

Phone (M1)

804N provides you with the **voice call** and **video call** services. This section guides you how to make/receive a voice/video call through the following step by step:

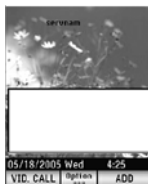
- **Making a voice call**
- **Receiving a Voice Call**
- **During a Voice Call**
- **Making a Video Call**
- **Receiving a Video Call**
- **During a Video Call**
- **Call Logs**

Video call is only available in 3G coverage.

When using the headset, you can start/end a voice call using the switch on the microphone.

When the USIM card installed in your 804N supports the SIM toolkit, the **USIM card** menu icon is displayed instead of the **Phone**.

Making a voice call



1 (Phone) or press the phone number on the Home screen.

Enter the phone number using the keypad.

To correct mistakes, press the **CLR** key briefly to delete the last number or press and hold the **CLR** key to clear all the numbers.

Press to start the call.

Press to end the call.

Pressing or is the final operation to start or end the call for every steps in this section.

To make a call using the Contact list

5 (Contacts) to display the contact list. Search and select the addressee's phone number.

You can press the **Down** key on the Home screen as well.

See **Contacts (M5)** for details.

To make a call from Incoming calls list

Press the **Left** key on the Home screen to display Incoming calls.

Select the phone number on the list.

You can also press **Options** on the Home screen, and press **5 (Call logs)**, then **2 (Incoming calls)**. See **Incoming calls (page 23)** for details.

To make a call from Outgoing calls list

Press on the Home screen to display Outgoing calls. Select the phone number on the list.

You can also press **Options** on the Home screen, and press **5 (Call logs)**, then **1 (Outgoing calls)**. See **Outgoing calls (page 23)** for details.

To make a call from Missed calls list

Press the **Right** key on the Home screen to display Missed calls. Select the phone number on the list.

You can also press **Options** on the Home screen, and press **5 (Call logs)**, then **3 (Missed calls)**.

See **Missed calls (page 23)** for details.

For emergency calls

Even if the phone is locked, you can make emergency calls only to the designated numbers. Follow the steps below to make emergency calls while the key lock is set. Your 804N is unlocked temporarily for the emergency call. (For details about the key lock, see **Locking your 804N (page 14)** or **Security (M86) (page 53)**.)

When the **Keypad lock** is turned on,

- Enter the emergency number 112 and the confirmation screen is displayed.
 - Press **SK1 (YES)** to make an emergency call or **SK2 (NO)** to cancel a call.
- The screen below is displayed until you enter the designated emergency number correctly.*



When the **Dial lock** or **Auto lock** is turned on,

- Enter the emergency number 112 and the emergency call screen is displayed.
- Press **SK1 (SEND)** or the **Enter** key to make an emergency call, or **SK2 (CANCEL)** to cancel a call.
- Besides 112 input, pressing **SK2 (EMRGCY)** and **SK1 (YES)** is also available on the Home screen.

For speed call

- Enter a contact memory number from 2 to 99 and press **Enter** to call the phone number registered for the memory number in the main unit (not the USIM card).
- To turn on/off the speed dial function, press **(MENU)** to select **Settings**, **Calls**, **Advanced settings**, and then select **Speed dial**.
 - If more than one phone number is registered for a memory number, the first number is used to make a call.
 - See the **Calls (M83) (page 50)** section in **Settings (M8)** for details.

For one touch dial

- Pressing and holding a key from 2 to 9 calls the number registered in the One touch dial list.
- To register or edit the number in the One touch dial list, press **(MENU)** to select **5 (Contacts)**, **7 (Settings)**, and **1 (One touch dial)**. You can register phone numbers to 2 to 9 in the list. Voicemail number is preset as 1 and cannot be moved or deleted.

For pause dial

- Enter the phone number, then press and hold **#** to insert a pause (displayed as **P**).

- Input the numbers to call, inserting pauses where necessary. Press **Enter** to dial the input numbers. When the other party answers the call, the next number is automatically dialed in 3 seconds. Then, all succeeding numbers are automatically dialed every 3 seconds.

Receiving a Voice Call



- Press **Enter** or **SK1 (ANSWER)** when you receive a voice call.
 - You can also answer a call by pressing **Options** and **1 (Answer call)** when receiving a voice call.
 - When **Any key answer** function is activated, you can press any key to answer the call except **SK2 (IGNORE)**, **(MENU)**, **i-mode** (**≡**) key, **Up** or **Down** key (including the side key), the **CLR** key, **Ⓢ** and **Options**. (See the section of **Calls (M83) (page 50)**; **Any key answer: (page 50)** for details.)
 - When **Active flip** function is activated, you can answer the call only by opening your 804N. (See the section of **Calls (M83)**; **Active flip: (page 50)** for details.)
 - When the Calling Line Identification (CLI) function has been activated by the caller, the registered image is displayed. (See the section of **Calls (M83)**; **Portrait Display: (page 52)** for details.)
 - When the headset is connected, pressing the headset switch also answers the call.

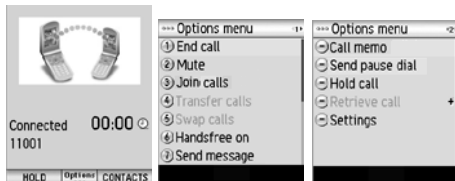
To reject the call

- Press **Ⓢ**, **SK2 (IGNORE)** or **2 (Ignore call)** in the **Options** menu while receiving a call.

When you miss a call

If you miss a call, it is shown as a missed call by an icon on the Home screen. The missed call is saved to the Missed calls list. When you display Missed calls, the icon disappears.

During a Voice Call



Depending on the conditions, some options may be greyed out and not be available

To Switch to a Grouptalk

(When there are six calls on-line and 7th call are held call)

Press **Options** and **Join calls**.

Press **Options**, **Drop** or **Split Call**. Pressing the **SK1 (SPLIT)** splits the selected caller from the Grouptalk and the **SK2 (DROP)** drops the selected caller from the Grouptalk.

To end the call

Press **End** to end the call.

Pressing **Options** to select 1 (**End call**) is available.

To put a call on hold

Press **SK1 (HOLD)** or press **Options**, while talking, to select **Hold call**. The call will be put on hold.

Options menu contains 2 pages. Use the **Right/Left** key to go to the other page.

To retrieve the call, press **SK1 (RETRIEVE)** or press **Options**, while holding, to select **Retrieve call**.

To search the contact list

Press **SK2 (CONTACTS)** to display the **Contacts** list.

See **Contacts (M5)** for details.

To mute the microphone

Press **Options** and select **2 (Mute)**.

To adjust the earpiece volume, press the **Up** and **Down** key (including the side key) to adjust the volume while on a call.

To disconnect from a call waiting service

Press **Options** and select **4 (Transfer calls)**.

If you have two lines connected (one is active and another one is holding), using this function enables you to disconnect two lines and to connect for these two lines.

To switch between the active line and the holding line

Press **SK1 (SWAP)** or select **5 (Swap calls)** from the **Options menu**.

You can switch between the active line and the holding line.

To talk handsfree

Press **Options** and select **Handsfree on**. The speaker turns on and you can talk handsfree.

To send a message

Pressing **Options** and select **7 (Send message)** enables you to send the message.

To record a Call memo

Press **Options** and select **Call memo** to start recording the conversation.

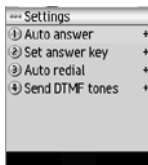
To stop the recording, press the **Enter** key.

Both your voice and the other party's voice are recorded. (20 seconds max.) Five call memos can be recorded in the phone. A call memo is displayed with its date and time of recording

Always ask the other party's permission to record.

You cannot attach call memos to messages.

To activate Settings



- Press **Options** and select **Settings** to change the following functions during talking:

- Auto answer:**
Sets **On** or **Off** for automatic answering.
- Set answer key:**
Selects **1 (Use any key)** or **2 (Send key only)** as the call answering key.
- Auto redial:**
Sets **On** or **Off** for automatic redial.
- Send DTMF tones:**
Sets **On** or **Off** for sending the Dual Tone Multi Frequency (DTMF) signals.

Making a Video Call

When making a Video Call to a Video Capable phone, follow the steps below:

- Press **(MENU) 1 (Phone)** on the Menu screen or to enter the phone number and press **SK1 (VID. CALL)**.

You can enter the phone number on the Home screen as well.

- Hold the camera towards you and talk. Adjust the camera position if necessary.

Handsfree is set by default for video calls.

- Press **End Call** to end the call.

- For setting the options of video calls, see **Video calls (page 51)**.

Receiving a Video Call

- Press **Answer** or **SK1 (ANSWER)** to answer and send the captured image from the active camera to the other party.

You can also answer a video call by pressing **Options** and **2 (Answer (video))** or **3 (Answer (no video))**.

To answer the video call without sending your image, press the **SK2 (NO VIDEO)**. The alternative photo is sent to the other party.

To make a video call using the contact list

- Press **(MENU) 5 (Contacts)** on the Menu screen to display the Contact list.

You can press the **Down** key on the Home screen as well.

- Search and select the addressee's phone number.
- Press **SK1 (VID. CALL)** to dial the phone number.

To Make a video call from Incoming calls list

- Press the **Left** key on the Home screen to display Incoming calls.

You can also press **Options** on the Home screen, and press **5 (Call logs)**, then **2 (Incoming calls)**.

- Search and select the addressee's phone number.
- Press **SK1 (VID. CALL)** to dial the phone number.

To Make a video call from Outgoing calls list

- Press **Outgoing** on the Home screen to display Outgoing calls.

- Search and select the addressee's phone number.

- Press the **SK1 (VID. CALL)** to dial the phone number. (However, only a voice call is made for emergency numbers.)

To Make a video call from the Missed calls list

- Press the **Right** key on the Home screen to display Missed calls.

You can also press **Options** on the Home screen, and press **5 (Call logs)**, then **3 (Missed calls)**.

- Search and select the addressee's phone number.
- Press **SK1 (VID. CALL)** to dial the phone number.

To Reject the incoming video call

- Press  or press **Options** and select **1 (Ignore)**.

During a Video Call

To set the handsfree mode

- Press **Options**, **Other settings** and select **Handsfree on** or **Handsfree off**.
- When the handsfree option is on, the microphone sensitivity increases, and the other party's voice can be heard from the speaker.

To zoom in/out

- Press the **Right** key to zoom in or the **Left** key to zoom out.

To turn the microphone on/off (send/not send your voice to the other party)

- Press **SK1 (MUTE/UNMUTE)** to switch the microphone on and off.
- Alternatively, press **Options**, **Other settings** and **Mute settings**. Select **Mute** or **Unmute**.

To turn your camera on/off (send/not send your image to the other party)

- Press **SK2 (Show me)** to switch the camera on. When the camera is on, press **SK2 (IN/OUT)** to switch the camera direction.
- Alternatively, press **Options**, and then select either **Use live video** or **Use photo instead** (whichever is displayed).

To change the screen display mode

- Press **Options**, **Other Settings** and then **Screen** mode. Select **My side is smaller** (to display your image on the smaller window), **My side is larger** (to display your image on the larger window), **Other side only** (to display only the other party's image) or **My side only** (to display only your image).

 Pressing **SK2 (IN/OUT)** is also available to change the screen mode during a video call.

To change the picture quality

- Press **Options** and **Picture quality**. Select **Standard**, **Better picture** (image quality has the priority) or **Faster movement** (capturing movement has the priority).

To change the night mode

- Press **Options** and **Night mode on** or **off**.

To set the contrast mode

- Press **Options** and **Contrast** settings. Select any from the following:
 - **Much brighter**
 - **Brighter**
 - **Standard**
 - **Darker**
 - **Much darker**

To set the lighting mode

- Press **Options** and **Lighting** settings. Select **Sunny**, **Cloudy**, **Automatic** or **Indoors**.

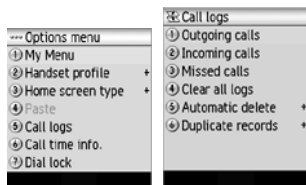
To set the call time duration information

- Press **Options**, **Other settings** and **Show call timer**. Select **Show call timer** or **Do not show**.

To adjust the speaker volume

- Press the **Up** and **Down** keys.

Call Logs



- Press **Options** on the Home screen to select **5 (Call logs)**.

Call logs are lists of call records such as incoming/outgoing/missed calls. Up to 20 entries are saved in each call log. You can make a call using these logs, and do the following from **Call logs** on the **Options** menu.

No	Call logs	
1	Outgoing calls	Displays the calls you made. Pressing  on the Home screen is also available to see this menu.
2	Incoming calls	Displays the calls you received. Pressing the Left key on the Home screen is also available to see this menu.
3	Missed calls	Displays the calls you missed. Pressing the Right key on the Home screen is also available to see this menu.
4	Clear all logs	Deletes all the call log data.
5	Automatic delete	Sets the automatic deletion function Enable/Disable . This function automatically deletes the call logs when you switch off the phone.
	Duplicate records	Selects whether to allow multiple records to/from the same number to be made on the log or not. Select Allow or Do not allow .

If you miss a call, it is shown as a missed call by an icon  on the Home screen. After you display **Missed calls** the icon disappears.

Depending on the conditions, some options may be greyed out and not be available

You can do the following operations when displaying the call records (outgoing/incoming/missed calls). On a call record, press **Options**.

No	Options menu	
1	Send message	Activates the message function.
2	Delete this record	Delete the highlighted call record.
3	Clear this log	Deletes all the call records on the log.
4	Clear all logs	Deletes all the call log data.
5	Use number	Enters the phone number of the record you select on the Home screen. You do not need to press the same number again. You can make a call to the phone number by pressing  .

Depending on the conditions, some options may be greyed out and not be available

Text Entry

This section describes how to enter and edit text. There are four types of text entry:

- Multitap Text (ABC) Input: Where you press each key as many times as needed to display the character you want.
- Numeric Input: Where you enter numbers.
- T9® Text Input: Where intuitive texting predicts the word you are trying to enter.
- Symbol Input: Where you enter symbols, Greek characters, or characters with accents.

 T9® Text Input is covered by the United Kingdom Pat. No. 2238414B, Euro. Pat. No. 0 842 463 (96927260.8) and other patents pending.

 The maximum number of characters allowed in an item or a field is defined as the number of single-byte characters that can be input. When entering double byte characters such as accents (ë, í, ô, etc.) or triple byte characters such as the Euro symbol (€), the maximum number of characters varies accordingly.

To start messaging

- Press any one of the following keys
 - **SK1 (MAIL)** on the Home screen.
 - **(MENU) 2 (Messages)**.
 - **i-mode** () key on the Home screen and **2 (Mail)**.
- Choose SMS or iMail/iMMS using **SK1**. (See **Messages (M2)** for details.)

- Select the text entry field and press the **Enter** key to start inputting text.



SMS



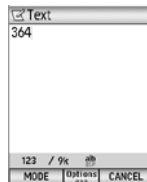
iMail/iMMS

To change the input mode

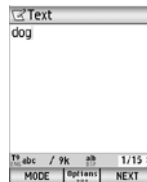
- Every **SK1 (MODE)** you press changes the text entry mode to Multitap Text Input, Numeric Input and T9® Text Input in order.



Multitap Text Input



Numeric Text Input



T9® Text Input

- To insert symbols, press the # key to switch to the **Insert symbols** screen to use Symbol input menu, or press and hold the # key to use Multi symbol input menu. Pressing **Options, 1 (Insert object)** and **1 (Insert symbols)** is also available for Multi symbol input menu. (See **Symbol Input** in this section for details.)

- Press the * key to switch lower case, upper case (shift) and Caps lock.

Multitap Text (ABC) Input

The following example shows how to enter the word “dog” in a text message:

- 1 To enter “d”:
Press the **(3DEF)** key once, then “d” appears.
- 2 To enter “o”:
Press the **(6MNO)** key three times, then “o” appears.
- 3 To enter “g”:
Press the **(4GHI)** key once, then “g” appears.

 Press the **Right** key to move to the next character position.

 Enter the **0** key to select and insert a space.

Numeric Input

Here is the example to enter “364” in a text message after changing to the Numeric Input mode.

- 1 To enter “3”:
Press the **(3DEF)** key; then “3” appears.
- 2 Enter “6”:
Press the **(6MNO)** key; then “6” appears.
- 3 Enter “4”:
Press the **(4GHI)** key; then “4” appears.

 You can also enter numbers using the multitap and the T9® text input modes by pressing and holding the keys.

T9® Text Input

In the T9® text Input mode, you press each key only once, even if the character you want is not the first character on the key.

When you press the keys, different words are suggested. If the word you want is not suggested, you can edit the word and register it in the dictionary for access the next time.

The following example shows how to enter the word “fog” in a text message:

- 1 To enter “fog”:
Press the **(3DEF)** **(6MNO)** **(4GHI)** keys.
The word “dog” should appear.
- 2 To convert and select the word you want:
Press the **Up** and **Down** keys until the word “fog” appears. Then press the **Right** or **Enter** key to enter the displayed word or the **0** key to select and insert a space.
- 3 If the word you want is not suggested, edit the word and register it by using the Multitap Input Mode:
Switch to the Multitap Input Mode by pressing **SK1 (MODE)** and enter “fog”. The word is registered in the dictionary.
If you enter the **(3DEF)** **(6MNO)** **(4GHI)** keys in T9 Text Input Mode the next time, you can select the word fog.

 When the last word candidate is displayed, the **SK1** key is changed to **Spell**. If you could not find the word you want to enter from the candidates, you can display the text entry screen in the Multitap Input Mode by pressing the **SK1 (SPELL)** key and can register the word you want to add to the candidates.

 The T9® word prediction is a feature that helps you type faster and easier. It suggests words you have already used. To accept a predicted word, press the **Right** or **Enter** key.

Symbol Input

To input symbol(s), two menus are available: Symbol input menu and Multi symbol input menu.

By using the Symbol input menu, you can quickly select a symbol and return to text editing, while in the Multi symbol input menu, you can select up to 12 symbols at a time.



Symbol input menu



Multi symbol input menu

Symbol input menu

To open the Symbol input menu, press the $\#$ key in any input modes.

The Symbol input menu is displayed as follows:

- Highlight the line in which the symbol you want is located. You can move the highlighted line by using the **4-way navigation** key.
- Find the keypad number displayed above the symbol and press the key. The temporary symbol menu disappears after inserting a symbol.

You can cancel the temporary symbol menu by pressing the CLR key.

Multi symbol input menu

To open the Multi symbol input menu, press and hold the $\#$ key in any input modes.

Input one or more symbols using the same operation as in the Symbol input menu as described in **Symbol input menu** above. To complete symbol input and return to text editing, press **SK1 (OK)**. To cancel symbol input, press **SK2 (CANCEL)**.

Options

- Press **Options** on the Text entry field and the following functions are available.

No	Settings	
1	Insert object	Inserts the symbols or pictographs.
	1 Insert symbols	(Refer to Symbol Input in this section.)
	2 Insert pictograph	Inserts the pictographs.
2	Input method	Selects the input mode.
	1 T9	(Refer to Multitap Text (ABC) Input , Numeric Input and T9® Text Input in this section.)
	2 ABC	
	3 123	
3	Copy/cut/other	You can copy, cut, delete or replace a block of text.  Before performing this function, move the cursor to the starting point using the 4-way navigation key to specify the starting point on the text entry field.  Pressing and holding the * key also starts this function.  After the block of text is selected, pressing SK1 to copy or SK2 to cut the block is available.  You can also use Options to choose the functions from Copy , Cut , Delete , Replace or New selection .  Pressing Options and Replace allows you to replace the selected text by the text on the clip board.

No	Settings	
4	Paste	You can paste cut/copied text after using the Copy or Cut function.  <i>Before performing this function, move the cursor using the 4-way navigation key to a specific point.</i>  <i>Pressing and holding the * key enables use of SK2 (PASTE) to paste cut/copied text</i>  <i>You can paste copied/cut text into other applications.</i>
5	Editing options	Sets Write mode (Insert/Overwrite) and Clear mode (Backspace or Delete).  <i>In Backspace mode, you can delete characters before the cursor. In Delete mode, you can delete characters after the cursor.</i>
6	New line	Inserts a new line in the text.  <i>Before performing this function, move the cursor to the insertion point of the new line.</i>  <i>Pressing the # key twice also inserts a new line.</i>
7	T9 language	Selects a language for T9® Text Input. Seven types of language are available (English, Italian, German, French, Spanish, Greek and Dutch).



Depending on the conditions, some options may be greyed out and not be available

Contacts (M5)

This section describes how to work with **Contacts**.

Contact Entries

Up to 500 entries can be registered in the handset contact list. Up to 254 entries can be read from the USIM contact list, depending on your USIM card.

To add a new entry to the contact list



- Press **1 (Add contact)** on the **Contacts** screen.

You can also open the **Add contact** screen by pressing **Options** on the **Handset contacts** or **USIM contacts** screen.

- To start **Handset contacts** or **USIM contacts**, press **2 (Handset contacts)** or **3 (USIM contacts)** on the **Contacts** screen

- Or press **Down** on the Home screen, then **Options** and select **Add contact**.

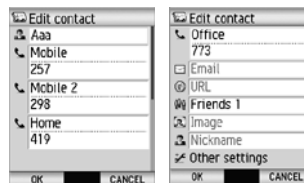
- Fill in data on the displayed **Add contact** screen and press **SK1 (OK)**. The data you entered is saved as a contact entry.

Add contact provides the following fields to be entered:

- Folder field to be stored:
 - Handset contacts** (500 entries max.)
 - USIM contacts** (254 entries max.)
 - Own no.** (10 entries max.) for your phone number
 - Mailbox** (4 entries max.) for voice/video mail centre
 - Ignored** (100 entries max.) for call rejection
 - Fixed** (30 entries max.) for call restriction
- Name field

- Phone number and type field
- Email address field

To edit an entry stored



- Press **2 (Handset contacts)** or **3 (USIM contacts)** on the **Contacts** screen.

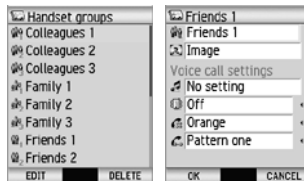
You can also choose the folders from **6 (Other folders)** which provides **Own no.**, **Mailbox**, **Services**, **Ignored** and **Fixed**.

- Select the entry and press **Options**.

Pressing the **Enter** key twice is also available after selecting the entry.

- Edit the profile and press **SK1 (OK)**.

To edit a contact group



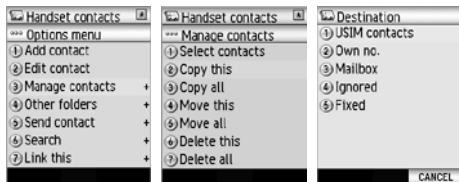
- Press **5 (Contact groups)** on the **Contacts** screen and select a contact group name to press **SK1 (EDIT)**.

You can edit data only when containing one or more entries in one group.

- Fill in the profile data.

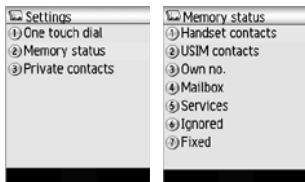
 You can edit the group name, set a group image and select ringtones, illumination color and vibration patterns for incoming voice calls, video calls or messages from a member of that group.

To Copy, Move or Delete the entries



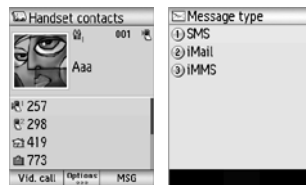
- Choose the folder (**Handset contacts**, **USIM contacts** or **other folders**) containing the entry to be handled, and select it to press **Options**.
 - Select **3 (Manage contacts)** and choose any one you want to perform from **2 to 7**.
 - Select the destination folder to copy or move the entry, and press the **Enter** key.
-  If you want to perform **Copy all**, **Move all** or **Delete all**, pressing **4 (Manage contacts)** is also available.

To display the contact memory status



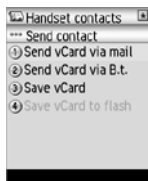
- Press **7 (Settings)** and select **2 (Memory status)**.
- Select any one you want to check the status from **1 to 7**.

To write a message from a contact list



- Select the entry then press the **Enter** key.
- Highlight the phone number or email address and press **SK2 (MAIL)**. You can send the message by SMS, iMail or iMMS.

To send the Contact data



- ☑ Select the entry.
- ☑ Press **Options** to select **5 (Send contact)**, and choose a message type you want to send from 1 to 4.
- ☑ *You can only send contact data which is stored on the Handset contacts list.*

The following shows the data that you can enter under a name in the **Handset contacts** or **USIM contacts** lists

☑ Upper and lower cells describe Handset contacts and USIM contacts, respectively.

No	Add contact	
1	Name	(32 single-byte characters max.)
		Can be registered, edited and deleted.
2	Nickname	(32 single-byte characters max.)
		-
3	Image	One image file
		-
4	Phone number	Up to four phone numbers (32 digits max. for each) Up to 33 digits can be entered per phone number when it includes the international code "+".
		One or two phone numbers (This item can be registered, edited and deleted.)
5	Email	Up to 3 email addresses
		☑ Though an email address can contain up to 90 single-byte characters when you register the Contact entry, it is limited to 50 single-byte characters when you send video calls.
6	URL	Only one email address with up to 90 single-byte characters
		One homepage address (256 single-byte characters max).
7	Handset groups	-
		Choose from 16 groups

Multimedia centre (M6)

This section describes how to use multimedia centre on your 804N to capture and play back multimedia files. You can also use it to play back files that have been downloaded or sent to you.

Capture

To take a photo/make a video

- Press **(MENU) 6 (Multimedia centre)** or press **SK2 (CAMERA)** on the Home screen.
- Press **1** (select **Take photo**) to take a photo, or press **2** (select **Make video**) to make video.
- Press **SK1** to switch between **Photo** and **Video**



Take photo

Make video

- To start recording, press the **Enter** key.
- To turn the zoom function on/off, press the **Right** or **Left** key.
- To adjust the exposure rate, press the **Up** or **Down** key.
- To stop recording, press the **Enter** key again.
- The capture complete screen appears. You can do the following from this screen.
 - Press **SK1 (SEND)** to send the file attached to iMail/iMMS.
 - To return to the capture preview to take a new photo or make a new video, press **SK2 (BACK)**.
- you can use the options of **Send as message**, **Rename** and **Delete**.

To understand the **Option** settings for your 804N's camera, read the following table.

Setting items	Camera function	
	Video	Photo
Recording mode	PHOTO VIDEO	
Zoom	OFF/ON 8 levels max.	OFF/ON 8 levels max. (zooming available while shooting)
Exposure compensation	+2, +1, 0, -1, -2	
Camera direction	IN (Inward camera) OUT (Outward camera)	
File size limit	(File size) 300KB Unlimited	
Size	(Capture size) QCIF (176 x 144)	(Capture size) <i>Inward camera:</i> • CIF (352 x 288) • QCIF (176 x 144) • CLI and icon (160 x 160) • SQCIF (128 x 96) • Wall Paper (240 x 270) <i>Outward camera:</i> • SXGA (1280 x 1024) • VGA (640 x 480) • CIF (352 x 288) • QCIF (176 x 144) • CLI and icon (160 x 160) • SQCIF (128 x 96) • Wall Paper (240 x 270)

Setting items	Camera function	
	Video	Photo
Picture quality	High Standard Economy	High Standard Economy
Night mode	OFF ON	
Lighting settings	Sunny Cloud Automatic Indoors	
Self timer	-	Self timer on (10 sec fix.) Self timer off
Sound settings	Video with sound Video only	-
Display size	Do not enlarge enlarge	
Memory location	Handset Card	
Shutter sound	Shutter sound 1 Shutter sound 2 Shutter sound 3	

Recording sound

The voice recorder feature allows you to record a message while you are not online. The recording time is 180 seconds (or 300KB). The recorded voice is automatically saved as an AMR file which can be attached to **iMail/iMMS**.

To use the voice recorder

- Press **3 (Record sound)**.
- To start recording, press the **Enter** key
- To stop recording, press the **Enter** key again.
- After the recording complete screen appears, press **SK1 (SEND)** to send the recorded voice file attached to a message or the **SK2 (BACK)** to go back to the start recording screen.

ℹ If 804N stores several recorded files, pressing **SK2 (PLAY)** plays sound sequentially from the latest file.

Viewing an image

The image viewer function of **Multimedia centre** allows you to view JPEG, GIF, PNG, BMP, WBMP and SWF image files. The image files can be captured by the phone, downloaded from a browser or received attached to a message. 804N allows you to view all the files in a selected file.

To use the image viewer

- Press **4 (View images)** or select **View images** on the Multimedia screen

The following Options menu are available for **View images**.

No	Options menu	
1	Set as wallpaper	Sets the selected image as wallpaper. All supported image files are available for setting.
2	Visual effects	Apply visual effects to the displayed image. Select Negative image , Sepia tone , Mirror image , Soften image , Sharpen image or Emboss . If the animation GIF is displayed or the slideshow is set to ON, this option cannot be selected. Press SK1 (SAVE) to save the change to the image or SK2 (UNDO) to cancel the change. ℹ Visual effects is available only when the SQCIF (128x96) and QCIF (176x144) size images are displayed.
3	Edit name	Edits the file name.
4	Delete	Deletes the selected file.
5	Playlist	Selects the playlist.
6	File properties	Displays information about the file

No	Options menu	
7	Image settings	Display settings: Selects to display the image in Default size or Fit to screen. Slideshow timing: Sets the interval between each image for one to 30 seconds. The Enter key is available to pause or play a slideshow. Repeat settings: Turns the repeat function on/off and selects the repeat target. Select Repeat on or Repeat off. This function repeats the playlists on the View image. This function is also valid for slideshows. Slideshow: Turns on/off the slideshow function that displays all images in the folder. Select Slideshow on or Slideshow off. Play again: Replays from the first frame when selected (only when the Flash file (.swf) is playing).

To view an image file

- Display the image file list screen from **View images**.
- Select an image file from the file list. To select a playlist, select an image file from the file list and select **Playlist** from the **Options menu**.
- Use the **Right** key (next) or **Left** key (previous) to display the file.
- Using the **Up** key enlarges the screen in full scale mode. Using the **Down** key returns to the normal scale.
 - 🔍 Full scale mode is only available when setting the **Slideshow** function to **Slideshow off**.
- To attach the file to a message, press **SK1 (SEND)**.
 - 🔍 **SK1 (SEND)** is not displayed when the attached file is larger than 299KB file or is prohibited for transfer.
- To edit the file name, press **Option** to select **2 (Edit name)**.
- To end **View image**, press **Clear**.

Playing video and audio

You can play the following type of files captured by the phone, downloaded from a browser or received attached to a message. 804N allows you to play all the files in a selected file.

- Video files; MPEG4, WMV and H.263
- Audio files; AAC, WMA, MP3, WAV (PCM), MIDI and AMR

🔍 If you download a file using the browser or receive/send a message while playing video/audio, the sound may be interrupted.

To play a video or audio file

- Press **5** (select **Play video**) or **6** (select **Play music**) to display the video or audio file list screen.
- To select a playlist, select a video or audio file from the file list and select **Playlist** from the **Options menu**.
- Do any of the following:
 - To pause the file, press the **Enter** key.
 - To stop the file, press and hold the **Enter** key while playing.

- To fast forward, press and hold the **Right** key while playing or pausing.
- To rewind, press and hold the **Left** key while playing or pausing.
- To skip to the next or previous file, press the **Right** key (next) or **Left** key (previous).
- To repeat, press **Options** to select **Repeat settings** and **Repeat on**.
- To control the sound volume, press the **Up** or **Down** key, and the side key as well.
- To send the file as a message, press **SK1 (SEND)**.
 **SK1 (SEND)** is not displayed when the attached file is larger than 299KB file or is prohibited for transfer.
-  Some files may be with copyrighted settings and thus cannot be sent out of the phone.
- To replay a file from the beginning after you start playing, press the **Left** key.
-  Note that you can only do this if the play time is two seconds or more.

The following Options menu are available for **Playing video and audio**.

No	Options menu	
1	Ringtone	Changes the ringtone settings for each phone mode: Standard profile , Meeting profile , Outdoor profile and Car profile . Ringtones are available in each mode for Voice call , Message received and Video call .
2	Mute settings	Turns the mute function on/off. This function turns off 804N's speaker and the headset.
3	Rename	Edit name : Edits the file name. Use title as name : If the file has its own title, you can use it as a file name.
4	Delete	Deletes the selected file.
5	Playlist	Selects the playlist.

No	Options menu	
6	File properties	Displays information about the file
7	(For video files) Video settings (For audio files) Music settings	Fit mode: You can enlarge the video size to fit on the video frame.  <i>When enlarging the video size, stop the video first and change the setting.</i> Repeat settings: Turns the repeat function on/off and selects the file to be repeated. Select Repeat on or Repeat off. Play all videos: Sequential plays all video files in the folder. Repeat settings: Turns the repeat function on/off and selects the file to be repeated. Select Repeat on or Repeat off. Play all music: Sequential plays all audio files in the folder. Change animation: You can choose and select an animation from 4 items.

Playlists

You can create a list of images, video or audio files to play successively and save them as a playlist. You can create 20 playlists, each containing up to 20 files in the phone memory and 50 playlists, each containing up to 100 files in the memory card. You can add a new playlist by pressing **SK1 (ADD)**.

The following operations are available for the playlists under **View image**, **Play video**, **Play music** and **Play sound**.

No	Options menu	
1	Add new playlist	Adds a new playlist when you press SK1 (ADD) or select Add new playlist from the Options menu .
2	Edit playlist	Adds a file to a playlist or deletes a file from a playlist. Select Edit playlist from the Options menu and press SK1 (ADD) to add a file or SK2 (DELETE) to delete a file.
3	Switch memory	Switches between the handset memory and the memory card.
4	Edit playlist name	Edits the highlighted file name in the playlists.
5	Delete	Deletes the selected playlists. If no playlist is available, Delete cannot be selected.
6	Delete all	Deletes all the playlists. If no playlist is available, Delete all cannot be selected.

In addition, the following submenus are available for playlists in each of the options above: **Add file**, **File properties** (displaying the file information depending on the file type), **Sort playlist files** (ascending or descending order **By name** ↑/↓, **By date** ↑/↓ and **By size** ↑/↓), **Move file**, **Delete** and **Delete all**.

 You can store the **Playlist** data. Using **SK2** or **Options menu** switches between **Handset** and **Card**.

File manager (M3)

You can manage all of your captured and downloaded files from the **File manager** function.

You can run files that have supported formats, copy, move, delete and sort them as well as previewing image files (thumbnails), showing file properties, creating shortcut and attaching files to messages. In addition, you can create uniquely-named folders to manage the files.

Memory/Memory card

The following shows the folders under **Memory** or **Memory card** (TransFlash memory card) and the information that may help your file management.

 804N provides two memory storage places, **Memory** and **Memory card**, and each has the following folders.

No	Memory/Memory card	
1	Video files	Stores the downloaded and captured video files. Five user folders can be created under Video files with up to 100 files. My videos is the default folder.
2	Image files	Stores the downloaded and captured image files. Five user folders can be created under Image files with a total of 100 files. My photos is the default folder.
3	Music files	Stores the downloaded audio files. Five user folders can be created under Music files with up to 100 files.
4	Sound files	Stores the downloaded and captured voice files.

No	Memory/Memory card	
5	Other files	Stores the downloaded files with formats other than the above four types of files. Text files are stored here too. (You can activate the viewer by selecting a text file.) Up to 100 files can be stored under this folder. No user folders can be created in this folder. vCalendar and vCard files are also stored in Other files.

To manage your files, the following options are available.

No	Options menu	
1	Send as message	Sends the highlighted file attached to a message.  Downloaded files with copyrighted settings cannot be sent from the phone.
2	New folder	Creates a new folder in the selected folder: Video files/Image files/Music files/Sound files/Other files . The default folder name starts "NEW".  Folder names must be unique.
3	Rename	Renames the file/folders. Two options are available; one can be edited by users and the other can automatically be renamed with the contents title for the audio/video files.  Up to 127 single-byte characters can be used for a file name. For a folder name, up to eight single-byte characters can be specified.  You cannot rename files that are with copyrighted settings.
4	Copy	Copies the highlighted file/multiple files/folders to another folder.  Up to 100 files can be selected at one time.

No	Options menu	
5	Move	Moves the highlighted file/multiple files/ to another folder.  Maximum of 100 files can be selected at one time.
6	Delete	Deletes the highlighted file/multiple files/folders.  Up to 100 files can be selected at one time.  When an open file is included in the selected files to delete, the delete operation does not complete.
7	File properties	Displays the file information of the highlighted file: date, size, title (displayed if any), file name (always displayed), attribute, copy permission, message transfer permission and play restriction information.
8	Switch memory	Switches between Handset and Memory card.
9	Sort files	Sorts the files in order of file name (By name), date (By date) and file size (By size). (Files are displayed in file name order by default.)
10	Thumbnails	Switches to/from list display (Show list) or thumbnail (Show thumbnail) display.
11	Memory status	Displays the amount of free/used memory space in the handset in bytes.
12	link this	Create shortcut on the Home screen and in the My Menu list. Select Add to Home or Add to My Menu. Pressing SK1 (LINK THIS) on the list screen also creates a shortcut for the selected file.



Depending on the conditions, some options may be greyed out and not be available

Radio Frequency (RF) Signals

THIS MODEL PHONE MEETS THE U.S. GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone contains a radio transmitter and receiver. Your phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the U.S. government-adopted requirement for safe exposure. The tests are performed on position and locations (for example, at the ear and worn on the body) as required by FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 0.906 W/kg, and when worn on the body, is 0.157 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the U.S. government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section at <http://>

www.fcc.gov/oet/fccid after search on FCC ID GKRKMP7N2H1.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

* In the United States, the SAR limit for wireless mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. SAR values may vary depending upon national reporting requirements and the network band.

FCC Regulations:

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

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

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.