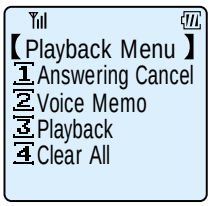
4 When there are more messages, they will be played automatically.
For these messages, repeat Step 3.
When all messages are played the display returns to standby display.

MEMO

- Even when the phone is turned off or when the batteries are removed, the stored messages are kept.

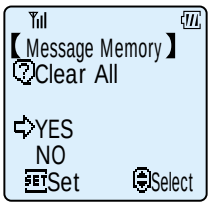
Deleting all the stored left messages

1 Press ☎.
The "Playback Menu" is displayed.

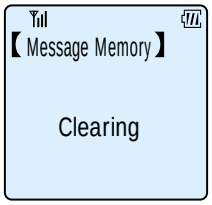


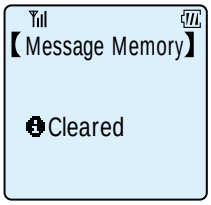
2 Press 4 GHI.

3 Point ⇨ to "Yes" by using ▼ or ▲.
To cancel the clear all operation, point ⇨ to "No".



4 Press SET/F.
All the stored left-messages are deleted.



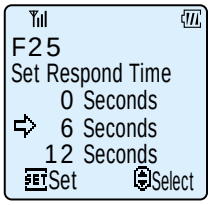


Setting the response time from receiving the incoming call to answering (F25)

You can select the response time from receiving the incoming call to playing the answering message from 3 options, 0 sec, 6 sec or 12 sec.

1 Press SET/F 2ABC 5JKL.

2 Point ⇨ to the time you want to set by using ▼ or ▲.



3 Press SET/F.

MEMO

- When you purchase the phone, it will be set to 6 seconds.

Taking a call when it is received in answering message mode

You can take the call at any time during the interval from when the incoming call ring-tone activates until when the answering message operation finishes.

1 Press ☎.

You can take the call.

Setting answering message when receiving an incoming call

1 Press ⊙ when receiving the incoming call.

The answering message function becomes valid.

An answering message is played to the caller.

MEMO

MORE EFFECTIVE USE

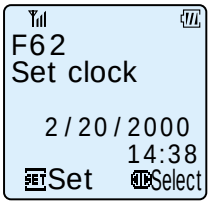
- SETTING THE CLOCK AND ALARM .. P64
- ADJUSTING THE SOUND P67
- USING THE VOICE RECORDER (VOICE MEMO) FUNCTION P72
- LIST OF OPERATIONS THAT CAN BE PERFORMED BY FUNCTION KEY P74

Setting the clock (F62)

Set the date and time that appears in the display.

1 Press SET/F 6MNO 2ABC.

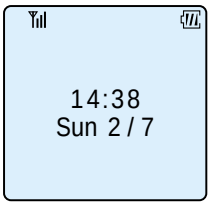
2 Press SET/F .



3 Press 0 ~ 9 to input the year month day and time.

Input the last 2 digits of the western calendar. The day of the week is set automatically from the date.

Enter the time in 24 hour time (00:00 ~ 23:59).



4 Press SET/F.

The phone beeps to confirm the operation and the screen returns to the standby display showing the date and time.

MEMO

- When you purchase this phone, the date and time is not set.
- You must set the correct time in order for call memory to display the correct time.
- When the battery runs out and when it is replaced, the clock returns to the condition at time of purchase.
- When you correct the time because of mistakes etc., press ◄ or ► to make the part you want to change blink and input the correct time or date.
- You are able to enter the year, month, day, and time up till 23:59, 31st December 2098.
- The precision of the clock is about ±60 seconds every 1 month (at 25°C).

Setting the alarm and auto power off (F09)

Setting the alarm

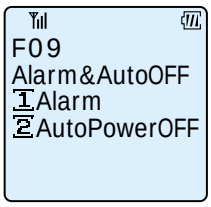
You can set the phone to ring a one minute alarm at a specified time.

When the clock is not set, you cannot set the alarm.

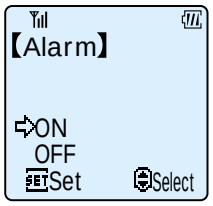
If the set time arrives during a call, the phone rings an alarm sound from the receiver.

1 Press SET/F 0 9.

2 Press 1.



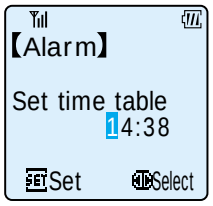
3 Point ⇨ to "On" using ▼ or ▲.



4 Press SET/F.

5 Input the alarm time using 0 ~ 9.

If you make a mistake,
use ◄ or ► to move the cursor to the number you want to change and input the correct number.



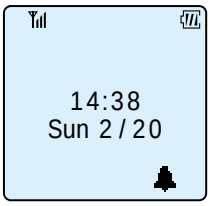
6 Press SET/F.

A screen appears for you to select whether to have the alarm ring only once or at that time every day.

7 Press either 1 or 2 to select either "1 1 Time Only" or "2 Every day".

The phone will beep to confirm the operation.

The display returns to the standby display. 🔔 appears on the display (page 19).



To cancel the alarm,
point ⇨ to "OFF" in Step 3 and press SET/F.

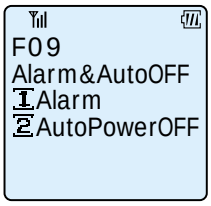
Setting the auto power off

You can set the phone to turn itself off automatically at a specified time.

When the clock has not been set, you cannot set this function. If the set time arrives while you are taking a call, the phone will turn itself off when you end the call.

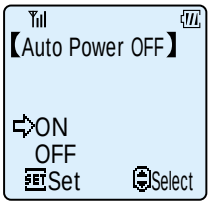
1 Press SET/F 0 9.

2 Press 2.



3 Point ⇨ to "ON" using ▼ or ▲.

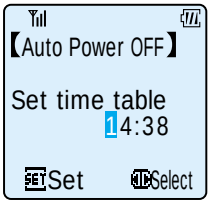
4 Press SET/F.



5 Input the time that you want the phone to turn off by using 0 ~ 9.

If you make a mistake,

move the cursor to the number that you want to change and input the correct number.



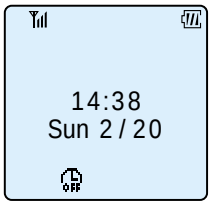
6 Press SET/F.

A screen appears to ask whether you want the phone to turn itself off once only or at that time every day.

7 Press 1 or 2 to select "1 1 Time Only" or "2 Every day".

The phone beeps to confirm the operation.

The display returns to the standby screen and appears in the display (page 19).



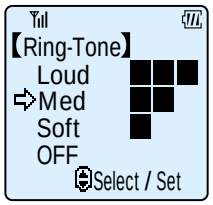
To cancel auto power off

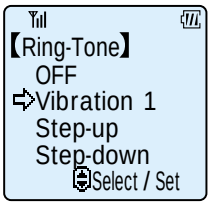
Point ⇨ to "OFF" in Step 3 and press SET/F.

● ADJUSTING THE SOUND

Selecting the ring-tone volume and type

To adjust the ring-tone volume and type, press and hold ▲ or ▼ for more than 1 second while in standby condition.
While call volume is set to "Loud" you cannot scroll by pressing ▲.
Also, when volume is set to "Step-down", you cannot scroll by pressing ▼.





Step-down ⇄ step up ⇄ vibration (1 ~ 3) ⇄ OFF ⇄ Soft ⇄ Med ⇄ Loud

Only one vibration selection is displayed (see MEMO).

MEMO

- Only one vibration selection set by "Selecting the incoming call notification method F11" is displayed. The vibration selections are as follows.
  "Vibration 1": Vibration only
  "Vibration 2": Vibration - short sound
  "Vibration 3": Vibration - ring-tone sound
- When in transceiver mode, you can only use "Vibration 1".
- You cannot use "Step-up" or "Step-down" while in transceiver mode.

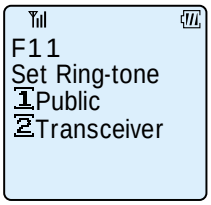
Selecting the incoming call notification method (F11)

For each mode, you can select the incoming call notification method from 10 types of ring-tone, 11 melodies or 3 types of vibration notification. The volume and type are selected from 6 options (including OFF).

Selecting the ring-tone or vibration

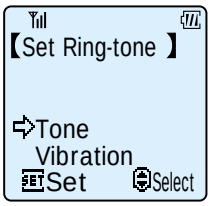
1 Press SET/F 1 1.

2 Select which mode to set by using 1 ~ 2ABC.
You cannot set modes that are not assigned to a number.



3 Press ▲ or ▼ to select "Tone" or "Vibration".

4 Press SET/F.
The screen to select the ring-tone or vibration appears.



5 Switch between options by pressing ▲ or ▼.

As you switch between options, the phone rings the ring-tone or melody. If you selected "Vibration" in Step 3, the phone vibrates as you switch between options.

Beep 1 ~ 10	: Ring-tone
♪ Melody 1 ~ 11	: Melody numbers are shown in the table on page 70.
Vibration only	: Phone vibrates only
Vibration - beep	: After 20 seconds of vibration, the phone makes a "beep beep beep" sound once.
Vibration - ring-tone	: After 10 seconds of vibration, the set ring-tone rings.

6 Press SET/F.

The display changes to the screen to set the ring-tone setting. If you selected "Vibration only" or "Vibration - beep" then the setting is complete and the display changes to the standby screen.

7 Set the ring-tone volume by using ▲ or ▼.

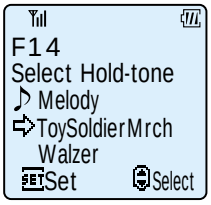
If you selected "Vibration - ring-tone", you cannot select "Step-up" or "Step-down".

8 Press SET/F.

The phone beeps to confirm the operation.

Selecting the hold-tone (F14)

You can select one of the 11 preset melodies.



1 Press SET/F 1 4GHI.

The current settings are displayed.

2 Switch between options using ▼ or ▲.

When you switch between options, the selected melody rings.

♪ Melody 1 ~ 11 : Melody numbers are the table on page 70.

3 Press SET/F.

The phone beeps to confirm the operation.

MEMO

- In transceiver mode, you cannot set a hold-tone.
- When you purchase the phone, Melody 1 is set.

Setting and canceling manner mode

If you press manner mode, the ring-tone is set to vibration, key touch tones etc. are disabled and all sounds are disabled. This is a convenient function as it allows you to quickly switch to manner mode when you do not want your phone to make a noise because you are in an art museum etc.

1 When in the standby condition, press and hold UTS for more than 2 seconds.

Manner mode is set and appears in the display.

To cancel,

Perform the same operation as in Step 1 while in the standby condition.

Manner mode is cancelled and disappears.

MEMO

- The setting of "Selecting ring-tone type" is not changed by setting / canceling manner mode.
- If you try selecting the ring-tone volume or type or selecting the ring-tone notification method etc. when manner mode is set, "Manner Mode set" will be displayed and you will not be able to make settings.

List of ring-tone melody numbers

You can set the phone to notify you of incoming calls by playing a melody. The phone can ring melodies with 3 chords.

Melody table

When you purchase this phone, the following 11 melodies are registered.

1	♪ Toy Soldier Mrch	7	♪ E.K Nacht musik
2	♪ Walzer	8	♪ Hallelujah
3	♪ Turkish March	9	♪ Spring(The From Seasons)
4	♪ The New World	10	♪ The Entertainer
5	♪ Carmen	11	♪ Radetzky March
6	♪ Hungarian Dance		

MEMO

USING THE VOICE RECORDER (VOICE MEMO) FUNCTION

When the phone is in standby condition, you can record 3 voice memos (each a maximum of 16 sec).

Recording a voice memo

1 Press .
The "Playback Menu" appears.

2 Press 3DEF.
The screen to confirm the "Voice Memo" recording appears.

3 Point to "YES" by pressing or .

4 Press SET F.
The phone beeps and the voice recorder starts recording a voice memo.
When 16 seconds pass, the recorder stops automatically.
To quit at any time, press SET F.
Press PWR to stop the recorder.

Listening to and deleting a voice memo

When along with a voice memo, a conversation memo or a left message is recorded, they can be played one after the other.

1 Press .
The "Playback Menu" appears.

2 Press 3DEF.
The voice memos start to play in the order they were recorded.
Use or to adjust the volume.

3
- To stop playback at any time, press .
- While listening to voice memos, you can listen to it again from the start by pressing .

4 After the message has finished playing, select whether or not to delete the recording.
Ensure points to "YES" in answer to the question "? Clear Message".
If you want to stop the delete operation, point to "NO" by using or .

5 Press SET/F.

The voice memo is deleted.

MEMO

- When you record an original answering message (page 56), this uses up 2 recording spaces.
- Even when the phone is turned off or when the battery is removed, the content of voice memos are saved.

Clearing all saved voice memos / conversation memos

1 Press ⊙.

The "Playback Menu" is displayed.

2 Press 4 GHI.

3 Point ⇨ to "YES" by pressing ▲ or ▼.

4 Press SET/F.

All the saved voice memos are deleted.

LIST OF OPERATIONS THAT CAN BE PERFORMED BY FUNCTION KEY

List of various functions

Function number	Function	Modes that support setting		Default settings	Page
		Public	Transceiver		
F00	TEL No. Display	Yes	Yes	–	16
F09	Alarm & Auto OFF	Yes	Yes	Off	65
F11	Set Ring-Tone	Yes	Yes	BEEP1, volume = medium	67
F14	Select Hold-Tone	Yes	No	Toy Soldier Mrch	69
F24	Answer Message	Yes	No	–	56
F25	Message Response Time	Yes	No	6 seconds	61
F30	Phone Book Lock	Yes	Yes	–	96
F32	Clear All Phone Book	Yes	Yes	–	55
F51	Set Standby Mode (change standby mode)	Yes	Yes	–	25
F55	Transceiver Group	Yes	Yes	–	104
F60	Notifying the other party (caller ID Send)	Yes	No	On	97
F62	Set Clock	Yes	Yes	00:00 on 00/00, 2000	64
F63	Rec Owner Name	Yes	Yes	–	98
F65	Back light	Yes	Yes	On, 15 seconds	98
F66	LCD contrast	Yes	Yes	–	99
F67	Any key answer	Yes	Yes	Off	99
F71	Set Password	Yes	Yes	–	100
F72	Set Default Values	Yes	Yes	–	101
F80	Key Touch Tone	Yes	Yes	On	102
F81	Out of Service Area Alarm	Yes	Yes	On	102
F82	Connecting (link) Tone	Yes	Yes	Off	103
F83	Hand-over Tone	Yes	No	Off	103
F92	Change Group Name	Yes	Yes	–	54
F95	Set Modem	Yes	No	Off	88

Yes: You can set. No: You cannot set.

MEMO

- If you do not press a key during an operation for more than 25 seconds, the registration will become invalid. In that case, start the operation again from the beginning.

USING THE SCHEDULE FUNCTION

- USING THE SCHEDULE FUNCTION P76

USING THE SCHEDULE FUNCTION

You can use the phone's "Schedule" function to register your already decided appointments such as dates and meetings. By registering your appointments in a schedule, these appointments will appear in the display at a time you specify and you will be notified by an alarm-tone (ring-tone, melody or vibration). Moreover, the schedule function allows you to associate phone book data to scheduled appointments so that phone numbers can also be displayed.
A single scheduled appointment can be a maximum of 48 characters. The schedule can hold a maximum of 100 appointments.

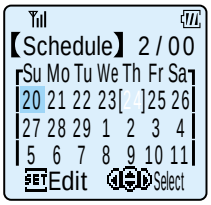
Registering a schedule

You can display a calendar and register a schedule on a day and time of your choice. You can also register routine weekly appointments by specifying a day of the week rather than a specific date.
Before schedule registration, ensure that "Set Clock" (F62) is set.

1 Press SET/F.

2 Press ▶.

A three-week calendar showing the current week, next week and the week after that is displayed.



3 Select a date or weekday to input the schedule

Select a weekday by using ▲ or ▼ or select a date by using ◀ or ▶.

● Inputting by date specification

Select the date you want to input by pressing ◀▲▼▶.

You can select from the range 6 weeks prior to current ~ 12/31, 2098.

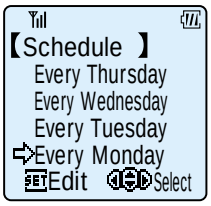
● Inputting by weekday specification

Select the weekday or schedule you want to input by pressing ▲ 7 or more times.

A weekday pattern is displayed to enable you to select the weekday. You can select from the following 11 patterns.

"Every Monday" ~ "Every Sunday", "Mon to Sat", "Mon to Fri", "Sat and Sun" and "Past Schedule"

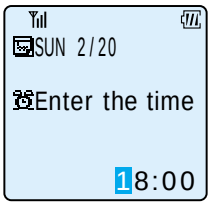
When you press ▼ in the "Every Monday" condition, the screen will change to a calendar display.



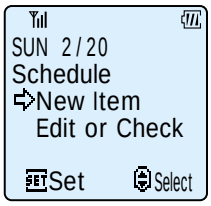
4 Press SET F.

If you are adding a new schedule on a date registered for an existing schedule, select "New Item Edit or Check" by using ▼ or ▲ and press SET F.

When inputting the first schedule for this date



When a schedule has already been input on this date



5 Input the schedule time.

Move the cursor to the numerals of the time by using ◄ or ► and change the value by using ▼ or ▲. You can also input by using dial keys.

6 Press SET F.

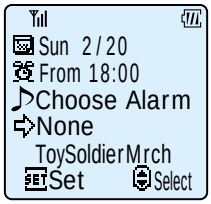
7 Input the appointment.

See page 40 for instructions on inputting characters and switching between input modes.

8 Press SET F.

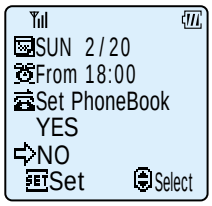
9 Select the alarm-tone by using ▼ or ▲.

If you select "None", the appointment will not be displayed and an alarm will not ring. The schedule will be set only.



10 Press SET F.

11 Point ⇨ to "Set" or "Skip" by pressing ▼ or ▲.



12 Press SET F.

If "YES" is selected, follow the instructions of "Placing a call by search" (page 49) and select the phone book entry that you want to associate with this schedule.

13 Press SET/F.

The phone will beep to confirm the operation, the schedule will be registered and the display will return to the screen of Step 2 enabling you to continue registering your schedule. Date and weekdays that have registered schedules will have an inverted appearance.

14 To exit from registering, press PWR.

When the specified time arrives

When the specified time arrives, the alarm-tone set when the schedule was registered will ring and the appointment will appear in the display. If the schedule was associated with a phone book entry, the name registered in the phone book entry will appear after "☎". You can stop the alarm-tone by pressing any key. If you leave it, the alarm will stop ringing after one minute.

To return to the standby display

1 Press PWR.

The display switches to the screen to save / clear the appointment.

2 Point ⇨ to either "Clear" or "Do not clear" by pressing ▼ or ▲.

3 Press SET/F.

Display returns to the standby screen. If you deleted the appointment, "Schedule Clear Finished" will be displayed and then the display will return to the standby screen.

When the schedule was associated with a phone book entry

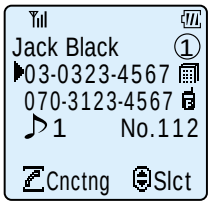
1 When the alarm stops, press ☎.

The associated phone number is displayed.

2 Press ☎ once again.

A call is placed to the displayed phone number.

If 2 numbers are registered in the phone book entry, you can select which number to call by using ▲ or ▼.



MEMO

- If vibration 1 or manner mode is set, the display only will appear and the alarm will not ring.
- If the volume setting for incoming calls is set to OFF in "Ring-Tone" of "Selecting the incoming call notification method (F11)", the display only will appear and the alarm will not ring.
- If the schedule time arrives while taking a call or while the phone is switched off, notification will be displayed after the time that was set when the appointment was registered. (Sometimes appointments that have weekday specification are not displayed.) Display may also be delayed when multiple schedules and alarms are registered for the same time or for times just before or after.

Confirming or revising the registered content of a schedule

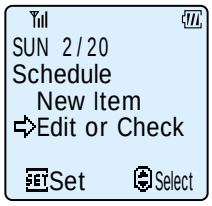
You can confirm the content of a registered schedule and you can immediately revise it if necessary. You can revise in the order of date, time, appointment, alarm-tone, and phone book association.

1 Press SET/F.

2 Press ▶.

3 Select the date on which the schedule you want to revise is registered and press SET/F.

4 Point ⇨ to "Edit or Check" by using ▼ or ▲.



5 Press SET/F.

The selected schedule appears. If the appointment details continues off the screen, display the details by using ▲ or ▼ to scroll.
If there are multiple schedules on the same day or if you are searching for a schedule before or after that day, use ◀ or ▶ to select.
If you only want to confirm the registration and do not want to revise the content, go to Step 11.

6 Press HOLD/ALPHA.

The western calendar will blink.

7 Press ◀ or ▶ to make the year, month or day that you want to change blink and revise the date.

Press ▲ or ▼ to increase or decrease the numeric value. If there is no need for revision, go to Step 11.

8 Press SET/F.

You are now able to revise the time.

9 Revise by following the instructions from Step 5 ~ 11 of "Registering a schedule".

10 Press SET/F.

The calendar appears and the revision is complete. If you need to confirm or revise a separate schedule, repeat these instructions from Step 3.

11 Press PWR when you have completely finished confirming or revising schedules.

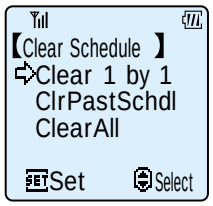
Deleting the registered content of schedules individually

1 Follow the instructions from Step 1 ~ 5 of "Confirming or revising the registered content of a schedule" (Page 79).

Display the schedule you want to delete.

2 Press CLR/MEMO.

3 Point ⇨ to "Clear 1 by 1" by pressing ▼ or ▲.



4 Press SET/F.

5 Point ⇨ to "Clear" by using ▼ or ▲.

6 Press SET/F.

The schedule that you displayed in Step 1 is deleted. The display will return to the calendar display screen and you can continue deleting schedules.

7 When you have finished deleting, press PWR.

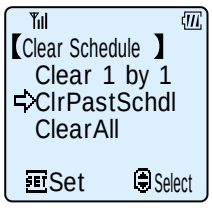
Confirming or deleting old schedules (6 or more weeks old)

1. Press SET/F.
2. Press ▶.
3. Press ▲ several times until "Past schedule" is displayed.
4. Press SET/F.
   The past schedules will be displayed in the order of most recent.
5. Select the schedule that you want to confirm or delete by pressing ◀ or ▶.
   The schedule that you selected is displayed. If you only want to confirm and do not need to delete the schedule, go to Step 11.
6. Press CLR/MEMO.
7. Point ⇨ to "Clear 1 by 1" by using ▼ or ▲.
8. Press SET/F.
9. Point ⇨ to "Clear" by using ▼ or ▲.
10. Press SET/F.
    The schedule that you selected in Step 5 is deleted. (The schedule will not be deleted if you just confirm the schedule.)
    The display will return to the calendar display screen and you can continue to delete other schedules.
11. When you want to exit confirming or deleting schedules, press PWR.

Deleting all the registered schedules

You can delete all past schedules and upcoming schedules together in one operation.

1. Press SET/F.
2. Press ▶.
3. Move the cursor to the date of the schedule by using ◀▲▼▶.
4. Press SET/F.
5. Point ⇨ to "Edit or Check" by using ▼ or ▲.
6. Press SET/F.
7. Press CLR/MEMO.
8. Point ⇨ to "ClrPastSchdl" (delete schedules that are more than 6 weeks old) or "Clear All".



9. Press SET/F.
10. Point ⇨ to "YES" by using ▼ or ▲.
11. Press SET/F.
12. Point ⇨ to "YES".
13. Press SET/F.
    The phone beeps to confirm the operation and all the past schedules or all the registered schedules are deleted.

To cancel

Point ⇨ to "NO" in Step 10 and press SET/F in Step 11.
Alternatively, point ⇨ to "NO" in Step 12 and press SET/F in Step 13.

OTHERS

- USING THE 32KBPS HIGH SPEED DATA TRANSFER SERVICE .. P84
- USING MODEM FOR DATA/FAX COMMUNICATION .. P87
- USING THE SHORT MESSAGE SERVICE .. P89
- SETTING OTHER FUNCTIONS P95
- USING PHONE AS A TRANSCEIVER .. P104

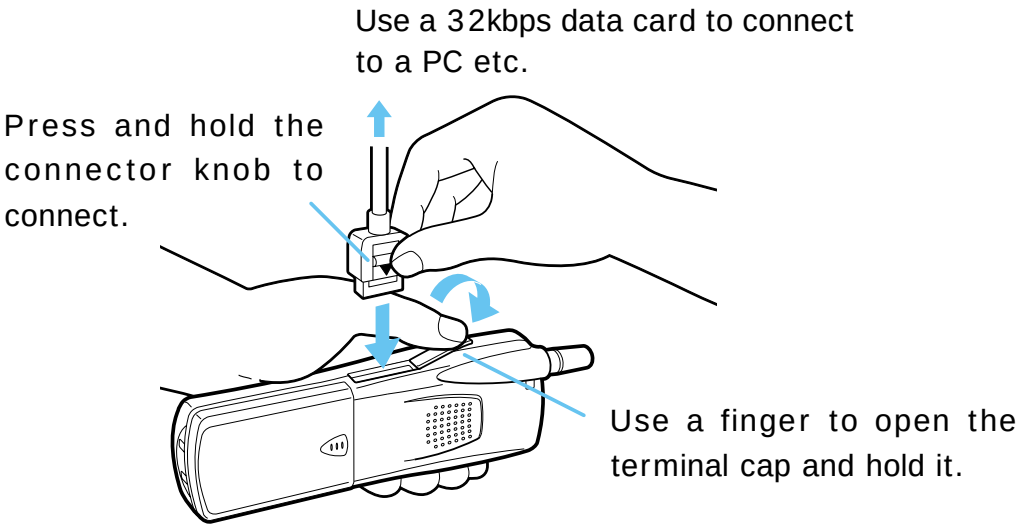
USING THE 32KBPS HIGH SPEED DATA TRANSFER SERVICE

If you connect this phone to various kinds of PC, PDA (mobile data terminal), using a device such as a "32kbps data card" (sold separately), you can use the 32kbps high speed data transfer service. For setting details, see the instruction booklet for the 32kbps data card.
This 32kbps high speed data transfer service uses the standard transfer method PIAFS (PHS Internet Access Forum Standard) and the actual maximum data speed is 29.2 kbps.

Preparing for 32kbps high speed data transfer

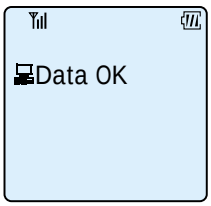
1 Connect your 32kbps data card to a PC etc.

2 Open the terminal cap and connect the 32kbps data card cable to the 32kbps high speed data transfer terminal.



3 Carry out the setting for the 32kbps data card by using the PC etc.
For setting details, see the instruction booklet for the 32kbps data card etc.

4 The 32kbps high speed data transfer setting for this phone is carried out automatically.
To cancel the 32kbps high speed data transfer setting, remove the connection cable.



CAUTION

Do not forcefully pull the terminal cap.

MEMO

- You can use 32kbps high speed data transfer in public mode and transceiver mode.
- After using data transfer, push in the terminal cap so that it locks in the storage position.
- Even when a cable is connected, the phone can be used as a normal voice phone.

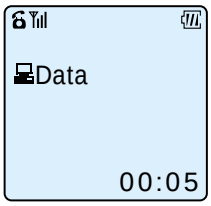
Sending data by 32kbps high speed data transfer

You can perform the 32kbps high speed data transfer from this phone or from a PC etc.
For instructions on 32kbps high speed data transfer, read the instruction booklet for the 32kbps data card (sold separately).
Before using, follow the instructions of "Preparing for 32kbps high speed data transfer" (page 84).

1 Send 32kbps high speed data transfer from this phone or a PC etc.

If you send automatically, sending is performed by operation from the connected PC etc.
If you send manually, you can send by dialing, redialing, or displaying a number such as a call memory number or phone book number.
When sending, press .

2 After connecting, carry out the 32kbps high speed data transfer by using your PC etc.



3 When you want to terminate the 32kbps high speed data transfer, perform the operation to terminate the data transfer from the PC etc.

Also, if you press PWR of this phone, you can terminate the data transfer.

MEMO

- You may not be able to send correctly if you are moving or if the signal is weak or the signal status is bad. Perform this operation in places where the signal condition is good.

Receiving data by 32kbps high speed data transfer

When receiving 32kbps high speed data transfer calls, follow the instructions of "Preparing for 32kbps high speed data transfer" (page 84) beforehand.

1 When a 32kbps high speed data transfer call is received, the ring-tone rings, the incoming light blinks and the display changes to incoming call condition.

The call is differentiated from a normal voice call by "" being displayed.

When 32kbps high speed data transfer is sent from PHS or ISDN etc, the caller's phone number may be displayed.

2 32kbps high speed data transfer connection is performed by PC etc.

3 When terminating the 32kbps high speed data transfer, use the PC etc. to perform the operations to terminate the data transfer.

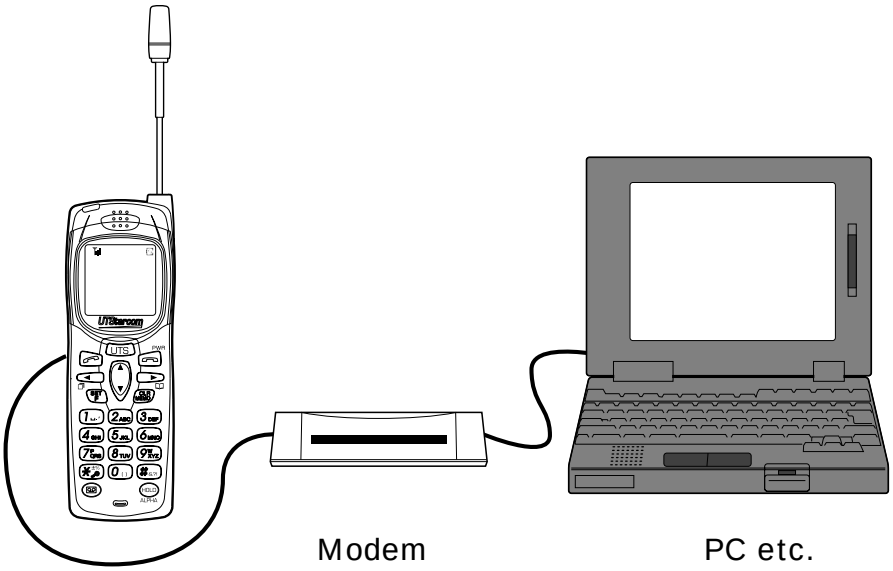
Also, if you press PWR on this phone, you can terminate the data transfer.

MEMO

- When a 32kbps data card is not connected and a 32kbps high speed data transfer call is received, the call cannot be received and 32kbps high speed data transfer cannot be performed. In such cases, the ring-tone does not ring and the incoming light does not blink.
- When receiving a 32kbps high speed data transfer call, you cannot receive the call by using .
- Sometimes transfer cannot operate correctly while moving or while in places of weak signal or places where the signal condition is bad. Use in places with a good signal condition.

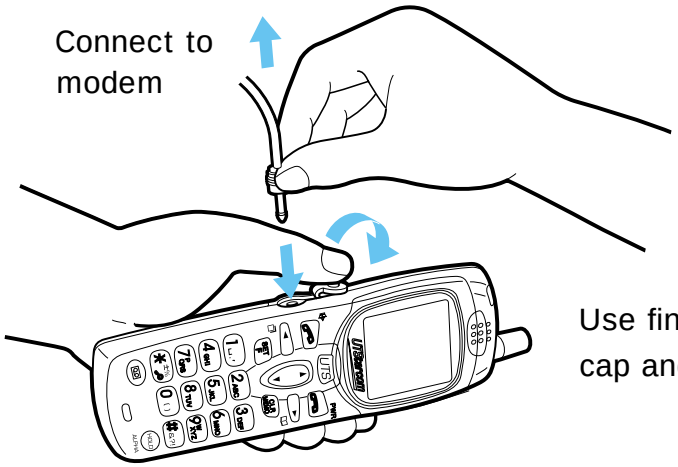
USING MODEM FOR DATA / FAX COMMUNICATION

By using a standard communication cable (modular / 2.5mm dia. microplug) to connect a modem to the phone's earphone / microphone terminal, you can carry out data / fax communication.
During modem communication, the communication speed will be slower than the 32kbps high speed data communication.



Connecting a modem

Please connect as shown by this picture.



Setting modem communication (F95)

1. Press SET/F 9 5.
2. Set to "ON" by using ▲ or ▼.
   When canceling, set to "OFF".
3. Press SET/F.
   Modem communication is now possible.

MEMO

- When not performing modem communication, always set modem communication to "OFF".
- When you purchase this phone, modem communication is set to "OFF".

Performing modem communication

1. Ensure that the modem and PC etc. are connected, remove the phone's earphone/microphone terminal cap and connect the communication cable.
2. Dial the phone number of the communication partner for this data communication.
3. Press ☎.
4. After the communication partner responds, the PC etc. carries out the data transfer.
5. When you want to terminate the communication, press PWR ☎.

MEMO

- You may not be able to communicate correctly if the signal is weak or the signal status is bad. Use modem in places where the signal condition is good.
- When using, keep the phone and the modem 30cm or more away from the house telephone.
- You cannot place the call from the modem.

USING THE SHORT MESSAGE SERVICE

You can communicate with other UTS-708J by the Short Message Service. Maximum 20 alphanumerical letters can be sent or received.

Making an original message (Write Draft Text)

Maximum 5 original messages by maximum 20 alphanumerical can be written.

1 Press UTS.

2 Point ⇨ to "WriteDraftText" using ▲ or ▼.

【Message】
Send
Recvd Message
⇨WriteDraftText
Dlvrd Message
SET Set Select

3 Press SET F.

4 Select the display you want to input / modify using ▲ or ▼.

【DraftText1 / 5】
Will you meet us tomorrow?
Edit Select

5 Press HOLD ALPHA.

【DraftText5 / 5】
Hello

6 Inputting message.

See page 40 for the character input mode switching and character input method.

7 Press SET F.

When you want to continue making an original message, select the display you want to input / modify using ◄ or ► and press HOLD ALPHA. And then, follow step 2 ~ 3.

8 To exit from registering, press PWR.

MEMO

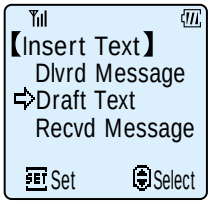
- When you press "UTS" during step 6, the text which should be inserted, is displayed.

Insert the made message into the original message

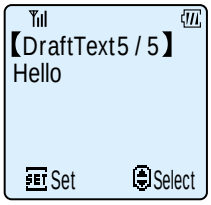
You can not only make a message but also insert the message from "Last sent message", "Draft Text" and "Recv Message".

1. Follow Step 1 to 5 in the "Making an original message".
   "Draft Text" is displayed.

2. Press UTS.
3. Select the item you want to select using ▲ or ▼.
4. Press SET/F.
   When you select "Last sent message", follow the Step 6.



5. Select the item you want to insert using ◄ or ►.

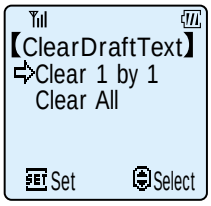


6. Press SET/F.
   You can make a message continuously.

Deleting the contents of original message (Draft Text) individually

1. Follow Step 1 to 5 in the "Making an original message".

2. Select the draft text you want to delete using ◄ or ►.
3. Press CLR/MEMO.
4. Confirm if ⇨ is pointed to "Clear 1 by 1" and press SET/F.
   The selected text is deleted.

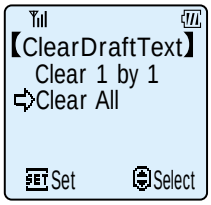


Deleting the all contents of original message (Draft Text)

1. Follow Step 1 to 5 in the "Making an original message".

2. Press CLR MEMO.

3. Point ⇨ to "Clear All" using ▲ or ▼.



4. Press SET F.
   The display to confirm "Clear all" appears.

5. Point ⇨ to "YES" using ▲ or ▼.
   To cancel the clear all operation, point ⇨ to "NO".

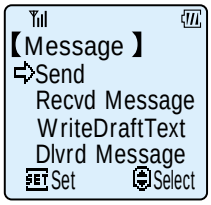
6. Press SET F.
   The display to confirm "Clear all" appears again.

7. Point ⇨ to "YES" using ▲ or ▼.
   To cancel the clear all operation, point ⇨ to "NO".

8. Press SET F.
   All texts are deleted.

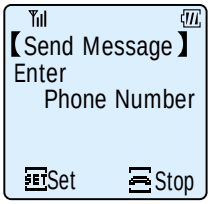
Send the message

1. Press UTS at the public mode.



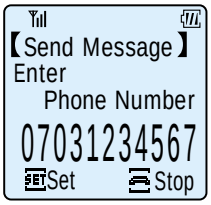
2. Point ⇨ to "Send" using ▲ or ▼.

3. Press SET F.



4 Input the phone number.

The number can be also input by Redial function and telephone book function.

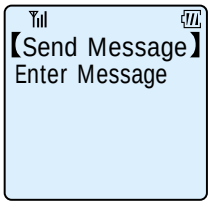


5 Press SET/F.

6 Input the message.

See page 40 for the character input mode switching and character input method.

When you send or insert "Last sent message", "Text draft" and "Recvd Message", follow Step 2 to 6 in the "Insert the made message into the original message".



7 Press .

When the message is sent, you can hear a sound for confirmation.

8 Press PWR after sending.

MEMO

- When the party PS is out of service area or not powered on, you can not send or receive a message.

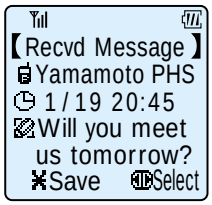
Receive a message

When the message is sent, you can receive it automatically. Also, you can not receive a message at the transceiver mode.

1 The incoming tone or vibration activates and the incoming light blinks.

2 The message which receiving has finished is displayed.

When you press UTS, the content of message is displayed.



Read the received message

Maximum 20 messages by maximum 20 alphanumerical can be stored. When more than 20 messages are received, the oldest message is deleted. However, in case the message is protected, it is not deleted even if it is the oldest message in 20 messages. Maximum 10 messages can be protected.

1 Press UTS at the public mode.

2 Point ⇨ to "Recvd Message" using ▲ or ▼.

3 Press SET F.

In the message, the name or phone number of sender displays. Select the message you want to display using ◄ or ►.

When you want to protect the message, press and hold * for more than 2 seconds.

4 To exit from read the message, press PWR.

The LCD for standby appears.

MEMO

- When the clock function is set, the Month / Date / Hour / Minute are displayed in the message.

Deleting the received message

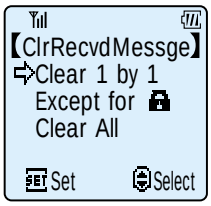
Deleting the contents of received message individually

1. Follow Step 1 to 4 in the "Read the received message".
   Display the message you want to delete.

2. Press CLR MEMO.

3. Point ⇨ to "Clear 1 by 1" using ▲ or ▼.

4. Press SET F.
   The message that is displayed in Step 1, is deleted. And, then, the next received message is displayed and you can delete it if you want.



5. When you finish, press PWR.
   The LCD for standby appears.

Deleting the contents of received message except for 🔒 or all

1. Follow Step 1 to 4 in the "Read the received message".

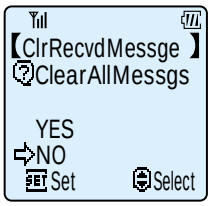
2. Press CLR MEMO.

3. Point ⇨ to "Except for 🔒" or "Clear All" using ▲ or ▼.

4. Press SET F.
   In case of "Except for 🔒", the unprotected messages are deleted and the display of Step 1 appears.
   In case of "Clear All", follow Step 5.

5. Point ⇨ to "Clear All" using ▲ or ▼.

6. Press SET F.
   The LCD for standby appears automatically after all messages are deleted.



Dial lock

To prevent other people using your phone, you can lock the dialing so that calls cannot be placed.

- If password number has not been registered, you cannot set dial lock (page 100).

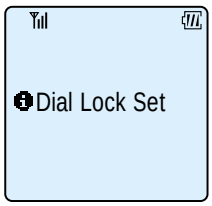
Setting dial lock

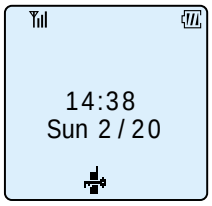
1 Press and hold ✱ for more than 2 seconds.

2 Input the 4 digit password number.

3 Press SET/F.

The phone beeps to confirm operation and the dial keys are locked.





While dial lock is set

- You can receive incoming calls.
- You can place call to telephone No. 110 or 119 for emergency.

MEMO

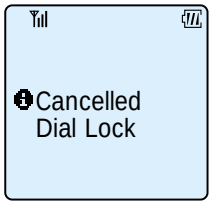
- When you make a mistake while inputting the password number, press CLR/MEMO to clear and then input the correct password number.
- If the password number does not match then the phone will beep the error-tone. Input the password number again from the start.
- If you forget your password number and dial lock is set, you will need to contact your service provider.

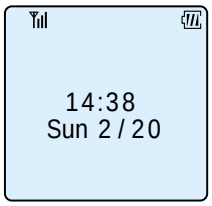
Canceling dial lock

1 Input the 4 digit password number.

2 Press SET/F.

When the password number matches, the phone beeps to confirm the operation and dial lock is cancelled.





Key lock

You can prevent mistaken operation while on the move.

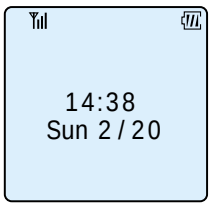
Setting key lock

1 Press and hold [*] for more than 2 seconds.

The key lock state activates and the key lock icon is displayed.

- While the phone is in key lock state, you can receive incoming calls.

Canceling key lock



1 Press and hold [*] for more than 2 seconds.

The phone beeps to confirm the operation and key lock is cancelled.

Phone book lock (F30)

If you do not want other people to see the content of your phone book, you can inhibit access to your phone book.

- If password number has not been registered, you cannot set phone book lock (page 100).

Setting phone book lock

1 Press [SET F] [3 DEF] [0].

2 Input the password number.

3 Press [SET F].

MEMO

- When you make a mistake when inputting the password number, press [CLR MEMO] to clear and then input the password number again.
- If the password number does not match, the display will return to the standby screen.

Canceling the phone book lock

1. Press SET/F 3 0.
2. Input the password number.
3. Press SET/F.
   The phone book lock is cancelled.

MEMO

- When the phone book lock is set and you try to access the phone book, the following screen appears. If you input the password number here, the phone book lock will be cancelled.

Caller number notification (F60)

For cases when you call to the phone that has a function to display the caller's number at receiving, you can set your PHS number to display on their phone when you ring them.

1. Press SET/F 6 0.
2. Point ⇨ to "ON" or "OFF" by using ▼ or ▲.
3. Press SET/F.
   The phone beeps to confirm the operation.

MEMO

- When you purchase the phone, it is set to "ON".
- In some regions you cannot use this function.

Owner Name Record (F63)

You can record your own name.
The name recorded here will be displayed when the phone is turned on or off.

1. Press SET/F 6MNO 3DEF.
2. Press SET/F.
3. Input your name.
   You can input a name of up to 16 characters. See page 40 for how to input characters.
4. Press SET/F.

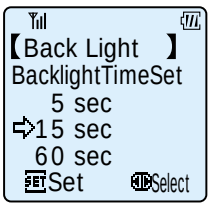
MEMO

- When you want to correct the name, follow the instructions of Step 1 ~ Step 2 and then in Step 3, move the cursor by using ◄ or ► and input the correct letters. Then do Step 4. See page 40 for how to input and correct characters.

Back light (F65)

When the back light is on, a light turns on in the LCD and keys when any key is pressed. You can set the light-up time from 5 sec, 15 sec or 60 sec.

1. Press SET/F 6MNO 5JKL.
2. Point ⇨ to "ON" or "OFF" by using ▼ or ▲.
3. Press SET/F.
   If "ON" was set in Step 2, then the setting is complete.
4. Point ⇨ to the light-up time by using ▼ or ▲.
5. Press SET/F.



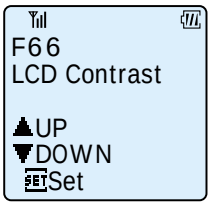
MEMO

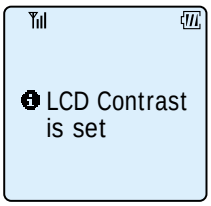
- When you purchase the phone, back light is set to "ON" with a light up time of 15 seconds.

LCD contrast (F66)

You can adjust the contrast of the LCD.

1. Press SET/F 6 6.
2. Adjust the contrast by using ▼ or ▲.
3. Press SET/F.

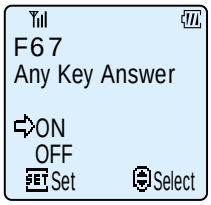




Any key answer (F67)

You can set your phone to answer calls by pressing any key other than PWR or ▭ when a call is received.

1. Press SET/F 6 7.
2. Point ⇨ to "ON" by pressing ▼ or ▲.
3. Press SET/F.
   The setting is complete.



MEMO

- When you purchase the phone, this is set to "OFF".

Registering a password number (F71)

When setting or canceling dial locks or phone book locks, you must input a password number.

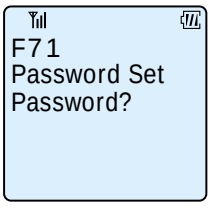
The password number is a 4 digit number that is required to prevent others using your phone without your permission. The password number that is registered here does not appear in the display so please be careful not to forget it.

1 Press SET/F 7 1.

2 Input a password number (4 digits).

You cannot register "0000" for the password number.

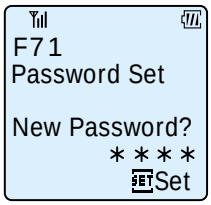
If you make a mistake, press PWR and input the number again from the start.



3 Press SET/F.

A screen for you to input the password number again for confirmation appears.

4 Input the password number again.



5 Press SET/F.

The password number is set.

When you want to change your registered password

Input the password number registered after Step 1 and press SET/F. If the password number matches, the screen for Step 2 will appear. Input the new password number and press SET/F. The screen for Step 4 will appear. Input the new password number again and press SET/F.

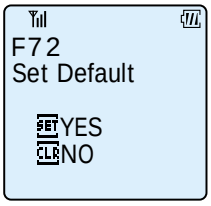
- If the password number does not match when you input it again, the screen for inputting the password number will return. This time input the correct password number.
- If you set "0000" for the new password, the password number will be cancelled.

Set default values (F72)

You can reset set functions and return the phone to the condition it was in when you purchased it.

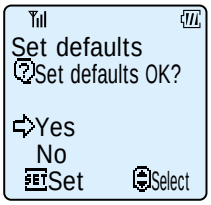
Function that is reset	Default value
Set clock	00:00 on 00/00, 2000
Alarm	Off, the registered time is clear
Auto power off	Off, the registered time is clear
Back light	On, (15 second light up time)
Owner Name Record	The record content is clear
Set ring-tone	Beep 1, volume is medium
Set hold-tone	Melody 1
Message response time	6 Sec
Key touch tone	On
Out of service area alarm	On
Connecting (link) sound	Off
Hand-over tone	Off
Character input method	Alphabet
Caller number notification	On
Any key answer	Off
Modem setting	Off

1 Press SET/F 7 2.



2 Press SET/F.

3 Point ⇨ to "YES" by using ▼ or ▲.



4 Press SET/F.

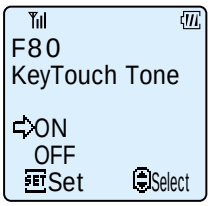
The phone beeps to confirm the operation and the set functions are reset.

To cancel,

point ⇨ to "NO" in Step 3.

Key touch tone (F80)

When the key touch tone is set to on, the phone makes a sound when you press keys. You can set the key touch tone on or off.



1. Press SET/F 8 0.
2. Point ⇨ to "ON" or "OFF" by using ▼ or ▲.
3. Press SET/F.

MEMO

- When you purchase the phone, this is set to "ON".

Out of service area alarm (F81)

In cases such as when the signal does not reach and the out of service area display appears, the phone can ring an alarm to alert the user during a call.

1. Press SET/F 8 1.
2. Point ⇨ to "ON" or "OFF" by pressing ▼ or ▲.
3. Press SET/F.

MEMO

- When you purchase the phone, this is set to "ON".
- If the out of service area alarm rings and the call is disconnected, return to a place that has a stronger signal and place the call again.

Connecting (link) sound (F82)

You can set the phone to make a short beep to notify you that the line is connecting when you are placing a call before the calling tone starts.

1. Press SET/F 8 2.
2. Point ⇨ to "ON" or "OFF" by using ▼ or ▲.
3. Press SET/F.

MEMO

- When you purchase the phone, this is set to "OFF".

Hand-over tone (F83)

You can set the phone to make a hand-over tone when it automatically switches from a service area of the public base station you were communicating via to an area of another public base station (hand-over).

1. Press SET/F 8 3.
2. Point ⇨ to "ON" or "OFF" by pressing ▼ or ▲.
3. Press SET/F.

MEMO

- When you purchase the phone, this is set to "OFF".

USING PHONE AS A TRANSCEIVER

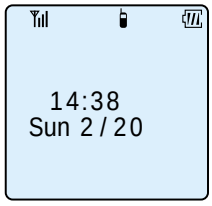
Things to check before using

If you use the UTS-708J as a transceiver, you must register multiple UTS-708J phones at the site as a transceiver group.

Switching modes

When using the phone as a transceiver switch to transceiver mode by following the instructions of "Setting operation modes (F51)" (page 25).

Transceiver mode:
Dedicated transceiver mode



Transceiver communication range

You can use this phone as a transceiver while inside a distance of 100 ~ 150m from the other party.
Also, every 3 minutes the phone disconnects but after about 3 seconds, it makes a short beep sound and reconnects (when connecting (link) sound (F82) is set to "ON").

Registering a transceiver group (F55)

Registration for the transceiver group needs to operate with receiving and transmitting both sides.

Operation for receiving side

Press SET/F 5JKL 5JKL

↓

Press 1

↓

Press 2ABC

↓

Input a transceiver number (1 ~ 8191)

↓

Press SET/F.
You can press #&?! instead of SET/F.

↓

Input a password number (4 digits)

↓

Press SET/F
"Prepping to Receive..." is displayed.
You can press #&?! instead of SET/F.
When the UTS-708J receives the signal by transmitting side, it is displayed from "Receiving..." to "Receiving Finished".
Then, the operation for the receiving side UTS-708J is finished.

Operation for transmitting side

Press SET/F 5JKL 5JKL

Press 1

Press 1

Input the password number (4 digits)
The password number is the same one inputted at the receiving side.

Press SET/F

When the UTS-708J sends the signal, it is displayed from "Sending..." to "Sent".
You can press # instead of SET/F.

Memo

- The transceiver number for the transmitting side UTS-708J is set to "0".
- The password must be muched with the receiving and transmitting both sides.

Operation for clearing group registration

Press SET/F 5JKL 5JKL

Press 2ABC

Point to "YES" by using
To cancel the clearing, point to "NO".

Press SET/F

The transceiver registration is cleared.

Calling the other party

Operation

Pull out the antenna

Input the transceiver number of the party you wish to call

Press

lights up and when the recipient answers, the calling time is displayed.

Communicate to the other party
lights

Press PWR to terminate your call

The display of signal condition

It will display signal condition during a call only, not during standby condition.

If out of service area tone sounds

More to the area where you can get stronger signal within 30 seconds.

Memo

- A call may be interrupted without other party terminating the call.
- Excessive distance
- Low battery charge
- When signals are interrupted or obstructed by any reason, a disconnect tone is sounded in this case.

Receiving a call

Operation

The incoming tone or vibration activates and the incoming light blinks

↓

Pull out the antenna

↓

Press

lights up and the calling time will be displayed.

↓

Communicate to the other party

↓

Press PWR to terminate your call

Memo

- The communication will be cancelled automatically if you do not press PWR within about 30 seconds.
- When you cannot answer the phone straight away, you can stop the ring tone by pressing PWR. Also when the phone is vibrating because of an incoming call, you can stop it in the same way.
- When any key answer set to "NO", you can press any key except PWR to answer the call.

APPENDIX

- BEFORE ASSUMING IT'S BROKEN ... P108
- MAINTENANCE P110
- SPECIFICATIONS P111

BEFORE ASSUMING IT'S BROKEN

If you think something is wrong with this product, before you request support or repairs, have a look at this trouble shooting guide.

Phone will not turn on.

- Did you press PWR for more than 2 seconds?

  Press and hold for more than 2 seconds (page 24).
- Is the battery pack correctly attached?

  Attach battery pack correctly (page 22).
- Is battery power sufficient?

  Charge battery (page 24).

Cannot use the phone.

- Is not showing?

  Move to a place where lights up (page 19).
- Is the communication mode correctly set?

  Set the communication mode that you want to use (page 25).
- [Transceiver mode] Was the registration procedure performed?

  Register the transceiver group (page 104).

Cannot place calls.

- Is the dial lock set?

  Cancel dial lock (page 95).
- Is the key lock set?

  Cancel the key lock (page 96).
- [Public mode] Did you include the area code?

  Redial including the area code (page 29).
- [Transceiver mode] Was the transceiver number correct?

  Check the number and redial (page 105).

When you cannot receive calls

- When a call finished, was PWR pressed?

  Press PWR (page 35).
- Is the phone in hold condition?

  Press HOLD/ALPHA (page 37).
- Is the ring-tone volume set to off?

  Change the ring-tone setting (page 67).

The call reception is bad (noise, hard to hear, drop outs etc.)

- Is the signal getting sent? Are you in a place with a weak signal?

  Move to a place with a stronger signal (page 28).
- Is there an obstacle surrounding you that is preventing signals to pass?

  Change your location (page 28).
- Are you talking while on the move?

  When the signal switches the public base station, you will experience momentary drop outs (page 28).

Cannot charge, becomes immediately unusable

- Is the battery charger attached correctly?

  Try correctly inserting phone again (page 24).
- Is the AC adapter unplugged?

  Check the connections (page 23).
- Are the charging terminals dirty?

  Clean the charging terminals (page 110).
- Has the life of the battery pack expired?

  Replace the battery pack with a new one (page 22).

MAINTENANCE

Maintenance

- Wipe it with a dry soft cloth.

When the dirt is too much, use a diluted neutral detergent with a well wrung towel, then wipe with a dry soft cloth.

- Do not use benzene, thinner or alcohol.

It may cause color-change or deterioration of the paint or writing.

- Occasionally clean the charging terminals of the phone and the battery charger.

If a battery charging terminal gets dirty, the battery recharging time may lengthen or this may inhibit charging. To clean the terminal, use a dry cloth or a cotton bud. Also ensure there is no foreign matter in the battery charger. Otherwise the foreign matter may cause a short circuit.

SPECIFICATIONS

Main unit

Radio frequency band	1,900 MHz
Transmission power	10mW
Power source	3.7V, 410mAh battery pack (Lithium ion battery)
External dimensions	Approximately 41 (width) x 15.9 (depth) x 122 (height) mm
Mass	Approximately 70g (including battery pack)
Volume	Approximately 65 cc

Battery charger

External dimensions	Approximately 60 (width) x 85 (depth) x 35 (height) mm
Mass	Approximately 47.5g
Charging time	Approximately 4 hours

7ZPBN0056