

Mobile Telephone

User Guide

GB



CMD-MZ5



My CMD-MZ5 Information

For easy reference, please record the following identification numbers for your phone and SIM Card. This information will assist you in customer inquiries to your retail dealer, manufacturer or Network Operator/Service Provider.

In case of loss or theft of your phone and/or SIM Card, call your Network Operator/Service Provider immediately to prevent misuse.

My Mobile Phone Number: _____

Operator Customer Service Number: _____

My SIM Card Number:
(Printed on your SIM Card) _____

My Phone's ID Number (IMEI):
(Printed on the label underneath the battery pack) _____

Safety Precautions

- Turn off your mobile phone in places where mobile phones are prohibited including aircraft and hospitals.
- Turn off your mobile phone in places where there is a possibility of fires or explosions due to electrical discharge.
- Turn off your mobile phone in the presence of fuels, caustic/harsh chemicals or dust and in such locations as petrol stations.
- Do not expose your mobile phone to excessive humidity and extreme temperatures, dusty places, rain or wet places and direct sunlight.
- Note that in some countries using a cellular phone without a hands-free kit while driving is not allowed.
- Do not allow children to play with your phone.
- Take special care in the disposal of your battery, using a special facility where available. Do not puncture, burn, or short circuit your battery.
- Limit the distance between the mains socket and the phone when charging for easy accessibility.
- Consult your physician or the manufacturer of personal medical devices (pacemakers, hearing aids, etc.) regarding any restrictions on the use of a mobile telephone.
- Use only Sony-approved CMD-MZ5 batteries and accessories with your phone.
- Do not take apart or modify your phone. For repairs or inspections of your phone, please see your Sony dealer or the store where you bought the phone.
- Do not put your mobile phone in a microwave oven, this may cause damage either to the oven or the phone.

Warning

- Preventing hearing damage: Do not use headphones/earphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.
- Unauthorised batteries, chargers, and accessories will invalidate any approvals and warranty given for your phone and may be dangerous.
- For use in the car, please connect your GSM mobile phone to an external antenna. The external antenna can be connected to your mobile phone with the appropriate accessory, e.g. Hands-free Kit. Please contact your car manufacturer concerning the appropriate position of the external antenna on your car.

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Welcome to Sony CMD-MZ5

Welcome to the Sony CMD-MZ5 designed for use in the worldwide network of GSM (Global System for Mobile Communications). Your phone is fully equipped with the Advanced Jog Dial and a visual menu for easy access and navigation - with only one hand! Furthermore, the supplied "MagicGate Memory Stick" allows you to record and play back sound data.

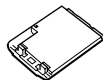
What's Included in Your Kit

The kit should include the following:

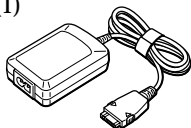
- Mobile phone (1)



- Lithium ion standard battery pack (1)



- AC adaptor (1)



- AC cable (1)



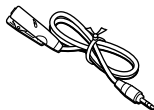
- "MagicGate Memory Stick" (1)



- Headphones (1)



- Remote with microphone (1)



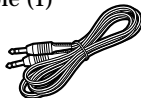
- Optical recording cable (1)



- Desktop holder (1)



- Analog audio cable (1)



- This manual (1)

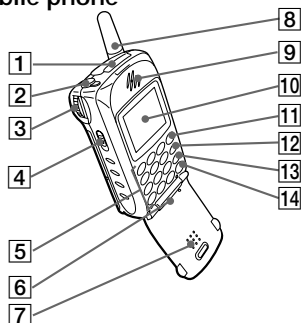
- Carrying case (1)



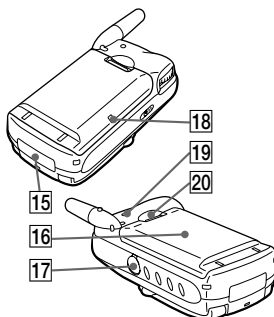
If one of these parts is missing, please contact your retail dealer immediately.





Parts and Controls

Mobile phone

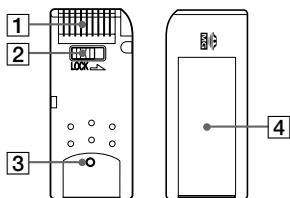


- 1** Memory Stick slot
- 2** Remote with microphone/
headphone jack
- 3** Advanced Jog Dial
- 4** EJECT lever
- 5** Keys (alphanumeric keys)
- 6** Microphone
- 7** Flip
- 8** Antenna
- 9** Ear piece



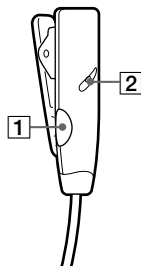
- 10** Display
- 11** Send key 
- 12** Memo key 
- 13** Clear key 
- 14** On/Off key 
- 15** External connector
(Charging and Accessories)
- 16** Battery pack
- 17** LINE IN (OPTICAL) jack
- 18** Charging indicator
- 19** Ringer
- 20** Battery release hook

MagicGate Memory Stick



- 1** Connector
- 2** Erasure prevention switch
- 3** Distinctive protrusion of
"MagicGate Memory Stick"
- 4** Label space

Remote with microphone

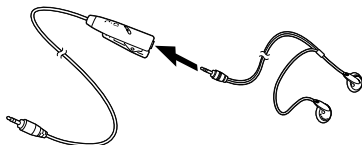


- 1** Answering/ending call button
- 2** Microphone

To connect the headphones to the remote

To connect the headphones, plug into the headphone jack on the remote firmly.

No sound will be heard if the connection is loose.



The Basic Features of Your Phone

• Flip call

You can answer a call by opening the flip cover.

This feature can be set up by the menu operation.











Important

Opening and closing the flip cover may cause the screen to flicker, however this is not a defect.

• Tag window











You can still see tags on the display even with the flip cover closed.

Information corresponding to each tag can be displayed. To clear the tag, use , Jog Dial, or .

-  Received SMS To review the details of the received SMS, open the flip cover. Pressing the Jog Dial allows you to see the message. You can then keep  pressed to call back the person who sent the SMS.
-  Missed call To see the caller's number, open the flip cover. Press  to call the number.
-  Schedule The first event for the day is displayed from the start of that day.
Later events are displayed at their scheduled times.
To review the contents of the event, open the flip cover.
-  Received local area info To display the contents, rotate the Jog Dial.

• Advanced Jog Dial

The Jog Dial provides one-handed operation navigation. “Jog Dial” in this manual is the “Advanced Jog Dial”.




Display Icon	Operation		Function
	Rotate the Jog Dial clockwise or counter-clockwise.		Scrolls through menu options.
	Press the Jog Dial straight into the phone.		Confirms the selected option (highlighted) in the display. Accepts an entry made with keys. Takes incoming calls when the flip cover is closed.
	Keep the Jog Dial pressed.		Dials the phone number selected.
	Press the Jog Dial forward.		Exits from one menu to the previous screen. Also ends a call.
	Press the Jog Dial backward.		Opens the “pop up menu”. Also opens help.

• Phonebook

You can open the Phonebook from standby mode by rotating the Jog Dial. You can easily make a call from the Phonebook or a variety of other operations including searching by Group and saving such information as e-mail addresses. (see “Phonebook” page 32).

• Memo/Answering machine

In standby mode

- To listen to the Voice memo — press 
- To record your voice — keep  pressed
- To open the Answering machine menu — keep  pressed
- To turn on your Answering machine to accept all calls when the flip cover is closed — keep the Jog Dial pressed

When receiving a call

- To turn on your Answering machine — press 

During a call


- To record the conversation — press 

• Manner mode

You can set the Manner mode by pressing the Jog Dial backward while in the standby mode when the flip cover is closed. Select the following icon and press the Jog Dial:

-  — Silent
-  — Vibra alert only
-  — Single beep
-  — Manner off









• Voice mail

To speed dial your Voice mail, keep  pressed to automatically dial your “Personal answering service” to listen to messages, etc. (see “Using the Phonebook-Voice mail” page 39).

Icon Glossary

Your phone lets you see at a glance if you have missed calls, have messages waiting and the status of options you have selected (for example if you have diverted your phone or turned the ringer off). Sony has developed the following icons to provide you with a quick overview of your mobile activity:


Status






Icon	Explanation
	Network signal strength
	Battery strength (flashing=battery level low)
	SMS message waiting (flashing=message storage full)
	Answering machine notification
	Answering machine on
	Network voice mail
	Active call
	Network not available (no calls possible)


Manner



Icon	Explanation
	Silent
	Single beep

Function

Icon	Explanation
	Go to
	Search
	Help notification

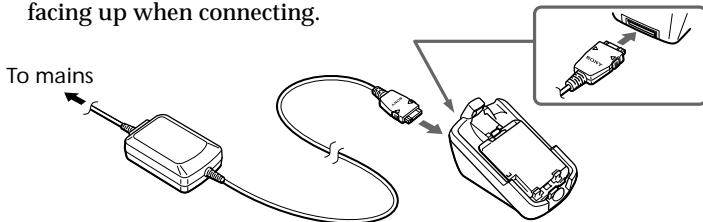
Icon	Explanation
	Divert option activated
	Missed call
	Barring service in/out activated
	Barring service out activated
	Barring service in activated
	Alarm
	Ringer → Vibra alert
	Vibra alert → Ringer
	Vibra alert on

Icon	Explanation
	Vibra alert only
	Ringer off

Icon	Explanation
	View
	Paste
	T9 (Text editing system)

③ Charge the battery pack independently.

Make sure that the back of the battery pack (the side with the label) is facing towards you. Align the battery with the desktop holder and insert the battery pack all the way to the end until it is locked. Be sure to position the plug with the SONY logo side facing up when connecting.



Charging indicator on the battery pack

A red light comes on when charging starts. The light turns green, after about 3 hours, when charging is complete. But, it may vary depending on certain conditions e.g. If your phone is switched on or temperature is beyond operational range. As an energy saving measure, disconnect the AC adaptor from the mains socket and from the phone after charging.

[F] The battery icon on the display indicates charging status. When the battery is almost completely charged, the battery icon shows all bars. However, this display shows an approximate indication only, check the indicator on the battery pack (refer to the above) to confirm whether or not the battery pack is fully charged.

Important

- If the red light on the battery pack blinks, reconnect the AC adaptor and reinsert the phone (or the battery pack). If you repeat this process several times and the indicator continues blinking, the battery pack might be defective. Stop charging the battery pack immediately and replace it.
- Use only the Sony-specified CMD-MZ5 battery pack and charger. Your battery is equipped with short circuit protection. If you short your battery accidentally, charge the battery immediately to unlock the short circuit protection.

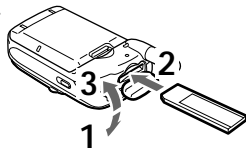
Usage time

When your battery pack is nearly discharged the battery icon on the display blinks and the phone beeps to inform you that only a short amount of calling time remains.


Inserting the “MagicGate Memory Stick”

To use the Music features, insert the “MagicGate Memory Stick” into your phone beforehand.

- 1 Open the cover of the Memory Stick slot.
- 2 Insert the “MagicGate Memory Stick” into the Memory Stick slot until it clicks.
- 3 Close the cover of the Memory Stick slot.

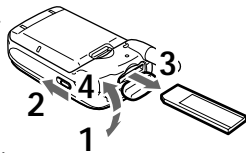


Note

Be sure to position the “MagicGate Memory Stick” with the  logo side facing up when inserting.

To remove the “MagicGate Memory Stick”

- 1 Open the cover of the Memory Stick slot.
- 2 Slide the EJECT lever in the direction of the arrow. The “MagicGate Memory Stick” ejects.
- 3 Take out the “MagicGate Memory Stick”.
- 4 Close the cover of the Memory Stick slot.



Notes

- Do not remove the “MagicGate Memory Stick” when the Music menu is in use. If the “MagicGate Memory Stick” is removed while recording, playing or formatting, data on the “MagicGate Memory Stick” may be damaged.
- When transporting the “MagicGate Memory Stick,” place it in the supplied storage case.

Important

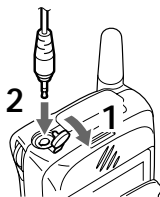
If you have inserted the “MagicGate Memory Stick” upside down mistakenly, remove it manually and then slide the EJECT lever.

Connecting the Remote and the Headphones

To enjoy music using the Music menu, connect the headphones to the remote and then connect the remote to your phone. You can only listen to music through the headphones.

To connect the remote to the phone


- 1 Open the cover of the remote/headphone jack.
- 2 Connect the remote plug to the remote/headphone jack firmly.




To remove the remote

Disconnect the remote plug and close the cover of the remote/headphone jack.

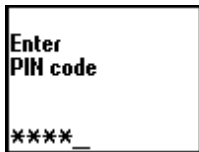
Switching on Your Phone

To switch your phone on/off, keep  pressed.

Entering PIN

For security reasons, your SIM card is protected with a Personal Identification Number (PIN), which is supplied with your SIM card. Enter your PIN with the keys (the PIN appears in code as *****) and press the Jog Dial (or ) to confirm your entry.

If you do not enter a PIN code, your phone will automatically switch off after approximately 2 minutes. It is possible but not recommended to disable the PIN code prompt (see “Main Menu Operations-Settings-Security” page 66).



Note

If the Personal lock has been set, there are some cases that you need to additionally input the security code.

Warning

You only have 3 attempts to enter the correct PIN. After the third attempt, your SIM is blocked and you must enter your PUK code (Personal Unblocking Key). (see also “Troubleshooting” page 103).

If necessary, you can obtain your PUK code from your Network Operator/Service Provider.

Emergency calls

Emergency calls (112, 999, etc.) are possible when you have network coverage even if there is no SIM card in the phone (even if the keys are locked). The support of this feature depends on the Network Operator.

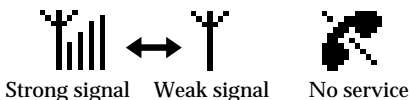
Connecting to the Network

After successfully entering your PIN code, your phone searches for an available GSM network. The network search is automatic, but may take a few seconds (see also “Main Menu Operations-Settings-Preferences” page 64).

You are ready to make and receive calls when the Network Operator's name appears on the display.



The following indicates the strength of the received network signal. If the signal is very weak, there is a risk of losing service.



If you cannot obtain service

One reason for failure to obtain network service is that the reception strength may be too weak. Try moving to a higher elevation, to a window or open space. Make sure that there is nothing obstructing the antenna.

Roaming ▲

If you are out of range of your “Home” Network Operator, especially when you are abroad, another Network Operator may be selected automatically, subject to signal strength and roaming agreements between Network Operators. Contact your Network Operator/Service Provider for details.

Basic Operation

Making Calls

The operator's name must appear on the display and the flip must be opened in order to make a call (except emergency calls).



- 1 Dial the complete number of the party you want to call (including the area code even when dialling locally).



- 2 Press to correct any errors. Keep pressed to clear the entire number.

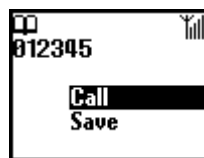


- 3 Keep the Jog Dial pressed (or press) to call the number displayed.

or



Press the Jog Dial to save the number to the Phonebook.



Tip

- If the Auto redial option is on (see page 73) and the number you have called is engaged, your phone automatically displays the Auto redial option to call the number repeatedly at progressive intervals until the call is connected. However, if there is an incoming call, the Auto redial option will be cancelled.



International calls

Each country has an individual international access code for dialling abroad.




- 1 Keep pressed until “+ ” appears.





- 2 Enter the country code, followed by the area code and the number.

Answering/Ending Calls

When the flip is open, incoming calls are indicated by a ringing tone as well as the incoming call indicator icon on the display. Press the Jog Dial (or ) to accept the call.

If the caller is using the Caller ID feature, the caller's name appears on the display if the number is saved in the called person's Phonebook. Only the number appears on the display if the number is not saved in the Phonebook.

If you do not wish to answer the call, press  while the phone is ringing. The call is rejected (the caller hears a busy tone or is diverted if a divert has been set). If you do not answer the call, the missed call icon appears on the display in standby mode. Press  in standby mode or select the Call history from the Main menu for information about the missed call.

When the flip cover is closed, press the Jog Dial to start a call. If you do not wish to answer, press the Jog Dial forward while the phone is ringing to reject the call.

The operation is the same when the flip cover is opened, but the missed call icon appears in the Tag window if you do not answer. (For details see "Tag window" page 8)

Ending calls


Press  or press the Jog Dial forward to end a call.

Flip call



When Flip call is set (see page 73) and you receive a call, you can accept it by opening the flip cover.

Close the flip cover to end the call.

Memo

When you receive a call with the flip cover opened, you can press  to start your announcement and to turn on the Answering machine.

Note

If you have a call waiting, press  to end the current call and accept the call waiting by pressing  (see also "Call settings-Call waiting" page 72).

During a Call

Adjusting the ringer/speaker volume


When your phone is ringing, you can adjust the ringer volume by rotating the Jog Dial.



During a call, you can adjust the speaker volume by rotating the Jog Dial. Rotate up to increase the volume and down to decrease the volume.



Tips

- During a call, use your phone as a notepad to enter a phone number. If you make a second call simultaneously, the active call is put on hold (see also "Call hold"). Even when the call is ended, the number you entered reappears on the display.
- Press the Jog Dial for the option to save the number in the Phonebook or simply keep the Jog Dial pressed (or press ) to call the number.

Call hold

Call hold allows you to manage 2 calls at the same time. For example, if you are speaking to someone on your phone and you want to make another call, you can put the current or active call on hold in order to call someone else. Check with your Network Operator/Service Provider for details about this service.

One active call



- 1 Press the Jog Dial backward and select Call hold.




- 2 Press the Jog Dial to confirm your selection.




- 3 Press the Jog Dial again to access the Phonebook to retrieve a number or use the keys to enter a number.




- 4 Keep the Jog Dial pressed (or press ) to make a call.

Tip

- You can also put a call on hold automatically. Simply use the Notepad and make a second call; or just press .

End all calls

Press the Jog Dial backward and select End all calls or simply press  at any time to end both the active call and the call on hold.

Send DTMF

Press the Jog Dial backward and select this option during a call to Send DTMF tones (e.g. from a Phonebook entry) which are tones designed to respond to menu prompts e.g. in your Voice mail or other services.

Mic off/Mic on

Press the Jog Dial backward and select the Mic off/Mic on option to mute and unmute the microphone.

One active call (or one call on hold) and one call waiting

When your phone alerts you (beep) that a call is waiting, there are several options available.

- 1 The display automatically offers you call waiting options.



- 2 Select Swap to put the active call on hold and connect the waiting call.

or



Press the Jog Dial backward and select one of the following options.

Swap to alternate between the active call and the call on hold.

Busy to indicate to the calling party that your line is engaged.

Replace to end the active call and retrieve the call waiting.

End all calls to end all established calls and accept the call waiting.

Mic off/Mic on to mute/unmute the microphone.

Note

In step 1 select Busy to indicate to the calling party that your line is engaged.

Conference call

A call with more than 2 participants.


To set up a conference call, press the Jog Dial backward to open the Call menu then select Join from the Call menu.

Note

It is possible to talk with a maximum of 5 callers. Contact your Network Operator for details.

Memo during a call

You can record the conversation for up to 20 seconds. Also, you can play back the pre-recorded Voice memos, to let the caller hear them, during conversation.

Pressing  records a Voice memo. To playback a memo, open Memo from the Main Menu. Then open the Voice memo box and select the memo you want to playback for the caller.

Important

Obtain permission from the other party beforehand if you want to record the conversation. Also, be aware that the recorded contents can be listened to by third parties if they have access to your phone.

Standard Text Input

The Jog Dial provides a quick alternative to enter standard characters. Simply press a key once and then rotate the Jog Dial to move the cursor to the desired character on the preview bar. Press the Jog Dial or wait a moment to confirm. However, standard character entry is still possible if you prefer; press the corresponding key several times until the character appears.

Character Table


Key	Lower Case Characters	Upper Case Characters	Numeric
0	[SPACE] +=<>€£\$¥%&Ø		0
1	..'?!@-:;"/\1		1
2	abcäâàçæ2	ABCÄÅÆ2	2
3	defèé3	DEFÉΔΦ3	3
4	ghiî4	GHIΓ4	4
5	jkI5	JKLΛ5	5
6	mnoñöøð6	MNOÑöØΩ6	6
7	pqrσβ7	PQRSTΠΨΣ7	7
8	tuvüù8	TUVÜΘ8	8
9	wxyz9	WXYZΞ9	9
*	< SHIFT >		< SHIFT >
#	< SYMBOL PAGE >		

Tip


- Keep pressed to change to T9 mode for easy text entry (see also "T9 Text Input" page 29).

Example:

To enter “s” when creating a message.

- 1 Press . A character or number appears.




- 2 Rotate the Jog Dial to “s” (or press  three more times).




- 3 Press the Jog Dial (or wait for a moment).





Tips



- Press  to shift between:

 lower case letters permanently

 an upper case letter and then revert back to lower case

 upper case letters permanently

 numbers

- Press  to clear the character or number just before the cursor.
To clear the entire text, keep  pressed.

T9 Text Input

In addition to the standard method of entering text messages in which you press a key a certain number of times until the desired letter appears, Sony has equipped your phone with an additional feature called T9 Text Input. T9 Text Input and the Jog Dial make writing messages quicker and easier. Just type a word by tapping each key once per letter. After you have finished typing to the end of the word, T9 Text Input gives you several words to select from in the preview bar based on the key combination you entered.

(see page 28 on how to enter lower-case letters, upper-case letters and numbers).





Making a sample entry with T9 Text Input

To insert the word “Sony” when creating a message.

1 Keep  pressed to switch to T9 mode if  does not appear.

2 Press  to shift to .



3 To type the word “Sony”, press each of the following keys in order: , , , .

4 At the end of the word, check the preview bar to see possible combinations of the keys you typed.



5 Rotate the Jog Dial to select “Sony”. If your desired word is first on the list, just press the Jog Dial to select it.



Note

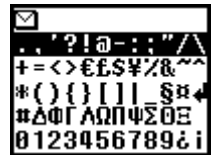
If the word you intended to type does not appear in the list, keep **(*)** pressed to switch to the standard text input mode (see page 27) and type the word using the standard text entry method. Once you have finished, keep **(*)** pressed to return to T9 mode. This new word will automatically be added to the T9 memory so that next time you type the word it will appear in T9 mode. This process is applied to editing text as well.

However, Bulgarian, Croatian, Czech, Greek, Hungarian, Polish, Romanian, Slovakian, Slovenian, Turkish, Norwegian and Finnish are not supported.

Adding a symbol or punctuation

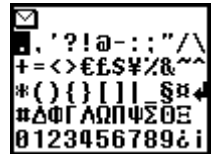
To insert a symbol when creating a message.

(# @) 1 Press **(# @)**.



 2 Use the Jog Dial to scroll from row to row.

 3 Press the Jog Dial to select a row.



 4 Rotate the Jog Dial to scroll within the row.

 5 Press the Jog Dial to select a symbol.

Tip

- For "Smart Punctuation", just press **(1 ∞)** where you would add a fullstop, hyphen or apostrophe and T9 will automatically insert the most likely punctuation symbol. You just keep on typing and T9 will punctuate for you!

Text Edit

When making text entries, press the Jog Dial backward to enter text edit which provides the following features:



Time

To edit the current time and paste it.



Date

To edit the current date and paste it.



Phonebook

To paste saved information in the Phonebook.



Template

To paste a sentence that is already prepared.



Last message

To attach the last edited SMS.



Event

To paste events from the schedule.



Phrase

To save several commonly used phrases by pasting the saved words.
You can also delete the saved words.

If you would like to save a new word, select "New word". (You can save up to 10 words/phrases each having up to 32 characters.)

If you would like to delete a saved word, select "Delete".



Top

To return the cursor to the top of the text.

Character, Timer

To select the length of time for number or letters to be accepted before the next key can be pressed for the Standard text input mode.

Using the Phonebook

About the Phonebook

It is very convenient to save frequently-used phone numbers and e-mail addresses. You can save up to 500 names in the Phone memory. The number of names that you can save to the Phonebook in the SIM card depends on the capacity and specifications of the SIM card.



Note

- You can make the same set up as Phone memory for names and numbers which are saved in SIM card, however, information other than names and numbers is saved in Phone memory. You can save these data in only one SIM card.
- Names stored in the Phone memory with several phone numbers are in the Phone memory.
- Names stored in the SIM card with several phone numbers are in the SIM card.

The Phonebook has the following features:

Group (above illustration ①)

If you classify a name group by group, you can easily perform searches. You can save up to 10 groups with each group having its own name and icon.

Name/Number (above illustration ②)

You can save up to 3 numbers and icons for each name. An icon indicating where the name is saved, either to the SIM card or to the Phone memory is displayed to the left of the name.

 — SIM card  — Phone memory

Custom (above illustration ③)

You can save up to 120 characters such as addresses, e-mail addresses and company names in each entry. And, one name can have up to 2 entries.

Priority entry

When you open the Phonebook, the 9 most frequently used entries are separately displayed from the ABC sort list. All of these 9 entries are saved in the SIM card.

Important

Entries might be changed or deleted due to malfunctions, repairs or other circumstances.

To limit the risk of losing data make a copy of important entries such as phone numbers. Also note that, we can not take responsibility for entries that are changed or deleted.

Creating Entries in the Phonebook



- 1 Rotate the Jog Dial in standby mode to open the Phonebook.



- 2 Select Phonebook menu and press the Jog Dial.



- 3 Select New entry and press the Jog Dial.



- 4 Select SIM card to save the entry to the SIM card memory or Phone memory, press the Jog Dial to confirm.
This step is skipped if "Choice" is not selected for the "Memory in use" in the Phonebook menu (see page 41).



- 5 Enter the phone number. Press the Jog Dial to confirm.



- 6 Rotate the Jog Dial to select the phone type icon and press the Jog Dial.



- 7 Enter the name, press the Jog Dial to confirm.
(For more details, see “Basic Operation-Standard Text Input” page 27 or T9 Text Input page 29).



- 8 Press the Jog Dial and wait for a moment to return to the Phonebook again.

Note

Phonebook memory size (number of memory spaces and maximum number of letters and digits) depends on your SIM card. When you save to the SIM card, the number of names and phone numbers depends on the SIM card.

When you save to the Phone memory, you can save up to 500 names. You can enter up to 20 characters for the name and up to 40 digits for the number.

Saving Phonebook Entries from Standby Mode



- 1 Enter the phone number.



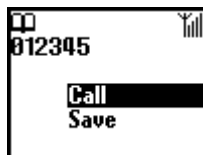
- 2 Press the Jog Dial to call or to save the number.



- 3 Rotate the Jog Dial to select Save.



- 4 Press the Jog Dial to confirm your selection.



Finish saving the Phonebook entry by following steps 4 to 8 in the previous section “Creating Entries in the Phonebook.”

Making Calls from the Phonebook

Making calls from the ABC sort list

You can select the name from the ABC sort list to make a call.

Rotate the Jog Dial in standby mode to open the Phonebook, use the Jog Dial to display the ABC sort list. If several numbers are displayed after selecting the person's name, select the number to be dialed.



Note

If you have saved several numbers for one name, the first number on the list is displayed in the pop up window.

Tips

- To search in the Phonebook, press a key to advance to that letter in the Phonebook. E.g. to advance to entries beginning with "M", press **(6MNO)**.
- You can also do a name search in the Phonebook menu. (see page 41)

Making calls from the group sort list

In the ABC sort list, pressing the Jog Dial backward displays the Group sort list.

Select the group from the Group sort list and then select the name to make a call.



Making calls from the speed dial

You can easily make a call to the phone number saved in the SIM card by pressing its registration number and then keeping the **(#*)** key pressed in standby mode.

For example, if you press the **(100)** key, **(0_+)** key and then keep the **(#*)** key pressed in standby mode, the phone number assigned to number 10 in the SIM card is called up.

For the Priority list (first nine names), the first phone number under each name is automatically assigned to No. 1 through 9 on the SIM card.

Grouping

Group setting

Create new group or change the name or icon of existing groups.



Set group

You can change the group.

- 1 Select the Name/Number of the group that you want to change from the ABC sort list or the Group sort list, then press the Jog Dial.



- 2 Select the group name and press the Jog Dial.



- 3 Rotate the Jog Dial to select the group name.



- 4 Press the Jog Dial to confirm your selection.



Note

You can change the group for entries in the SIM card. However, if you reset the set group in another SIM card, that group information in the previous SIM card is deleted.

Editing the Phonebook

The Jog Dial and the Phonebook make it easy to keep all your contacts up to date and easy to access with flexibility in customizing. Following the steps below you can call, edit, delete or copy entries. You can edit entries in the Phonebook by Number, Name, Group or by Custom.

Editing a name

You can edit, delete and copy names.



- 1 Rotate the Jog Dial in standby mode to open the Phonebook.



- 2 Rotate the Jog Dial to select the name you want to edit.



- 3 Press the Jog Dial.

The saved numbers of that person are displayed.



Selecting the name allows you to do the following.

- Select **Edit** to change the name.
- Select **Delete entry** to delete the selected name, its saved number (or numbers in case more than one number is saved under that name) and custom.
- Select **Copy entry** to copy the selected name, its saved number (or numbers in case more than one number is saved under that name) and custom.



- 4 Press the Jog Dial to confirm your selection.

Editing a number

- 1 Follow step 1 to 2 in Editing a name.



- 2 Select the number you want to edit and press the Jog Dial for a menu of editing options.

- Select **Call** to call the number.
- Select **Edit** to change the selected number.
- Select **Delete** to erase the selected number from the Phonebook.
- Select **Copy** to copy the entry from one memory location to another.



- 3 Press the Jog Dial to confirm your selection.

Custom

Custom edit



The "Custom" is similar to a memo pad for additional information as e-mail or postal addresses.

- 1 Follow steps 1-2 in Editing a Name.



- 2 Select the Custom entry you want to edit.



- 
3 Press the Jog Dial for a menu of editing options.
 - Select **Edit** to change the Custom entry.
 - Select **Delete** to delete the Custom entry from the Phonebook.
 - Select **Copy** to copy the entry from one memory location to another.
- 
4 Press the Jog Dial to confirm your selection.





Voice Mail

The first entry in the Phonebook is reserved for your Voice mail number. Like other Phonebook entries, you can save and edit your Voice mail number here.

For your convenience, there is also quick access to your Voice mail via **100** - just keep **100** pressed to dial your Voice mail without even opening the Phonebook!


For more information, please contact your Network Operator.



To set up your Voice mail

- 
1 Rotate the Jog Dial in standby mode to open the Phonebook.
- 
2 Rotate the Jog Dial to select Voice mail and press the Jog Dial.
- 
3 Enter the number at the prompt.
- 
4 Press the Jog Dial to confirm your entry.



Tip

- Once you set the Voice mail, you can listen to your Voice mail by selecting Voice mail in step 2 and pressing .








The Voice mail icon  (or the envelope icon depending on the network) appears in the display to inform you when you have new voice messages waiting. Contact your Network Operator/Service Provider for details. To listen to your messages, just keep  pressed to call your Voice mail!

Phonebook Menu

Own number

The first entry in the Phonebook menu is for your own numbers, use it for quick reference or as a reminder in case you forget them. You can make up to 3 entries in the phone memory, and more in the SIM depending on its capacity.

To display own numbers

-  1 Rotate the Jog Dial in standby mode to open the Phonebook.
-  2 Select Phonebook menu and press the Jog Dial.
-  3 Press the Jog Dial to select own number.
-  4 Rotate the Jog Dial to select the name of the own number.
-  5 Press the Jog Dial to display the number.
-  6 Press  to exit.



Note

To save an own number entry, select a memory space using the Jog Dial. Press the Jog Dial and enter the number at the prompt.

Tip

- You can call, edit, delete and copy your own numbers.

Name search

You can search for a name with Name search in the Phonebook menu. Input the character of the name you want to search and press the Jog Dial, entries beginning with that letter appear. Choose the one you want by rotating the Jog Dial.

Service numbers

The service numbers provided by your operator may not be displayed depending on the SIM. These numbers can not be edited.

Memory status

You can display how much memory is available (memory status) for SIM, Phone memory and the Custom.

Memory in use

Set the location of the memory. Select Choice and you can specify the location of each entry.

Fixed numbers

This section of the Phonebook may contain Fixed Dialling Numbers (SIM card dependant). To add an entry to the Fixed numbers, rotate the Jog Dial down to “New entry” in the Fixed numbers and proceed as in “Creating Entries in the Phonebook”. You can call, edit, delete and copy the Fixed numbers.

You need a PIN2 code to edit, delete and copy.

The fixed numbers may not be displayed depending on the SIM.

■ Fixed number only

When you select Fixed numbers and turn this feature on, you only have access to numbers stored in the Fixed Dialling Numbers (FDN) section of your Phonebook. This feature can help you to control outgoing calls. For example, if you lend your phone to someone they will need your PIN2 code to make outgoing calls. For more details, contact your Network Operator/Service Provider.




Delete all entries

You can delete all entries. Each entry is a space in memory for the name and numbers . One person may have more than 3 numbers in their entry. All entries are erased from the phone memory, including the phone numbers, customs and all own numbers. Names and numbers in the SIM are not erased. However, the framework of entries in the SIM is erased. Each number remains listed individually under its name. Therefore, names are listed repeatedly for each number that was entered under them.

Main Menu Operations

The menu system provides you with an easy overview of your options grouped into separate menu points. An icon represents each menu point for easy recognition and the icons rotate as you scroll using the Jog Dial. Some menu options are network dependant. Please contact your Network Operator/Service Provider for information about which options are available in your network.

Selecting a menu item with the Jog Dial

-  1 Press the Jog Dial to select the main menu from standby mode and rotate the Jog Dial to scroll through the menu options.
-  2 Press the Jog Dial to select the menu option in the centre.
-  3 Press the Jog Dial forward (or press **C**) to exit a menu.



Note

Your phone automatically defaults to standby mode after more than 3 minutes of inactivity.

Selecting a menu item with the short-cut key.

You can go to each menu by pressing the short-cut key (**0...+** ~ **9 WX YZ**) from the Main menu.

- | | |
|------------------------------|-------------------------------|
| • 1 CD — Messages | • 2 ABC — Ringer |
| • 3 DEF — Schedule | • 4 GH — Phonebook |
| • 5 QJKL — Clock | • 6 MNO — Divert |
| • 7 PQRS — Calculator | • 8 TUV — Call history |
| • 9 WX YZ — Settings | • 0...+ — Memo |

Tip

- indicates that an option is on.
- indicates that an option is off.
- indicates that an option is not set.



READ → CREATE → SETTINGS


LOCAL AREA INFO ←

Messages





Choose Messages from the Main menu for correspondence options to create, send and read short messages (SMS). You can use short messages to send another mobile phone user a text message. The Jog Dial makes it easy to enter characters using the preview bar together with the keys.



Read

You hear a beep which sounds different from the single beep of the ringer and see the message icon  when a new message arrives. Short messages can be received in standby mode or during a phone call.




-  1 Select Read from the Messages menu.
-  2 Scroll through the list of messages to select the message you want to read. The first line of the message appears in the pop up window.
-  3 Press the Jog Dial to confirm. The message appears on the display.
-  4 Press the Jog Dial for options to Reply, Forward, Delete, or Call back the number in the text.







Tip

- You can switch between All list and Call history by pressing the Jog Dial backward when you are in the Read list.

Note

The capacity for storing incoming and outgoing messages depends on your SIM card. The message memory is full when the envelope icon  blinks in the display. If you try to save a message when the SIM memory is full "Memory full" appears and you cannot save the message. Delete old messages in order to free memory space for new messages.

SMS list icons indicate the properties of the message

-  : Received message (unread)
-  : Received message (read)
-  : Created message (stored in the SIM)
-  : This incoming message is only stored in the phone's memory, not in the SIM memory. If you switch off the phone the message is deleted. If you want to save this message, see below. (see "Memory class" page 47)
-  : Result report
-  : Voice mail message

To delete a message

Follow the steps 1-4 in Reading messages and select Delete. After selecting the message you want to delete, select Yes.

To reply to or edit a message

Follow the steps 1-4 in Reading messages and select Reply. Then, select a message with the Jog Dial and edit it for the Reply message.

To forward a message

Follow the steps 1-4 in Reading messages and select Forward. After entering the phone number you want to send the message to, edit it for Forward message. You can also choose a number from the Phonebook.

To call back the sender of a message or a number in the message text

Follow the steps 1-4 in Reading messages and select Call back. Select a number that you want to call back from the numbers (up to 3) appearing in the SMS. You can call back one of the SMS numbers of the person that sent the SMS.



READ → CREATE → SETTINGS

LOCAL AREA INFO

Create

You can create a new message.

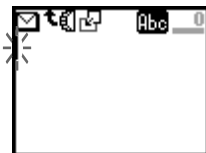


- 1 Select Create from the Messages menu.



- 2 Create your message and, when finished, press the Jog Dial.

On how to input the Character Table and T9 Text, see “Basic Operation-Standard Text Input” (see page 27).



- 3 Enter the number to which you want to send the message using the keys and press the Jog Dial to confirm.

You can select the number from the Phonebook by pressing the Jog Dial backward.



- 4 Select Send, Save, Settings or Cancel and press the Jog Dial to confirm your selection.

Tips

- Press the Jog Dial backward during the text input for the pop up menu to appear. (see “Basic Operation- Text Edit” page 31)
- If you are interrupted (e.g. incoming call) while creating a message, select Last message to retrieve the message and complete it continuing from step 2.

Settings

Settings allows you to customize outgoing messages including the format, confirmation report, etc. Some of these options may be network-dependant. Contact your Network Operator/Service Provider for details. Select Settings from the Messages menu, then select a Settings option using the Jog Dial.

Service centre

Before you can send short messages, you must register your Service centre number via the Service centre option in the Messaging menu.

Contact your Network Operator/Service Provider for details.

You can open the SMS menu and select the number registered in your Service centre by pressing the Jog Dial. Then, select “Set default” to make the selected number the default number. You can also enter the Service centre number manually.



Message tone

Select a tone type that alerts you to reception of SMS. You can select 2 different tones or no tone (silent).

Note

If the ringer is set to Vibra alert then it overrides any other message tone settings in the Message tone.

Memory class

You have the following options:

SIM to save the message on the recipient’s SIM card.

Phone to save the message in the recipient’s phone.

Screen to display the message directly on the recipient’s display without saving to the SIM or the phone. It is not recommended to send confidential messages using the Screen option.

Validity period

You can specify how long messages are stored in the service centre by selecting: 1 hour, 6 hours, 24 hours, 1 week, 4 weeks. The default validity period is 24 hours.



READ → CREATE → SETTINGS

LOCAL AREA INFO ←

Reply cost

Choose Reply cost and select On if you would like to pay for the recipient to respond to your message.

Result report

Choose Result report and select On if you would like to receive confirmation that your messages are transmitted to the recipient successfully.

Message format

Choose Message format if you would like to specify how your message is transmitted: SMS, E-Mail, Fax, Telex, Voice (if available). The default setting is SMS.

Signature

You can create your own signature of up to 32 characters, and choose whether or not to attach it when you send SMS.

Local area info

Local area info allows you to receive cell broadcast messages or general messages like weather reports, traffic reports, etc. broadcast to a group of phones in a certain area. Some of these options may be network-dependant. Contact your Network Operator/Service Provider for details.



- 1 Select Local area info from the Messages menu.



- 2 Select one of the following options:
Received info to view cell broadcast messages.
Select channel to add or delete a broadcast channel.
Receive to choose whether or not to receive cell broadcast messages.



- 3 Press the Jog Dial to confirm your selection.

Ringer

You can set the Manner mode or the Vibra alert. Also, you can select the ringer type and adjust the volume and tone.

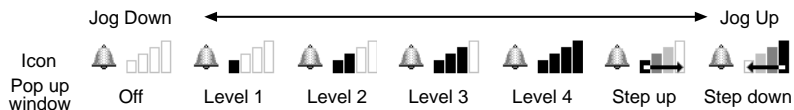


Ringer

You can adjust the ringer volume, select the ringer type and edit and save your favourite melody.


Ringer volume

You can select one of the 6 levels of the ringer volume or turn the ringer off.



Select the ringer volume from the Ringer menu and then select from among the 7 ringer volume levels using the Jog Dial.

Tip

-  appears in standby mode to remind you when you have turned the ringer off (level 0).
You can also quickly turn the ringer on/off or to single beep by pressing the Jog Dial or adjust the volume during an incoming call (while ringing) by rotating the Jog Dial.

Note

Even if you set the Vibra alert (see page 53), when the Ringer volume is off the Ringer volume icon has priority in the display.



Ringer tone

You can select from among 30 different pre-set ringer tones in the ringer tone setting. You can even add 3 more ringer tones using the ringer composer.

You can compose and save up to 3 melodies (see also “Ringer composer” below). Select ringer tone from the Ringer menu. The current setting for the tone is displayed. Select from among 30 tone types using the Jog Dial. You can listen to the sound of the ringer tone type by moving the cursor to the selection.

Group ringer tone

You can set the ringer tone for every group saved in the Phonebook. However, you can not set the ringer tone for every name or number.

Ringer composer

You can compose your favorite melodies.

The Ringer composer menu has the following functions:

Compose to input your favorite melody using musical notes.

Edit title to add the title to the saved melody.




Play to play the melody.


■ Compose



- Number of Tone
- Key Board, "P" = Pause
- Cursor Area
- Select Item Area
- } Entered Music



-  1 Select Composer in the ringer composer mode and press the Jog Dial.
-  2 Rotate the Jog Dial to select the tone and press the Jog Dial.
 - To hear the following 3 octaves, rotate the Jog Dial.
 - C — Octave lower
 - C — Original tone
 - C — Octave higher
 - The half-tone is displayed in grey.
 - To enter a musical pause, select “P” from the keys.
-  3 Select the musical length and press the Jog Dial.

If you selected musical pause in step 2, select the length.
- 4 By repeating steps 1 through 3, you can create various melodies.
-  5 After entering the melody, press the Jog Dial backward to display the Sub menu. Select “Save”.

Tip

- You can display the Sub menu by pressing the Jog Dial backward while entering the melody.

Play:To play the melody. You can play a melody while composing.

Move:To move the position of the cursor.

Tempo:To set the tempo of the melody. The default setting is Moderate.

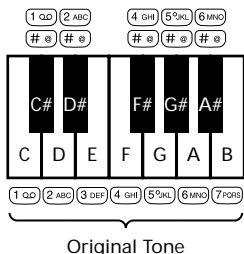
Save:To save the entered melody.

Cancel:To cancel the entered melody.

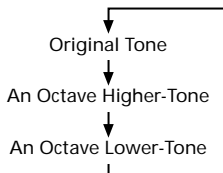


You can directly enter the melody with the keys by pressing the Jog Dial.

■ Entering tones

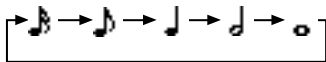


Change the octave by pressing each key a number of times.



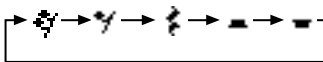
■ Musical length =

Change the length by pressing several times.



■ Entering musical pause =

Change the pause by pressing several times.



Edit title

Attach a title to the entered melody (see “Standard Text Input” page 27).

Play



To play the entered melody.



Vibra alert

You can set the vibration of the Vibra alert indicating a call. This feature is available for Alarm and Message tone.

On: Vibra alert is set to on.

Off: Vibra alert is set to off.

 →  : After the Ringer rings, the Ringer mode changes to the Vibrator mode.

 →  : After the phone vibrates, the Vibrator mode changes to the Ringer mode.





Note

- Changing the mode between Ringer and Vibra alert takes 3 seconds.
- If Vibra alert is on, the Message tone and Alarm as well as the Vibra alert function.
- Even if you set the Vibra alert, when the Ringer volume (see page 49) is off the Ringer volume icon has priority in the display.

Manner mode

Select one from 3 types of Manner modes.

Select Manner mode from the Ringer menu and then select one of the following manner modes using the Jog Dial:

-  **Silent** : Ringer is off. Also Vibra alert is off.
-  **Single beep** : Ringer beeps only once.
-  **Vibra alert only** : Vibra alert is set to on. Ringer is off. SMS alarm can be also informed by Vibra alert.
-  **Manner off** : Manner mode is off. The icon is not displayed in the top icon area.

Note

Once you have set the Manner mode, the Ringer and Vibra alert modes do not work even if you set them.



Schedule

The schedule has many features. You can display the calendar, save your daily schedule and set alarms for important meetings or tasks.

The window of the monthly calendar is displayed as follows.

April '00						
M	T	W	T	F	S	S
27	28	29	30	31		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

(light gray) : Sundays.

(dark gray) : An event is scheduled for that day.

Tip

- When the Calendar is displayed, press the Jog Dial backward to display the Menu. The Menu has detailed scheduling functions.

Event list

To review all your events in a list.

Month

To display the specified monthly calendar.

Week

To display the monthly calendar including the specified week.

Today

To return the cursor to the Today window.

Go to

To directly input and display the current date.

Memory

To display the amount of memory being used for your saved schedules.

Delete all

To entirely delete all schedules both current and old.



Daily event list

You can display your daily schedule, which holds up to 4 events. Then, check it by rotating the Jog Dial. Select the day from the calendar and press the Jog Dial. Then select New event and press the Jog Dial to save a new event.



Schedule menu

You can edit or delete events that are already saved. Select the Daily item from the Daily event list and select Menu item by press the Jog Dial.

■ Alarm

To set the alarm. You can also set 5 minutes before the specified time.


■ Edit

To edit the time, icon and details.

■ Delete

To delete the displayed schedule.

■ Repeat

To repeat recurring events weekly, monthly or yearly. When repeat is set, the icon  is displayed.

Note

Up to 4 events each day and a total maximum of 500 events can be saved.

Clock

The clock has many features. You can set an Alarm or a Time to automatically switch off your phone every day. It also displays the current date and time in standby mode.

Alarm

Select Alarm from the Clock menu. Use the Jog Dial and the keys in the set mode to enter the time you want the alarm to ring.

Repeat daily allows you to repeat the alarm at the same time every day.

Alarm tone allows you to select the alarm tone.

Note

When you set the Silent mode in Manner mode, the alarm does not ring even though the alarm has been set.

If the Vibra alert in the Ringer has already been set to on, the Vibra alert overrides any setting for the Alarm tone.

Tip

- The alarm rings for about 40 seconds. Press any key to turn off the alarm. The alarm does not ring during a call, it switches to the vibrator, and then rings on completion of the call. The alarm rings even when the power is off (and the battery is inserted).

Timer

Select Timer from the Clock menu. Use the Jog Dial and the keys to set the timer. When stop is selected or the time is up, a bell rings.



ALARM → TIMER → WORLD CLOCK
... ← TIME SIGNAL ←

World clock

This phone has a World clock function.

Select World clock from the Clock menu and press the Jog Dial to display the world map.

You can select city by rotating the Jog Dial. The name of the city and its phone code are displayed in the pop up window.

This status changes to the standby mode with the phone code by pressing



The time in your home city is displayed on the top-left of the screen.



Tip

- You can select city directly by pressing the Jog Dial backward from the world map. Save up to 6 cities by selecting **Add city**.

Press the Jog Dial to display the following menu when in the world map screen.

City name: To change the name and location of the city.

Clock: To change the time.

Phone code: To change the country code and the dialling code.

Summer time: To change to summer time. If summer time has been selected, it will be active from the last Sunday in March to the last Sunday in October and the standard time will be one hour ahead.

Set home: To set as the home city.

Delete: To delete.

Note

You cannot change or delete the times for the pre-set cities.

Time signal

You can set your phone to ring or vibrate on the hour.

Clock format

Select the style of time to be displayed and it appear in standby mode.

Analogue

Set whether or not to show an analogue clock when the flip cover is closed.

Auto power off

The Auto power off function turns your phone off at a specified time. Activate Auto power off once, and the phone turns off at the same time every day.

Set Auto power off from the Clock menu. Use the Jog Dial and the keys to enter the time in the set mode you want to turn off your phone.

Note

If auto power off occurs during a call, the phone does not turn off until after the call is completed.

Set the day/time

Select set from the Clock list menu. Use the Jog Dial and the keys to enter the day, month, year (DDMM20YY). Enter the hour and minutes (HHMM in a 24 hour clock format) and then select “OK”. To correct the entry, press

.

Divert

Choose Divert, also known as “Call forwarding”, from the Main menu to forward incoming calls to another phone number depending on certain conditions in which you do not answer the call e.g. divert to your Voice mail if you are not reachable. You may need to register for this service with your Network Operator/Service Provider.



All calls

To divert all calls unconditionally (the phone will not even ring).

If not reachable

To divert incoming calls when your phone is switched off or out of network coverage.

If no reply

To divert incoming calls if you do not answer the call after a certain period of time.

If busy

To divert incoming calls when you are on the phone (line engaged).

All fax

To divert all fax calls (the phone will not even ring).


All data

To divert all data calls (the phone will not even ring).






Cancel all

To clear all active diversets.

Note

 appears in standby mode when a divert is set.

Setting a divert

-  1 Select the Divert menu from the Main menu.
-  2 Select a Divert option using the Jog Dial (e.g. If not reachable).
-  3 Select Activate to set the chosen divert condition.

-  4 Select Voice mail to divert calls to your Voice mail or Other number to choose a number from the Phonebook. You can also enter the number manually using the keys.
- 5 Wait for confirmation from the network.





In step 3, you also have the option to cancel or check status. Select “Cancel” to cancel the divert; then wait for the network response. Select the option “Check status” to check the divert settings. Wait for the network response and then you can view the current status on the display.

Note



If the returned response is “Failed”, the network was unable to set, clear or check the selected Divert.

Calculator

The Calculator can perform addition (+), subtraction (-), multiplication (x) and division (÷), and even percentage (%) calculation.

- Press  to go through the mathematical operations of +, -, x, and ÷ in that order.
- Press  to display “%”.
- Press  to clear the entered value and the result.
- Press the  to start a new calculation while using the calculator.



- 1 Select Calculator from the Main menu. The assigned keys will be displayed.
- 2 Enter a number.
- 3 Press  to select the operand and then enter another number.
- 4 Press  to select = for the result.

In this example we are going to subtract 20% from 120.



Rate conversion

You can also use the calculator as a currency calculator as an easy way to convert prices from one currency to another.

Display the pop up menu by pressing the Jog Dial backward and select the desired Currency exchange rate. Press the Jog Dial to display the converted price on the Calculator.

Also, the exchange rate has the following functions in Settings on the pop up menu list. Make sure of specifying the rate whenever adding a new currency.

Home currency to set your home currency.



Foreign currency to set foreign currency.


Currency list to list currency and to enter currency newly up to 5 currencies included original's.




Call History

Call history tracks a total of 30 received and dialed calls. (The number of received or dialed calls may vary depending on your Network Operator/Service Provider). The caller's name is displayed in Call history if their name is in your Phonebook.

 1 Select the Call history from the Main menu or press  in standby mode.







 2 Scroll up or down using the Jog Dial to highlight the desired number or name from the list. The time stamp for the selected Call history appears in the pop up window.



 3 Keep the Jog Dial pressed if you find the number that you are looking for.
Select **Delete all** to delete all lists at the end of the list.

Tip

- Press the Jog Dial backward to select between All calls list, Last dialled numbers list or Missed/Received calls list in Step 1.

-  Outgoing call
-  Outgoing call (Voice memo)
-  Incoming call
-  Incoming call (Voice memo)
-  Missed call
-  Answering machine

Note

Support of the Call history entries requires Caller ID (Caller Line Identification). When the Call history memory is full, the oldest number is deleted automatically to provide space for a new entry.



Call history menu

To save, copy, etc. numbers from the Call history, select the Call history menu then press the Jog Dial.

Call

To call the displayed number.

Save

To save the new name in the Phonebook. Also, to copy the numbers displayed in the Phonebook.

Change

To change the displayed phone number.

Delete

To delete the number and name displayed.

Voice memo

To play the saved Voice memo.



Settings

Preferences

Choose Preferences from the Main menu settings and unpack the bag of options to personalize your phone according to your preferences like which language your phone speaks, even how the keys sound!

When you receive your phone, it has the following default settings.

item	default	reference	page
Language	Auto	Language	64
Key click sound	Key click	Key click sound	65
Greeting message	Off	Greeting message	65
ScreenSaver	Off	ScreenSaver	65
Animation	Stream	Animation	65
Backlight	On	Backlight	65
LCD contrast	—	LCD contrast	65
Select network	Auto	Select network	65
Priority list	—	Priority list	65
Factory reset	—	Factory reset	65

Language

The Language setting allows you to select the language in which all options appear.

Select Language from the Preferences menu and then use the Jog Dial to select the appropriate language.

Select automatic and the display changes to the language set in the SIM.

Tip

- As a short cut, you can also select the language by pressing *#00 (country code) #. Select your default language by pressing *#0000#.



Key click sound

You can adjust the key sounds to DTMF tones, Key click or Silent in the Key sound settings.

Greeting message

The Greeting message menu allows you to turn on/off or to edit the greeting text which appears when you turn your phone on.

Animation

You can choose one of 3 animations to display when you turn on the phone.

ScreenSaver

You can set ScreenSavers only when the flip cover is open.

Backlight

Use this setting. You can choose to turn the Backlight of the keys and display on or off. If the Backlight is switched off, your phone's battery charge lasts longer.

LCD contrast

You can set the contrast of the LCD to be brighter or darker.

Select network

This feature gives you the option to select a network automatically when you turn on your phone or manually from a list of available networks.

Priority list

Choose Priority list to edit the automatic network selection priority list. This feature is helpful for example to prioritize roaming partners, etc.

Add network to add a network operator to the list.

Move to adjust the order in which the names appear in the list.

Delete to remove a network operator from the list.

Factory reset

The Factory reset allows you to perform a master reset of all of your phone's settings back to the factory settings except Phonebook, Schedule and Network or SIM card-based settings. Note that this will restart your phone.

Security

The Security options allow you to control who uses your phone as well as their calling privileges. However, emergency calls (SOS) are always possible regardless of the restrictions/ codes you set.

PIN code

Your Network Operator/Service Provider provides a PIN number with your SIM card. The menu offers you the possibility to change your PIN code or to enable/disable the PIN code prompt.

Important

You only have 3 attempts to enter the correct PIN code. If the third try fails, your PIN is blocked and you must enter your PUK (Personal Unblocking Key) also provided with your SIM card. You have 10 attempts to enter the PUK code correctly. After the tenth wrong entry, your SIM card is completely blocked and you must contact your Network Operator/Service Provider.

■ Enabling/Disabling the PIN code

When the PIN code is enabled, your phone prompts you to enter the PIN code each time you turn on the phone.

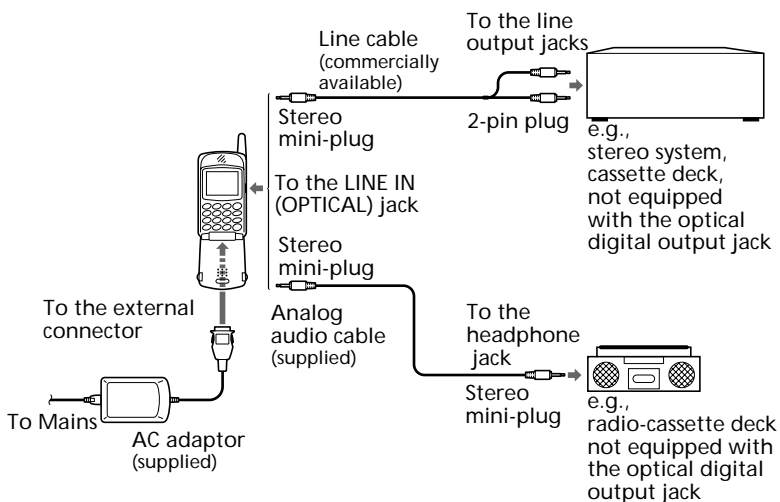


- 1 Select PIN code from the Security menu and press the Jog Dial to confirm your selection.
- 2 Select On/Off to enable/disable the PIN code.



■ Analog signal recording

- 1 Insert the “MagicGate Memory Stick” into the phone (see page 17).
- 2 Connect the phone to the AC adaptor and the power plug to mains (see page 15).
- 3 Connect the LINE IN (OPTICAL) jack on the phone to the line output jacks or headphone jack on the audio device using the commercially available line cable (stereo mini-plug ↔ 2-pin plug) or the supplied analog audio cable.



Notes

- As the maximum recording time of the “MagicGate Memory Stick” is 120 min. (at 66kbps), please connect the AC adaptor to the phone when recording.
- You can only record the digital signal of 44.1 kHz sampling frequency.
- The analog signal recording may not be performed due to an incomplete connection depending on the line cables which are commercially available. However, the recording performance is confirmed using the following cable.

• Stereo mini-plug ↔ 2-pin plug ----- SonyRK-G136+PC-63S

Record to Stick



- 1 Enter the Music menu by pressing the Jog Dial backward in playback mode, and rotate the Jog Dial to select “Record to Stick,” then press the Jog Dial.

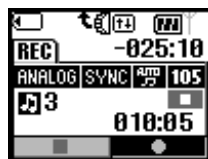
The display shows recording menu.



- 2 Press the Jog Dial to enter the recording pause mode (⏸).



- 3 Press the Jog Dial to start recording. Set the audio device to play.



Tips

- Up to 2 hours of music can be recorded on the supplied 64MB “MagicGate Memory Stick”.
- The number of songs recorded differs depending on the playing time of the song and the bitrate that you select for the recording.

Notes

- If the recording cable is disconnected during Sync. record, the phone stops recording. However, if the line cable or stereo mini-plug cable is disconnected during analog signal recording, the phone continues recording without sound unless you stop the recording.
- If the Sync. record is set to “On” when recording a digital signal, set the phone to the recording pause mode and start playback on a digital audio device. Recording will start simultaneously with playback.
- When recording an analog signal, monitor the sound volume in recording pause mode.

Warning

Do not remove the “MagicGate Memory Stick” while playing. Doing so may damage recorded data on the “MagicGate Memory Stick.”

Rec Settings

The “Rec Settings” function allows you to set the recording sound quality (Bitrate), use the synchronized recording (Sync. record) and insert the track mark (Auto track mark) for each song.

Enter the Music menu by pressing the Jog Dial backward in playback mode. Then rotate the Jog Dial to select “Rec Settings” and press the Jog Dial.

■ Bitrate

You can set the sound quality for recording.

Bitrate	Sound quality	Maximum recording time*
132 132kbps	High	60 min.
105 105kbps	Middle	80 min.
66 66kbps	Low	120 min.

* Approximate maximum recording time when using 64MB “MagicGate Memory Stick.”

Notes

- Selecting a higher bitrate reproduces better sound quality but shortens the recordable time.
- A maximum recording time shows a guide when all the songs to be recorded are set to the same bitrate. If the bit rate differs for songs, the maximum recording time will be different from that on the table.

■ Sync. (Synchronized) record **SYNC**

The phone automatically starts recording when a digital audio device connected to this phone starts playback.

■ Auto track mark **AUTO**

When a sound muted part is detected, recording stops temporarily and when a sound part is detected, recording starts with the next track number.

Playing back sound data

You can play sound data recorded on the “MagicGate Memory Stick.”
The continuous playing time is up to about 6 hours.

- 1 Select the Music in the Extras menu by following the procedure on page 79.

The display shows the playback.



- 2 Press the Jog Dial to start playback.



- 3 To stop playback, press the Jog Dial.





Additional operations

The display shows the playback control icons (⏮, ⏹, ⏭, ⏩).

These are displayed in stop mode. To display them in playback mode, press the Jog Dial backward.

To	Operation of the Jog Dial
Go to the beginning of the current track	Rotate the Jog Dial to select ⏮ and press the Jog Dial once.
Go to the previous track	Rotate the Jog Dial to select ⏮ and press the Jog Dial repeatedly until the desired track number appears.
Go to the next track	Rotate the Jog Dial to select ⏭ and press the Jog Dial repeatedly until the desired track number appears.
Go backward	While playing, rotate the Jog Dial to select ⏮ and keep pressing the Jog Dial until you reach the desired location.
Go forward	While playing, rotate the Jog Dial to select ⏭ and keep pressing the Jog Dial until you reach the desired location.

To	Operation of the Jog Dial
Stop	Rotate the Jog Dial to select  and press the Jog Dial. To resume play, rotate the Jog Dial to select  and press the Jog Dial. Play starts from the point where you stopped play.
Adjust the sound volume level	While playing, rotate the Jog Dial. The sound volume level can be selected from Level 0 to 10. A few seconds later, the display returns to playback mode.

■ Closing the flip

You can close the flip while playing. The display shows only the track title and playing time (playback display with the Flip closed).

■ Answering an incoming call during playback

When you receive an incoming call during playback, you can answer using the answering/ending call button on the remote.

- Incoming call

To answer: Press the answering/ending call button and speak into the microphone on the remote.

To reject the call: Keep the answering/ending call button pressed.

- During a call

To end: Keep the answering/ending call button pressed for 2 seconds or more.

To hold: Press the answering/ending call button. Press again to resume.

■ Playing with the remote

You can start and stop playback by simply pressing the answering/ending call button when the Browser or E-mail is not in use.

Note

When speaking into the microphone, maintain a distance to the microphone of no more than 20 cm.

Warning

Do not remove the “MagicGate Memory Stick” while playing. Doing so may damage recorded data on the “MagicGate Memory Stick.”



Play Settings

The “Play Settings” function is used for playback. This allows you to set the bass sound level (Bass), repeat mode (Repeat) and AVLS (Automatic Volume Limiter System).

Enter the Music menu by pressing the Jog Dial backward in playback mode. Then rotate the Jog Dial to select “Play Settings” and press the Jog Dial. The “Play Settings” menu appears.




■ Bass

Bass function intensifies low frequency sound for richer quality audio reproduction.

Setting	Sound quality	Display indication
Off	Normal playback	None
Level 1	Bass (moderate effect)	
Level 2	Bass (strong effect)	

■ Repeat

You can play songs repeatedly in three ways; repeat all, shuffle and one.

Setting	Playback mode	Display indication
Off	Normal playback	None
All	All tracks are played repeatedly.	
Shuffle	All tracks are played repeatedly in random order.	
One	The current track is played repeatedly.	

■ AVLS

The AVLS function limits the maximum volume to protect your ears from excessive volume and to prevent sound leakage.

Note

If you attempt to adjust the volume over a certain level when the AVLS function is set to “Limit,” the display shows “AVLS.”

Other settings

List of Titles

The “List of Titles” function allows you to play a song by specifying its title, edit a title/artist name and delete songs recorded on the “MagicGate Memory Stick.”

Enter the Music menu by pressing the Jog Dial backward while in playback mode but not playing.

If there are songs without a title, only the track number is displayed.

From the List of Titles, rotate the Jog Dial to select the title and press the Jog Dial. Then select one of the functions below.

■ Play

The specified song plays.

■ Edit

You can edit a title and artist name for songs.

Select “Title” or “Artist” to be edited and press the Jog Dial. Enter the title or artist name by referring to pages 27 to 30.

Tip

- You can view details of the sound data such as title, artist name and playing time for each track by pressing the Jog Dial backward from the List of Titles display.

■ Delete

You can delete a song or all the songs recorded on the “MagicGate Memory Stick” as follows:

To delete a song

Select “Delete” and press the Jog Dial. Then select “Yes” and press the Jog Dial.

To delete all the songs

Select “Delete all” from the end of the title list and press the Jog Dial. Then select “Yes” and press the Jog Dial.

Format stick

If you need to format the “MagicGate Memory Stick,” be sure to use the “Format stick” function.

If formatted, all data previously recorded on the “MagicGate Memory Stick” is erased. Be sure to check the data before formatting (data recorded using other devices is also erased).

Notes

- Do not remove the “MagicGate Memory Stick” or disconnect the AC adaptor while formatting.
- You cannot use a “MagicGate Memory Stick” that is formatted by a computer.
- Even if you receive an incoming call while formatting, formatting the “MagicGate Memory stick” is not interrupted.
- If the erasure prevention switch of the “MagicGate Memory Stick” is set to “Lock,” you cannot format the “MagicGate Memory Stick.”
- The “MagicGate Memory Stick” which is supplied and also those which are commercially available have already been formatted.


Stick info

You can get the “MagicGate Memory Stick” information. The display shows the data amount, the number of recorded tracks and the total recorded time.

Browser

You can visit various information sites on the Mobile Internet Service and Intranet information of your company. It is possible to access a variety of information such as news or weather reports from around the world, as well as regular sites on the Internet.

Tip

- You can save the picture in the Capture memory while browsing (See page 78). When the desired picture is displayed, press .

Notes

- Internet access is limited to the sites that are configured in HTML or WML. WML's site is accessed using Wap (the Wireless Application Protocol created for Internet service through mobile phones).
- You cannot make phone calls while accessing the Internet.

Launching your browser

Press the Jog Dial after selecting the Browser from Extras menu.

■ Home

Access your homepage.



■ Launching the Browser from Favourites

Access, edit, and delete URL's that are chosen as Favourites.

To select Favourites press the Jog Dial while in the Browser menu. A list of saved URLs is displayed. Rotate the Jog Dial to select the URL, then press it to display the following menu.



Note

To create a Favourite during a Wap session, enter "wsp:// " and then the URL.

Go :

Connect to the selected URL.

Move :

Change the order of your Favourites list.

Edit :

Edit the Favourites name and URL.

Delete :

Delete the Favourites.

Navigating in the Browser



Scroll through menu options (Hyperlinks and tag).



Jump to selected Hyperlink or highlighted button.



*Exit from one link to a previous link.
Go back to the previous menu.*



Change the options in the selection menu.



Open the Info menu.

Tip

To open the menu, press the  while in the browser.

Home :

Access your home site.

Refresh :

Refresh the displayed page.

Add Favourites :

Save the current site.

Favourites :

Access a URL from Favourites.

Manual URL :

Access a URL by manually entering the address.

Quit :

Close your browser and return to standby mode.

■ Settings

To select settings press the Jog Dial while in the Browser menu.

Be sure to make these settings before using this service.

The complete range of settings is displayed. The icon indicates the site that you have set as your home site. To change your home site, select “Set home” from the menu after you choose a site with the Jog Dial. Select “Edit” and the following items can be set.

You may find your operator’s setting pre-sorted here.

Name :

Name of the service.



Homepage :

Browser access to this URL when you select “Home”.
You do not need to type “http://”.

Server type :

Please select the content type. (WAP or HTML)
You can access the contents of both WAP and HTML servers with this browser.

Bearer Service :

“Data” is used by most operators.

Provider**Dial-up number :**

The phone number to dial-up your provider.

User name :

The user name to log on to your provider.

Password :

The password to access your provider.

Note

It is necessary to enter the Security code before the password screen appears.

Refer to page 66 for details about the password and security code. The default value is 0000.

Data call type :


ISDN (V110) and Analogue (V32).

GW server :

The numeric IP address of the gateway server on the Internet.

Security :

Set whether to use a secure connection (WTLS) or not.

 This icon is displayed in a secure connection.

Service centre :

The number for the service centre that is designated when you select SMS for your bearer service.

Proxy :

The proxy server that is set when you select HTML as the server type.

Detail**Timeout :**

The maximum time limit of non-activity with the network before the mobile automatically disconnects.

Cookies :

The cookie setting when HTML is selected.

DNS server :

The setting for DNS (Domain Name System) server.

Notes

- The items that can be set depend on the server type.
- Refer to page 31 for details on the Text edit.

To enter “.” press .

■ Closing the Browser

Press the end key to disconnect (this is only when the bearer service is set to data). Pressing the end key or closing the flip cover also closes the Browser.


E-mail

You can send and read E-mail by accessing your office E-mail server or your Internet service provider on the Internet (POP3 and SMTP are supported).

Contact your service provider or operator directly for complete details for setting information, as some service providers or operators do not provide this service.

Be sure to make your settings before you start using E-mail.

Tip

- You can save the text data of the E-mail in the Capture memory as a graphic data (See page 78). When the E-mail is displayed, press .

Note

The maximum size of E-mail that can be sent or received is 2 Kbytes, including the header.

Reading E-mail

After selecting E-mail from Extras select “Read” to connect to your server and display a list of incoming mail. Rotate the Jog Dial to highlight the E-mail that you want to read, press the Jog Dial to read it.

Next :

Read the next E-mail.

Prev :

Read the previous E-mail.

Reply :

Reply to the E-mail by pressing the Jog Dial after selecting the sender.

Writing E-mail

After selecting E-mail from Extras, select “Send” and you can compose an E-mail.

To :

Enter the address.

Subject :

Enter the subject.

Body :

Compose the text of your E-mail.

Press the Jog Dial and select “Send” to send the E-mail.

Note

When entering an E-mail address you can use those stored in the phonebook.

Settings

To send and receive E-mail you need to make the following settings. Enter your E-mail address correctly as indicated by your mail-server manager or your provider.

■ Provider

Dial-up number :

The phone number to dial-up your provider.

User name :

The user name to access your provider.

Password :

The password to access your provider.

Note

It is necessary to enter the Security code before the password screen appears.

Refer to page 66 for details about the password and security code. The default value is 0000.

POP3 server :

The address of the mail server for receiving E-mail.

SMTP server :

The address of the mail server for sending E-mail.

Data call type :

ISDN (V110) and Analogue (V32).

■ E-mail**User name :**

The user name to access your mail server.

Password :

The password to access your mail server.

E-mail address :

Your E-mail address

■ Detail**POP3 port :**

The number of the port for the POP3 mail server. It is normally the regular 110.

SMTP port :

The number of the port for the SMTP mail server. It is normally the regular 25.

Timeout :

Set the amount of time allowed to connect to your mail server.

DNS server :

Set the DNS server according to the provider.


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
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Games

Try out a game to test your skill with the Jog Dial.

Press the Jog Dial forward or  to suspend (pause) and use the Endkey to quit the game.

Tip

- You can save the picture in the Capture memory while playing the game (See page 78). When the desired picture is displayed, press .

“Disk Golf”

Rotate the Jog Dial to view the whole golf course while the left and right arrow icons are displayed. After that, press the Jog Dial to adjust the throwing power displayed on the power meter while considering the wind direction and the distance to the goal. Then release the Jog Dial. While the disk is flying, the buoyancy of the disk can be adjusted slightly by rotating the Jog Dial clockwise.

“Mole hitting”

Move the player left or right to chase a mole by rotating the Jog Dial, and press the Jog Dial to hammer down the mole which pops up in front of the player.

The moving speed of the mole and the score differs depending on the type of character.

“Clay Shooting”

Rotate the Jog Dial to determine your target, then press the Jog Dial to fire the rifle. The more plates you knock down the higher your score.

“Sport fishing”

Rotate the Jog Dial to adjust the length of the fishing line. Press the Jog Dial after the fish has taken the bait with careful timing. After you get a hit keep an eye on the reel and use the Jog Dial to “land that fish!”



MS viewer

You can view the text or bitmap file on the “MagicGate Memory Stick.”

After selecting the MS viewer from Extras menu, press the Jog Dial and then rotate the Jog Dial to select the file to be viewed.

To view the contents of the file, press the Jog Dial. To view the data information in the file, press the Jog Dial backward.


You can use the desired bitmap file as a ScreenSaver.

Notes

- The bitmap file can be displayed up to 96 mm (W) x 72 mm (H) in size with up to 256 colours.
- You cannot write text data onto the “MagicGate Memory Stick” using this phone. To write text data, use the computer connected to the PC card adaptor or Floppy disk adaptor compatible with the “MagicGate Memory Stick.”

Appendix

Troubleshooting

Problem	Possible Causes	Possible Remedies
Unable to switch on	Empty battery	Charge the battery.
	Defective battery	Replace the battery. Note that after several years, gradual decline is normal.
The  icon appears	Weak signal	Move to an open space or nearer to a window.
	Outside GSM coverage area	Check operator coverage map.
	SIM not valid	Call your service provider.
	Network access not allowed	Try manual network search.
Calls not possible	Dialling error	Use full national area code. When abroad, use also international access code to reach home country.
	All calls barred	Check (Password is needed to clear).
	Another SIM inserted	Check for new restrictions.
	Call barring set	Check outgoing call barring settings.
Difficult to hear the other party	—	Adjust earpiece volume, and reduce noise around you.
Phone loses network	Weak signal	Reconnection, or connection to another operator is automatic. Switching phone off and on may accelerate this.
SIM error	Damaged SIM card	Please contact your service provider.
SIM card not registered	Network does not recognise the SIM card	Please contact your service provider.
Not able to receive calls	Call barring set	Check incoming call barring settings.
	Divert set	Check call divert settings.
Security code is unknown	“Entry security code” is displayed	See “Personal lock” page 69.

Error Messages on the Music Function

Follow the instructions below if an error message appears in the display.

Message	Meaning	Possible Remedies
No stick	There is no "MagicGate Memory Stick" inserted.	Insert a "MagicGate Memory Stick."
No Music Data	There is no track on the "MagicGate Memory Stick."	Record audio data onto the "MagicGate Memory Stick."
Memory Stick Error	The "Memory Stick" is not a "MagicGate Memory stick."	Insert a "MagicGate Memory Stick."
Error	The data on the "MagicGate Memory Stick" or the phone itself is defective.	Eject and reinsert the "MagicGate Memory Stick" a few times. If the problem persists, consult your nearest Sony dealer.
Not Supported	Audio data that you attempt to record cannot be recorded due to a newly developed copyright protection technology.	Consult your nearest Sony dealer. If the problem persists, consult your nearest Sony service centre.
Play Time limit Exceeded	Audio data with times limits cannot be played due to excess of the limit.	—
Set the day/time	Audio data with date limits cannot be played due to no setting for date and time.	Set the date and time.
Memory Stick Locked	If the erasure prevention switch of the "MagicGate Memory Stick" is set to LOCK, recording, editing, deleting or formatting cannot be performed.	Slide the erasure prevention switch on the "MagicGate Memory Stick" to OFF.
Battery low	The battery is low, and needs to be charged.	<ul style="list-style-type: none">• Charge the battery pack.• Replace the battery pack.

Message	Meaning	Possible Remedies
Memory full	The “MagicGate Memory Stick” is full and no data can be recorded.	Delete an unnecessary data.
	There are 400 tracks on the “MagicGate Memory Stick” and no more tracks can be recorded.	Delete an unnecessary data.
AVLS	The AVLS is set to “Limit” and the volume cannot be set over a certain level.	Set AVLS to NORMAL
Copyright Problem	The audio source is prohibited from recording by SCMS.	—
	The audio data with limited playback times has reached its limit. Or, the audio data with a limited playback period has expired. The data cannot be played.	—
REC Input Error	The sampling frequency of the audio source is not applied to the recording.	Record the audio source which has an applicable sampling frequency.
	The audio device is not correctly connected to the phone and the digital or analog recording cannot be performed.	Connect correctly.
File Error	Cannot read the data or an error occurred.	Delete the data that has an error and record again.
Please Format Stick	The inserted “MagicGate Memory Stick” contains a data format which is not supported by this phone.	Format the “MagicGate Memory Stick” using the Format function of this phone.

Unblocking the SIM Card

If you enter the PIN code incorrectly 3 times, the SIM card is blocked.

To enter the unblock code (PUK) to unblock the SIM proceed as follows:

- 1 Enter the unblock code and press the Jog Dial (or press **#** *****).
- 2 Enter the new PIN (4-8 digits) and press the Jog Dial (or press **#** *****).
- 3 Enter the new PIN code again and press the Jog Dial (or press **#** *****).

The SIM is unblocked.

Notes

- If you enter the wrong unblock code (PUK) 10 times, your SIM is blocked completely. In this case contact your Network Operator/Service Provider.
- In order to receive more information (SIM and PUK), please contact your Network Operator/Service Provider.

Technical Specifications

E-GSM 900 Mobile Telephone	Class 4 (2 Watts)
GSM 1800 Mobile Telephone	Class 1 (1 Watt)
Frequency Range (Transmission)	880-915 MHz and 1710-1785 MHz
Frequency Range (Reception)	925-960 MHz and 1805-1880 MHz
Weight (including a standard battery)	110g
Size (Flip closed, excluding the antenna part)	90 x 50 x 30
Handset Operating Temperature	-10 °C - +55 °C
Accessories Operating Temperature	±0 °C - +45 °C

Licensing

Your CMD-MZ5 is authorised for use in GSM 900/1800 networks and complies with EU standards.




- This equipment complies with the essential requirements of the Directive 1999/5/EC Radio and Telecommunications Terminal Equipment Directive.
- 95/54/EC “Car Automotive Directive”
Applies to accessories used in vehicles confirmed by the e mark.

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Glossary

“MagicGate Memory Stick”

A compact Integrated Circuit recording medium “MagicGate Memory Stick” equipped with “MagicGate” copyright protection technology.

“Memory Stick”

“Memory Stick” is a portable and compact Integrated Circuit recording medium. There are two types of “Memory Stick”: “MagicGate Memory Stick” equipped with “MagicGate” copyright protection technology and a normal “Memory Stick” not equipped with the copyright protection technology. You can record image files, audio files, and sound files using “Memory Stick” compatible audio visual devices, or record data from the computer. Data with different formats can be stored in the same “Memory Stick.” (Please refer to the instruction manuals that come with the devices to check which format the equipment is able to read.)

For example, you can store image files in the space available on “MagicGate Memory Stick” using the respective equipment even if there are already audio files in “MagicGate Memory Stick.”

SCMS

This phone is equipped with a copyright protection mechanism called Serial Copyright Management System, which allows you to make only a single copy of a digitally recorded source through digital-to-digital connections.

ATRAC3

ATRAC3, which stands for Adaptive Transform Acoustic Coding3, is audio compression technology that satisfies the demand for high sound quality and high compression rates.

The ATRAC3 compression rate is double that of the Mini Disc, resulting in increased data capacity for the media.

SDMI

SDMI which stands for Secure Digital Music Initiative, is a forum that consists of over 130 companies in the fields of recorded audio content, computers, and consumer electronics, dedicated to developing an integrated method of copyright protection technology that can be used worldwide.

SDMI is working to create a framework for preventing improper usage of audio files and to promote legal music distribution services. The copyright protection technologies “OpenMG” and “MagicGate” are based upon the SDMI standard.

MP3

Abbreviation for MPEG-1 Audio Layer3. A standard for audio data compression determined by the Motion Picture Experts Group, which is an ISO (International Organization for Standardization) working group.

It enables compression of audio data to about 1/10 of the data size of a standard compact disc. Since the MP3 encoding algorithm is disclosed, there are various encoders/decoders compliant with this standard, including freeware that is available for no charge. Thus, the MP3 standard is widely used in the computer field.

Bitrate


Quantity, per second, of information. The unit is bps (bit per second). You can choose from 132kbps/105kbps/66kbps when recording a compact disc or converting an MP3/WAV file to an ATRAC3 file. For example, 105kbps means there are 107520 bits of information per second being transferred. The greater the number, the greater the amount of the information. When comparing audio files of the same format, you can enjoy a better sound quality when recorded at 132kbps than at 105kbps, also better at 105kbps than at 66kbps. (Audio files cannot be compared if of different format)

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Quick Access

In standby mode

- To listen to the Voice memo — press **(MEMO)**
- To record your voice — keep **(MEMO)** pressed
- To open the Answering machine menu — keep **(2 ABC)** pressed
- To turn on your Answering machine to accept all calls the flip cover is closed — keep the Jog Dial pressed

When receiving a call

- To turn on your Answering machine — press **(MEMO)**

During a call





- To record your voice — press **(MEMO)**

Music

To Operation of the Jog Dial


Play	Rotate the Jog Dial to select [▶] and press the Jog Dial.
Go backward	While playing, rotate the Jog Dial to select [◀◀] and keep pressing the Jog Dial until you reach the desired location.
Go forward	While playing, rotate the Jog Dial to select [▶▶] and keep pressing the Jog Dial until you reach the desired location.
Stop	Rotate the Jog Dial to select [■] and press the Jog Dial.

Jog Dial

Display Icon	Operation	Function
	Rotate	Scrolls through menu options.
	Press(Click)	Confirms the selected an option (highlighted) in the display. Accepts an entry made with keys.Takes incoming calls when the flip cover is closed.
—	Keep pressed	Dials the phone number selected.
	Press forward	Exits from one menu to the previous screen. Also ends a call.
	Press backward	Opens the “pop up menu”. Also opens help.


Making Calls

From Standby Mode:

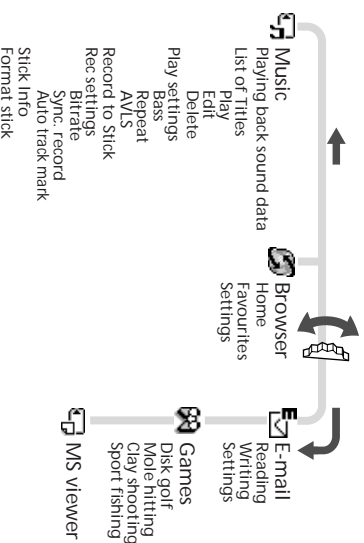
- 1 Dial the complete number of the party you want to call (including the area code even when dialling locally).
- 2 Keep the Jog Dial pressed (or press ) to call the number displayed.

Or, press the Jog Dial to save the number to the Phonebook.

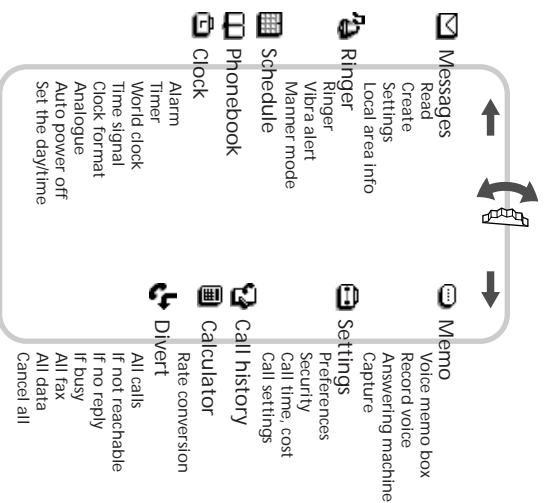
From the Phonebook:

- 1 Rotate the Jog Dial in standby mode to open the Phonebook.
 - 2 Rotate the Jog Dial to select the name you would like to call.
 - 3 Press the Jog Dial to display the phone number and select "Call" and then press the Jog Dial to make the call.
- Or, keep the Jog Dial pressed (or press ) to make the call.

Extras Menu Overview



Main Menu Overview



Sony **on** line

<http://www.world.sony.com/>

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3 2 2 9 2 4 7 1 2