

Displaying the Contacts list sorted by last name/first name

You can choose to sort the Contacts list by contact's last name or first name.

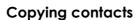
- Main menu > Contacts > Advanced > Display by
- 1. Select First name or Last name

Memory status

You can see the amount of memory available in the Contacts list.

Main menu > Contacts > Advanced > Memory status

Note: The amount of memory for SIM storage depends on your SIM card. To decrease the amount of phone memory used, delete unwanted data or store data on your PC (see "CD-ROM" on page 152).



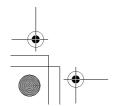
You can copy all the contacts from SIM card to phone, or from phone to SIM card.

Copying all the contacts from SIM card to phone

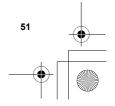
- Main menu > Contacts > Advanced > Copy all from SIM
- 1. "Copy?" → [**③**]/[**□**] (Yes)

Copying all the contacts from phone to SIM card

- Main menu > Contacts > Advanced > Copy all to SIM
- 1. "Only Name and Number fields can be copied. Continue?" → [⑥]/[**□**] (Yes)



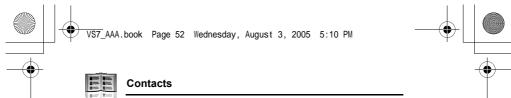












Deleting Phone Contacts

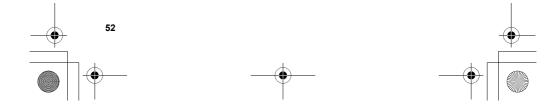
You can delete all the contacts stored in your phone.

- Main menu > Contacts > Advanced > Delete all
- "Delete all contacts in phone?" → [□] (Yes)
- 2. "Are you Sure?" → [□] (Yes)

Service numbers &

If your SIM card includes SDN (Service Dialling Number), you can call a service number by selecting from the list. SDN enables you to access special services provided by your network operator, such as customer support, emergency services, etc.







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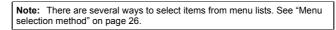


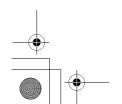
Messages menu structure

Create new	55
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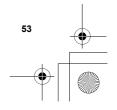
Voicemail Call Voicemail Set mailbox number	66
Messages settings SMS	67
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Creating a new message

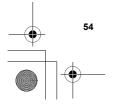
Messaging types

SMS	Short Message Service allows you to send and receive short text messages on any network that has roaming agreement. (Dependent on the recipient's phone parameters.) With the Illumination feature, you can express special feelings in a message.
MMS	Multimedia Messaging Service allows you to send messages containing text, pictures, sound and video clips from your phone to other MMS-enabled phones or e-mail addresses. The recipient can play it as a slide show.

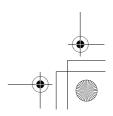


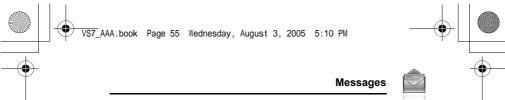
Note: The message centre number for SMS should be preprogrammed on the SIM card. Changing this number (see **Message centre** setting on page 67) may cause failure of a text message.

Your phone may have already been set with an MMS profile when purchased. To change the settings of the profile, see **Advanced** setting on page 68.







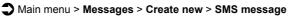


Creating an SMS message

- Main menu > Messages > Create new > SMS message
- Create text message → [⊚]
 See "Text entry" on page 36 for entering text.
- To enter recipient's phone number directly: Enter number
 To select recipient's phone number from Contacts: [♠] →
 Highlight the required contact → [♠] (Select) → If the card has
 several phone numbers stored, [♠/▼] to scroll to the required
 number → [♠]/[➡] (Select)
- 3. [] to send the message

Creating an Illumination message with emoticons

With the Illumination feature, you can express special feelings in a message. The Indicator/Illumination Light responds to the pictographs in an Illumination message and light in combinations of colours and light patterns when you receive and view an Illumination message.

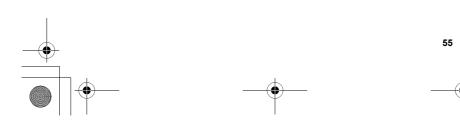


- Create text message
- 2. [□] (Options) → Select Templates
- 3. Select Illumination templates
- **4.** Select the required emoticon See "Emoticon list" on page 56.

To preview the Illumination of the messages you create:

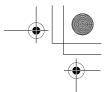
[☐] (Options) → Select Preview illumination

Note: Only recipients who have an Illumination message capable phone can view messages with Illumination.











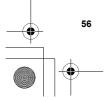
Messages

Emoticon list

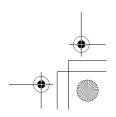
Emoticon	Indicator Colour	Light Pattern
:-)		Α
:-D	0-10	A
>:-<	Colour 3	
:-		В
:*		
0:-)	Colour 6	Α
:-P		С
:'(Colour 1	В
:-(Colour 1	Α
:-/		A
: . s	Colour 5	В
Ξ		С
<u>^.</u>	Colour 2	Α
8-)		
=:-)	Colour 4	В
:-0		
:()		С
:-I	Colour 7	J
I-(Α
;-)		А

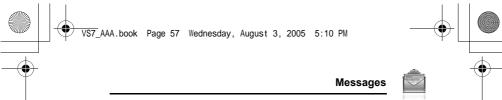
Emoticon	Indicator Colour	Light Pattern
\^o^/		Α
(^_^)	Colour 3	A
\(>o<)/	Colour 3	
(>-<#)		В
^3^		
(0^-^0)	Colour 6	Α
(*~o~*)		Κ.
(;_;)	Colour 1	В
(T_T)	Colour 1	Α
(?_?)	Colour 5	Κ.
(>_<)		В
(;		С
(^w^)	Colour 2	Α
^&^	Colour 2	
(@_@)	Colour 4	В
(*o*)		
p(^-^)p		Α
()	Colour 7	С
()Zzz		Α
(^_~)"	Colour 8	A

- Pattern A: [Firefly] flickers slowly for about 4 seconds.
 Pattern B: [Flash] flickers fast for about 3 seconds.
 Pattern C: [Beam] lights for about 3 seconds.





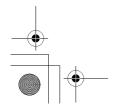




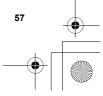
Options

When creating a text message, the following options are available by pressing [__] (Options).

Send	Send the text as an SMS message.	
Send to many	Send the text to more than one recipients.	
Preview illumination	Preview illumination message.	
Templates	Select Illumination templates to create an illumination message or User templates to use the stored text templates.	
Count message	The long message may be divided into several messages. You can check the concatenated message number.	
Save	Save the message in Unsent folder.	
Use contacts	Access Contacts menu to use Contacts data.	
Copy/Cut/Paste	Copy, cut or paste the text.	
Add symbol	Show the Symbol list from which you can select any symbol available on your phone.	
Input method	Select the input method.	
T9 on/off	Turn On or Off the predictive dictionary.	
Input language	Select a language you wish to write in.	
My dictionary	Add words to the internal dictionary.	
Exit	Exit the text edit mode.	



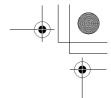














Messages

Creating an MMS message

- Main menu > Messages > Create new > MMS message
- 1. Select Add picture, Add text, Add sound or Add video
- If Add text is selected: Create text message → [♠]
 See "Text entry" on page 36 for entering text.
 If Add picture/Add sound/Add video is selected: Select the required item stored to My Media → [▶] (Select)

You can also download new files, take new pictures, record new sound

- or video clips for the MMS message.

 3. To add more than one picture, text, sound or video clip, [▲/▼]
- 4. Repeat steps 1-3 if required

To send the message:

- 5. $[] (Options) \rightarrow Select Send$
- **6.** [▲/▼] to scroll to Add subject → [●]
- 7. Enter subject \rightarrow [\bigcirc]
- 8. $[\blacktriangle/\blacktriangledown]$ to scroll to Add recipient \to $[\circledcirc]$

to scroll to Slides \rightarrow [\bigcirc] \rightarrow [\bigcirc] \prime [\bigcirc] (Yes)

- 9. Select From contacts, Enter number or Enter email address
- 10. If From contacts is selected: Highlight the required contact → [□] (Select) → If the card has several numbers stored, [▲/▼] to scroll to the required number → [⑥]/[□] (Select)

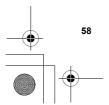
If Enter number/Enter email address is selected: Enter number/email address \rightarrow [\odot]

11. $[\blacktriangle/\blacktriangledown]$ to scroll to **Send** \rightarrow $[\circledcirc]$

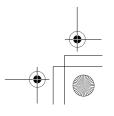
Note: When you select ${\bf Add}$ video and record a new video clip in step 2, the recording time is fixed to ${\bf For}$ ${\bf MMS}$ sending.

You cannot attach a video clip together with a picture file or sound clip to one slide.

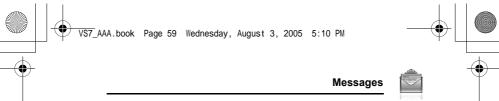
For downloading contents, visit http://box.panasonic.com/











Slide options

When **Slides** is highlighted, the following options are available by pressing $[\]$ (Options).

Add new	Add a new slide.	
Send	Send the MMS message after entering subject and recipient number or address.	
Slide duration	Specify duration of the slide.	
Remove slide	Remove the slide from the MMS message.	
Preview slide	Preview the MMS message as a slide.	

Receiving messages

Receiving SMS messages

When you receive a new SMS message, the message icon (🖹) is displayed along with a tone, illumination, and/or vibration. The SMS notification also appears on the standby screen. When **One push SMS** setting is set to **On** (see page 67), new SMS messages can be displayed by opening the flip. You can also check received SMS messages on the Front display.

Reading SMS messages

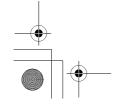
When an SMS notification is displayed on the standby screen:

1. [**⑥**]/[**□**] (View)

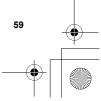
If there is more than one notification, $[\blacktriangle \iota \blacktriangledown]$ to scroll to **New SMS** before step 1.

If there is one SMS message, the message is automatically displayed.

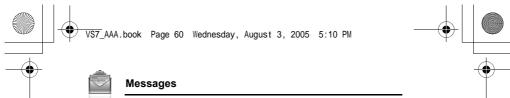
- If there is more than one SMS message, [▲/▼] to scroll to the required message header in SMS Inbox → [⑥]
- When the message is displayed, [] to show the message details (sender's number, date, message centre's number) if required











Receiving MMS messages

When you receive a new MMS message, the message icon () is displayed along with a tone, illumination, and/or vibration. The received MMS messages are stored in Inbox.

Reading MMS messages

To read the received MMS messages, see "MMS Inbox" on page 62.

Note: If you do not want to receive MMS messages automatically, select **Never** in **Auto download** setting (see page 68). In this case, you will receive a message notification first, and then you will need to receive messages manually.

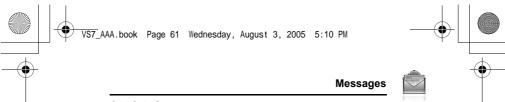
Inbox

Inbox stores received SMS and MMS messages.

→ Main menu > Messages > Inbox Numbers in brackets show the number of unread messages and the total number of messages in each inbox.







SMS Inbox

SMS message icons



Read message

Reading SMS messages

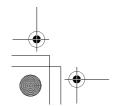
- Main menu > Messages > Inbox > SMS
- 1. [▲/▼] to scroll to the required message header → [⑥]
- 2. [] to show the message details (sender's number, date, message centre's number) if required

Options

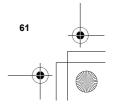
When viewing the list of messages or the selected message, the following options are available by pressing [[(Options).

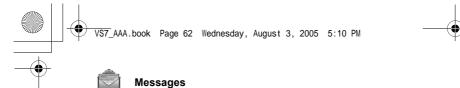
Reply	Create reply message in SMS or MMS.	
Forward the selected message.		
Call	Call the sender's number.	
Add to contacts	ntacts Store the sender's number to Contacts.	
Use detail* ¹	Use phone number, e-mail or web address in the selected message to call, create message, add to Contacts, etc.	
Delete	Delete the selected message.	
Delete all*2	Delete all the SMS messages.	
View illumination*1	Check the illumination of the message.	

 $^{^{\}star 1}$ Available only when viewing the selected message. $^{\star 2}$ Available only when viewing the list of messages.









MMS Inbox

MMS message icons



Reading MMS messages

→ Main menu > Messages > Inbox > MMS

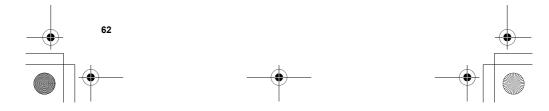
1. $[\triangle / \nabla]$ to scroll to the required message header $\rightarrow [\bullet]$

Options in the message list

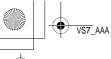
When viewing the list of messages, the following options are available by pressing $[\sqsubseteq]$ (Options).

Reply	Create reply message by SMS or MMS .
Reply to all	Create reply message to all recipients.
Forward	Forward the selected message.
Call	Call the sender's number.
Add to contacts	Store the sender's number or e-mail address to Contacts.
Delete	Delete the selected message.
Delete all	Delete all the MMS messages and notifications.
Protect/Unprotect	Protect or unprotect the selected message.
Details	Show details for the selected message.

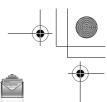
Note: Sending or editing of a forward locked file indicated by the icon (♠**X**) is restricted.













Options while viewing messages

When viewing the message, the following options are available by pressing [] (Options).

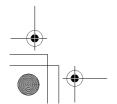
Reply	Create a reply message by SMS or MMS.	
Reply to all	Create a reply message to all the recipients.	
Play again	Play the selected message.	
Message font size*1	Select the required font size.	
Save picture	Save the attached picture to My Media.	
Save sound	Save the attached sound clip to My Media.	
Save video	Save the attached video clip to My Media.	
Use the phone number, e-mail or web add the selected message to call, create mess add to Contacts, etc.		
Attached files	Show the attached files.	



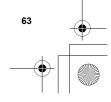
Options for notification

When the notification is highlighted, the following options are available by pressing [\blacksquare] (Options).

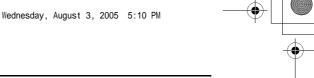
Receive	Receive new messages.	
Forward	Forward the message.	
Reject	Delete the notification from the message list and the message from the server.	
Call	Call the sender's number.	
Delete all	Delete all the MMS messages and notifications.	
Protect/Unprotect	Protect or unprotect the message.	
Details	Show details for the selected message.	













Messages

Archive stores SMS and MMS messages that are sent or waiting to

	Sent	Store sent SMS messages.
SMS	Unsent	Store undelivered and unfinished SMS messages.
	Sent	Store sent MMS messages.
MMS	Outbox	Store undelivered MMS messages.
	Drafts	Store unfinished MMS messages.

Viewing messages

- Main menu > Messages > Archive > SMS or MMS
- 1. Select the required folder
- **2.** $[\blacktriangle / \blacktriangledown]$ to scroll to the required message $\to [\circledcirc]$

Options for SMS

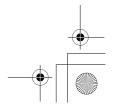
In Sent and Unsent folders, the following options are available by pressing [__] (Options).

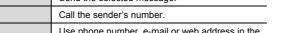
Send	Send the selected message.
Call	Call the sender's number.
Use detail*1	Use phone number, e-mail or web address in the selected message to call, create message, add to Contacts, etc.
Delete	Delete the selected message.
Delete all*2	Delete all the SMS messages in the folder.
View illumination*1	Check the illumination of the message.

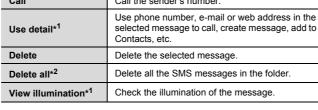
- *1 Available only when viewing the selected message.
- *2 Available only when viewing the list of messages.

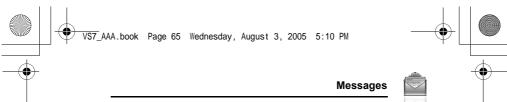












Options for MMS

In Sent, Outbox and Drafts folders, the following options are available by pressing [] (Options).

Edit	Edit the selected message.
Forward* ¹	Forward the selected message.
Send* ²	Send the selected message.
Delete	Delete the selected message.
Delete all	Delete all the messages in the folder.
Protect/Unprotect	Protect or unprotect the selected message.
Details	Show details for the selected message.



^{*1} Available only in Sent folder.
*2 Available only in Outbox and Drafts folder.

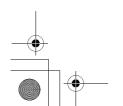
Web mail

Web mail is an innovative service that lets you stay up-to-date with all of your messages. You need to subscribe to this service. For further information, contact your service provider.

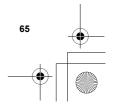
Connecting to internet mail

Main menu > Messages > Web mail
Your phone is connected to the Internet via a WAP connection to retrieve e-mail messages.

1. Follow the screen contents

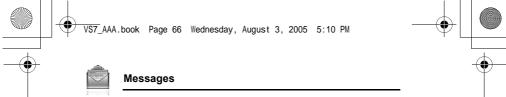












Chat

Chat lets you enjoy the fun of instant messaging wherever you are. It's the fun way to chat on-line. For further information, contact your service provider.

- → Main menu > Messages > Chat
- 1. Follow the screen contents

Voicemail

Voicemail is a network service which allows callers, who could not reach you, to leave voice messages. You may need to subscribe to this service. For further information, contact your service provider.



Retrieving stored voice messages

When a new voice message is stored, an alert sounds and () appears on the display, and you receive an SMS notification.

When an SMS notification is displayed on standby screen:

- **1.** [**●**]/[**□**] (Call)
- 2. Follow the recorded instructions

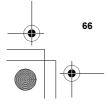
OR

- Main menu > Messages > Voicemail > Call Voicemail
- 1. Follow the recorded instructions

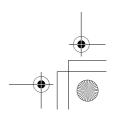
Shortcut: You can also press and hold [1] in standby mode to call your

Changing the voice mailbox number

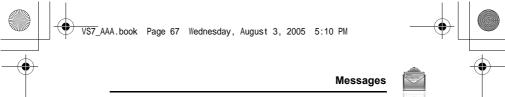
- Main menu > Messages > Voicemail > Set mailbox number
- **1.** Enter new voice mailbox number $\rightarrow [\ \]/[\ \]$ (Ok)











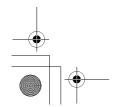
Messages settings

SMS settings

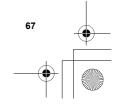
Main menu > Messages > Messages settings > SMSSelect the required setting

Message lights	Decide whether or not you want the Indicator/ Illumination Light to illuminate when receiving an illumination message.
Message lights view	Decide whether or not you want the Indicator/ Illumination Light to illuminate when viewing an illumination message.
Message centre	Edit the message centre number.
Message type	Select the required message type.
Validity period	Set a time period for the message centre to attempt message delivery. Select 1 hour, 12 hours, 1 day, 1 week, 1 month, 3 months or Maximum.
Delivery report	Select On to receive delivery reports.
Store sent SMS	Select On to store sent messages to the Sent folder.
Message font size*1	Select the required font size.
Bearer type	Select the data bearer type.
One push SMS	Select On to display new SMS messages by opening the flip.



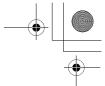














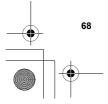
Messages

MMS settings

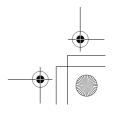
- → Main menu > Messages > Messages settings > MMS
- 1. Select the required setting

Reports	Select Request read (check if the other party has read the message), Send read (inform the other party that you have read the message when asked), Request delivery (check if the other party has received the message) or Send delivery (inform the other party that you have received the message when asked).
Priority	Select Low , Normal or High for the message priority level.
Validity period	Set a time period for the message centre to attempt message delivery. Select 1 day , 7 days or Maximum .
Auto download	Select Always on (messages are retrieved automatically after receiving message notifications), On when home (messages are retrieved automatically in your service area) or Never (messages are retrieved manually).
Player mode	Select Auto (display MMS slides, or playback video/sound clips automatically) or Manual (display MMS slides, or playback video/sound clips manually).
Message font size*1	Select the required font size.
Advanced	If required, edit the information on Message server, WAP profiles, Fetch on server*1 and Anonymous reject*1. Select Information to view MMS software information.

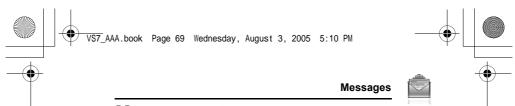












Memory status

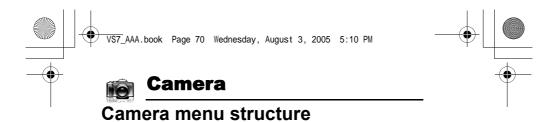
You can see the amount of memory available for storing messages.

Main menu > Messages > Memory status > SMS or MMS

Note: To decrease the amount of phone memory used, delete unwanted data or store data on your PC (see "CD-ROM" on page 152).

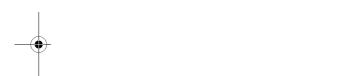






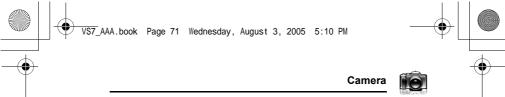
Picture......71
Video77

Note: There are several ways to select items from menu lists. See "Menu selection method" on page 26.









Picture

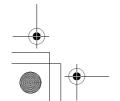
You can take a picture with the built-in camera, and send them via MMS, Infrared or Bluetooth, or use them as wallpaper. You can also attach a picture to a contact stored in your phone.

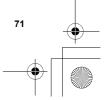
Picture preview screen



Icons on picture preview screen

	Zoom level (1-25)
1600 1280 640 320 160 1 200 960 480 240 120 1 20	Picture size (Ultra large/Extra large/Large/ Medium/Small/Main display/Front display)
S F N	Image quality (Super fine/Fine/Normal)
	Multi shot mode
83 83	Self timer (5 or 10 seconds delay)
3	Night mode
<u></u>	Photo light
**************************************	Brightness level (-2, -1, ±0, +1, +2)

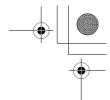














Camera

Taking a picture

- The display acts as a viewfinder. Move the phone around to frame your subject
- **2.** $[\bigcirc]/[\bigcirc]$ to capture the image

Operations after taking a picture

To save the image to My Media: [[] (Save)/[]

You can save the image by pressing $[\]$ whether the flip is open or closed.

To return to the preview screen without storing the image: [_] (Delete)

To send the captured image via MMS: $[\odot] \rightarrow$ See "Creating an MMS message" on page 58



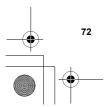
Taking a self-portrait

You can take your self-portrait using Front display.

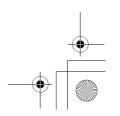
- → Main menu > Camera > Picture
- 1. Close the flip. Look at yourself in Front display
- **2.** $[\]$ on the side of the phone
- The image appears on both the Main display and the Front display. For further operation, see "Operations after taking a picture" on page 72

Shortcut: To directly open the picture preview screen, press and hold $[\]]$ in standby mode.

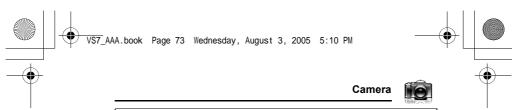
Caution: To avoid impairing camera performance, DO NOT leave the phone with the camera facing direct sunlight.











Note: To send a picture via infrared or Bluetooth, or use as wallpaper, save the image once, and then go to My Media. (See "Pictures" on page 132.)

If the camera is left in certain conditions including the preview screen and capture screen for 3 minutes, the phone automatically exits Picture mode. If left in the preview screen, but with the options menu displayed, the phone remains in this state.

If certain situations such as receiving calls occur during camera operation, the phone exits Camera mode. If a captured image is on the screen, it is saved to My Media.

Zoom

[A]/[A] to zoom in one level

[▼]/[¶] to zoom out one level

You can also press and hold the keys to quickly reach the required zoom level.

Note: Zoom function may not be available when the picture size is set to Ultra large 1600x1200.

Adjusting the brightness level

The picture brightness indicator shows the current brightness level.

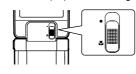
[▶] to increase the brightness level

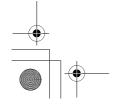
[] to decrease the brightness level

Taking close-up pictures

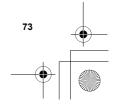
You can take sharp pictures from a close distance by using Macro Mode. (Macro focus range: 10 cm)

Slide the Macro Mode Switch to (3) before taking close-up pictures.



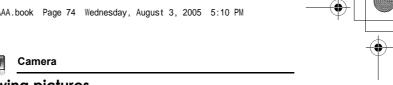












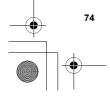
Viewing pictures

Pictures taken with the built-in camera are saved to My Media. To view the saved pictures, see "Viewing pictures" on page 132.

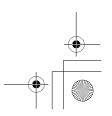
Picture settings

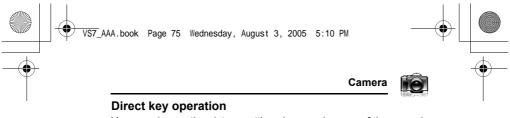
In the preview screen, the following options are available by pressing $[\]$ (Options).

Picture size	Select the required size from Ultra large 1600x1200, Extra large 1280x960, Large 640x480, Medium 320x240, Small 160x120, Main display 240x320 or Front display 96x64.
Image quality	Select the required quality from Super fine , Fine or Normal .
Photo light	Select On to light up your subject before snapping a picture.
Night mode	Select On to take a picture in low light conditions.
Multi shot mode	15 continuous shots is available. See "Continuous shooting" on page 76.
Effect	Select the required colour from Normal, Sepia, Monochrome or Negative.
Self timer	Select the amount of time delay you require for shooting from Off , 5 seconds or 10 seconds .
Shutter sound	Select the required sound from Pattern 1-5.
Switch to video	Switch from Picture mode to Video mode.
Available space	Show the number of files which can be saved in the current picture size and image quality. You can see the number of files which can be saved in other image qualities by pressing [] (Quality), and in other picture sizes by pressing [
Set to default	Reset the current picture settings to default.
Help	Show direct key operation in the preview screen.









You can change the picture settings by pressing one of the numeric keys which correspond to the functions as follows. Some functions are depicted by the icon. See "Icons on picture preview screen" on page 71.

[1]: Switch to video

[2]: Picture size

[3]: Image quality

[4]: Multi shot mode

[5]: Self timer

[6]: Night mode

[7]: Effect

[0]: Help

[#]: Photo light

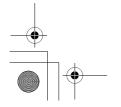
Adding a picture to Contacts card

If a picture is attached to a Contact card, it appears on the screen when the contact calls you.

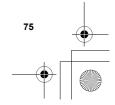
To attach a picture to a contact, save the image once, and then go to Contacts. See "Adding contacts" on page 44.





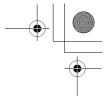








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Camera

Continuous shooting

In Multi shot mode, you can capture a succession of 15 images with just one press. When you set Multi shot mode on, the picture size is fixed to **Medium 320x240** and Night mode off.

Main menu > Camera > Picture

- 1. [□] (Options) → Select Multi shot mode
- 2. Select On
- **3.** [●]/[□] to shoot

The captured images are displayed as thumbnails.

Note: You cannot take pictures in Multi shot mode when the phone is closed. Once you close the phone, Multi shot mode is switched off.



To view the captured images:

 $[\blacktriangle/\blacktriangledown/\blacktriangleleft/\blacktriangleright]$ to scroll to the required thumbnail \to $[\circledcirc]$ You can view the next image by pressing $[\blacktriangleright]$ or $[\blacktriangledown]$, and the previous image by pressing $[\blacktriangleleft]$ or $[\blacktriangle]$.

To save a captured image:

 When the required thumbnail is highlighted or the required image is displayed on the screen, [□] (Options) → Select Save this one only

The picture is stored to My Media.

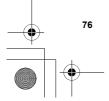
To save all the captured images:

 In thumbnail screen or when one of the images is displayed on the screen, [☐] (Options) → Select Save all pictures

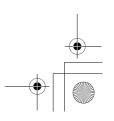
When one of the images is displayed on the screen, [

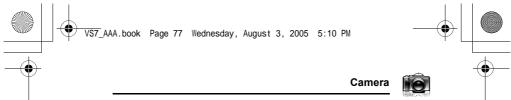
All the pictures are stored to My Media.

Note: All the captured images are also saved by pressing [\square] on thumbnail screen or when one of the images is displayed on the screen.









Video

You can record video clips with the built-in camera, and send them via MMS, infrared or Bluetooth.

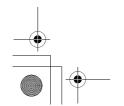
Video preview screen



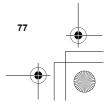


Icons on video preview screen

	Zoom level (1-25)
	Recording time (Extended video/For MMS sending)
	Self timer (5 or 10 seconds delay)
Å	Photo light
**************************************	Brightness level (-2, -1, ±0, +1, +2)

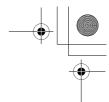














Camera

Recording a video clip

- Main menu > Camera > Video
- 1. Main display acts as a viewfinder. Move the phone around to frame your subject
- **2.** $[\odot] / [\odot]$ to start recording
- 3. Video recorder records until reaching the clip size limit or until you press $[\bigcirc]/[\boxed]/[\boxed]$ (Stop)
- 4. Select the required action

Playback	Playback the recorded video clip.
Save to My Media	Save the recorded video clip to My Media.
Send as MMS	Attach the recorded video clip to an MMS message. See "Creating an MMS message" on page 58.

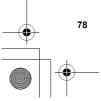


Caution: To avoid impairing camera performance, DO NOT leave the phone with the camera facing direct sunlight.

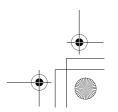
Note: To send a video clip via infrared or Bluetooth, save the video clip once, and then go to My Media. (See "Videos" on page 139.)

If the video is left in the preview screen or a recorded video clip is displayed for 3 minutes, the phone automatically exits Video mode. If left in preview screen, but with the options menu displayed, the phone remains in this state.

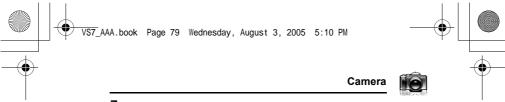
If certain situations such as receiving calls occur during camera operation, the phone exits Camera mode. The recording ends automatically, and the already recorded video clip is saved to My Media.











Zoom

[A]/[A] to zoom in one level

[▼]/[¶] to zoom out one level

You can also press and hold the keys to quickly reach the required

Note: You cannot change the zoom level while recording.

Adjusting the brightness level

The video clip brightness indicator shows the current brightness level.

[▶] to increase the brightness level

[] to decrease the brightness level

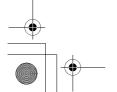
Note: You cannot change the brightness level while recording.

Recorded video clips are saved to My Media. To play the saved video clips, see "Playing video clips" on page 139.





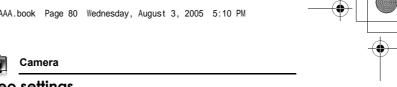












Video settings

In the preview screen, the following options are available by pressing [__] (Options).

Recording time	Select the video recording time from Extended video or For MMS sending .
Photo light	Select On to light up your subject before recording a video clip.
Effect	Select the required colour from Normal, Sepia, Monochrome or Negative.
Self timer	Select the amount of time delay you require for recording from Off , 5 seconds or 10 seconds .
Switch to picture	Switch from Video mode to Picture mode.
Available space	Show the number of files which can be saved in the current recording time. You can see the number of files which can be saved in other recording time by pressing [] (RecTime).
Help	Show direct key operation in the preview screen.



Direct key operation

You can change the video settings by pressing one of the numeric keys which correspond to the functions as follows. Some functions are depicted by the icon. See "Icons on video preview screen" on page 77.

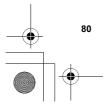
[1]: Switch to picture

[2]: Recording time [5]: Self timer

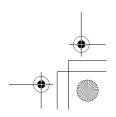
[7]: Effect

[0]: Help

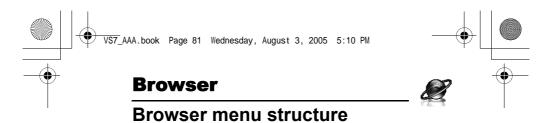
[#]: Photo light











PANASONIC BOX

Note: There are several ways to select items from menu lists. See "Menu selection method" on page 26.

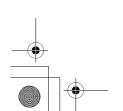
Setting up your Browser

Your phone's WAP (Wireless Application Protocol) browser allows you to access services supported by the network such as news, weather reports, sports, etc.

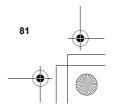
Before Internet services can be accessed, you need to subscribe to your service provider to enable the relevant configuration information. (Your service provider may have already completed the connection settings. To configure the WAP profile settings, see "WAP profiles" on page 87.)

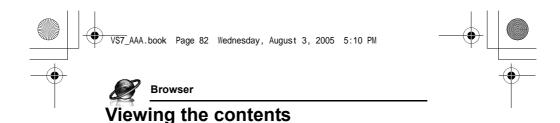


Note: Modifying the preinstalled settings without accurate knowledge may cause a failure in connection.









Opening Browser

Main menu > Browser

The off-line menu is displayed. You will not be connected until you choose a menu.

[▲/▼] to scroll to the required menu →

The phone is connected to the web site.





Shortcut: You can directly access Browser by pressing [\Box] () in standby mode.

Online status icons

ጅ

Non-secure CSD connection



Non-secure GPRS connection



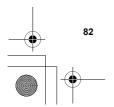
Secure CSD connection



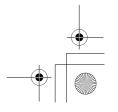
Secure GPRS connection

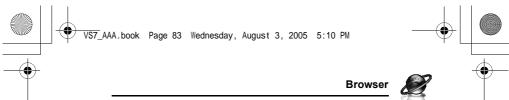
Closing Browser

1. [□] (Options) → Select Exit browser









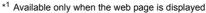
Browser options

While Browser is on-line or off-line, the following options are available.

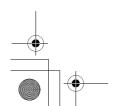
♦ Main menu > **Browser** [Off-line] OR

Main menu > Browser > Required menu [On-line]
1. [□] (Options) → Select the required option

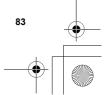
Select	Select the required item.
Bookmarks	Go to the bookmark list.
Enter address	Go to URL entry.
Save media*1*2	The image in contents is saved to My Media.
Set as bookmark*1	The displayed URL is saved to the bookmark list.
Service Inbox	Open Service Inbox.
Reload page*1	Reload this page.
Advanced	Go to homepage, clear the cache, view or send the current URL, or view the current WAP information.
Settings	Edit WAP profiles/Push access settings or view the security information.
Exit browser*1	Terminate the browser.



 ^{*1} Available only when the web page is displayed.
 *2 Available only when the web page has the image, melody or video contents.



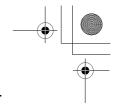














[®] Browser

Bookmarks

Once you bookmark your favourite page or a frequently accessed page, you can jump to the page quickly. You can also categorise the bookmarked pages into 10 folders and rename each folder.

While off-line or on-line:

- 1. [□] (Options) → Select Bookmarks
- 2. $[\blacktriangle / \blacktriangledown]$ to scroll to the required bookmark folder $\to [\bullet]$
- **3.** $[\blacktriangle/\blacktriangledown]$ to scroll to the required bookmark
- 4. To load the URL: [

]

To select the required option: [[(Options)



Go to page	Jump to the web page.
Add bookmark	Add to the bookmark list.
Edit	Edit the selected bookmark name and URL.
Move to	Move the selected bookmark to another folder.
Delete	Delete the selected bookmark.
Send bookmark	Send the bookmarked URL via SMS or MMS.
Delete all in folder	Delete all the bookmarks in the folder.



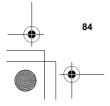
 $\llbracket \blacktriangle / \blacktriangledown \rrbracket$ to scroll to the required bookmark folder $\to \llbracket \blacksquare \rrbracket$ (Options) \to Select **Rename** \to Enter a new folder name $\to \llbracket \bullet \rrbracket$

Deleting all bookmarks

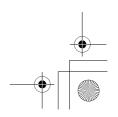
In the bookmark list:

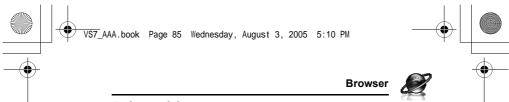
 $[\]$ (Options) \rightarrow Select **Delete all** \rightarrow $[\]$ (Yes)

All the saved bookmarks are deleted, and the folder names return to the default.









Enter address

You can directly go to the required web page by entering the URL. While off-line or on-line:

- 1. [□] (Options) → Select Enter address
- 2. Enter URL \rightarrow [\bigcirc]

Save media

Images, melodies or videos on the web page can be saved to My Media.

When the web page is displayed:

- 1. [□] (Options) → Select Save media
- **2.** [**●**]/[**■**] (Select) to save

Note: Panasonic is not responsible for the performance of downloaded contents or possible corruption of phone software.

Set as bookmark

You can save the URLs of your favourite pages in Bookmarks.

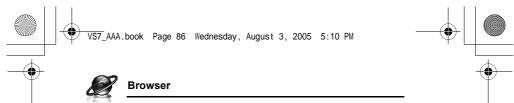
When the web page is displayed:

- 1. [□] (Options) → Select Set as bookmark
- 2. Enter title \rightarrow [\bigcirc]
- 3. $[\blacktriangle/\blacktriangledown]$ to scroll to the required folder \to $[\circledcirc]/[\boxdot]$ (Save)









Service Inbox

View WAP Push message and go to URL.

While off-line or on-line:

- 1. [□] (Options) → Select Service Inbox
- To load the URL: []
 To select the required option: [] (Options)

Go to page	Jump to the web page.
View message*1	View the message.
Delete	Delete the message.

^{*1} Available only when text and URL are delivered from your service provider.



Reload page

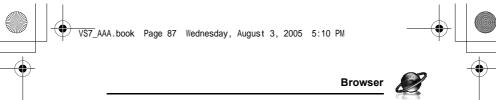
Current page can be reloaded.

When the web page is displayed:

1. [□] (Options) → Select Reload page







Advanced

While off-line or on-line:

- 1. [□] (Options) → Select Advanced
- 2. Select the required option

Home	Jump to the set-up homepage.
Clear cache	Delete the contents stored in the cache.
View current URL*1	View the URL of the current page.
Send current URL*1	Send the URL of the current page via SMS or MMS .
WAP information	View WAP browser information.

^{*1} Available only when the web page is displayed.

Settings

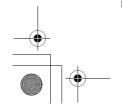
WAP profiles

If no settings are present, contact your service provider.

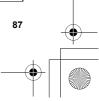
You can check or edit the current WAP profile settings, or add new WAP profile settings.

- → Main menu > Browser [Off-line]
- 1. [□] (Options) → Select **Settings**
- 2. Select WAP profiles
- 3. $[\blacktriangle/\blacktriangledown]$ to scroll to the required profile
- 4. [□] (Options) → Select Activate, Edit or Delete
- If Edit is selected, you can edit the following information: Profile name, Homepage, Proxy IP, Proxy port, Use proxy and Data connections

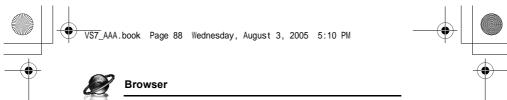
Note: You need to configure GPRS or CSD before configuring the WAP profile settings. See "Data connections" on page 116.











Push access

Set up Push access to receive WAP messages.

While off-line or on-line:

- 1. [□] (Options) → Select Settings
- 2. Select Push access
- 3. Select Service indication, Service loading or Other messages
- 4. Select On or Off

Security

View security information.

While off-line or on-line:

- 1. [□] (Options) → Select **Settings**
- 2. Select Security
- 3. Select the required item



^{*1} Available only while secure connection.







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Settings menu structure

Phone settings Profiles Language Time and date Illuminations Key settings Master reset	90 91 91 92
Display settings Main display Front display Main menu icons Themes Backlight time	96 97 98 99
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Sounds & alerts	99
Assign ringtone	
Incoming volume	100
Message alert	99
Message volume	100
Warning tone	100
Startup tone	100
Shutdown tone	100
Vibration alert	100

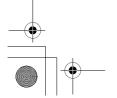
Calls	101
Call diverts	101
Call waiting	102
Any key answer	102
Active flip	103
Auto answer	103
Send my number	
Call duration	103
Service charge*1*2	104

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Infrared	105
Bluetooth	
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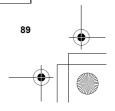
Security	117
PIN entry	
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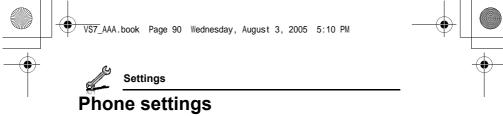


Note: There are several ways to select items from menu lists. See "Menu selection method" on page 26.









Profiles

You can switch among different profiles in your phone, each with a distinct combination of alert method, ringtone, etc. Profiles are set up for use in the following environments:

Normal	For everyday settings.
Silent	For formal occasions.
Meeting	For meetings.
Outdoor	For noisy environments.
Car	For driving occasions.



Activating a profile

- Main menu > Settings > Phone settings > Profiles
- **1.** $[\blacktriangle / \blacktriangledown]$ to scroll to the required profile
- **2**. [**(**]

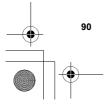
OR

 $[\square]$ (Options) \rightarrow Select **Activate**

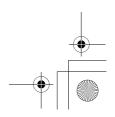
Setting a profile

You can personalise the individual settings within a profile. For further details about the individual settings, see "Sounds & alerts" on page 99.

- Main menu > Settings > Phone settings > Profiles
- 1. $[\blacktriangle / \blacktriangledown]$ to scroll to the required profile
- 2. [□] (Options) → Select Edit
- 3. Select the required item
- 4. Select the required setting

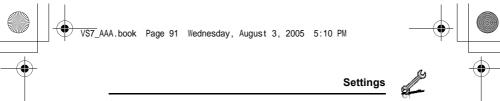












Language

You can change the language used for display messages and/or text entry. **Automatic** uses the language dictated by the country/region code of the SIM card.

- Main menu > Settings > Phone settings > Language > Display language or Input language
- 1. Select Automatic or the required language

Time and date

You can set your Home clock and Away clock.

Home clock

You can set the current time and date on your phone.

- Main menu > Settings > Phone settings > Time and date > Home clock
 - 1. Select the required setting

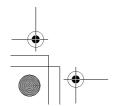
Set date & time	Enter the time → [▼] → Enter the date
Home area	Select your home area.
Summer time	Select On to activate the summer time mode.

Away clock

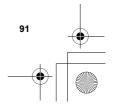
You can set Away clock to display the time in the area you choose.

- Main menu > Settings > Phone settings > Time and date > Away clock
- 1. Select the required setting

Set time zone	Select the required area.
Summer time	Select On to activate the summer time mode.

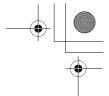














Settings

Choosing clock

You can choose either Home clock or Away clock to be displayed on your phone.

Main menu > Settings > Phone settings > Time and date > Select clock > Home clock or Away clock

Display format

You can select the required display format for the date and time.

- Main menu > Settings > Phone settings > Time and date > Display format > Time or Date
- To set Time format: Select 24 hour or 12 hour
 To set Date format: Select the required format (DD=date, MM=month, YY=year)



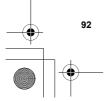
Illuminations

The Indicator/Illumination Light flashes or beams when you receive calls/messages, have a conversation, the flip is closed, the battery is charging or data is transferred.

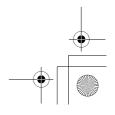
- → Main menu > Settings > Phone settings > Illuminations
- 1. Select the required event

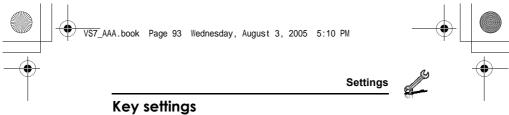
Incoming	Select the required colour or Off .
Message	
In conversation	
Flip close	
Charging	Select On or Off.
Data transfer	

Note: You can check the **Flip close** illumination by pressing [$\[\]$ $\]$ while the phone is in standby mode with the flip closed.









Key tone

You can change the key tone.

- Main menu > Settings > Phone settings > Key settings > Key tone
- 1. Select the required tone

Key volume

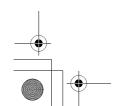
You can change the key tone volume.

- Main menu > Settings > Phone settings > Key settings > Key volume
- 1. $[\triangle / \nabla / \triangleleft / \triangleright]$ to scroll to the required volume $\rightarrow [\textcircled{o}]/[\boxdot]$ (Select)

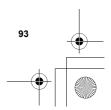
Key backlight

If you set the key backlight to off, you can maintain longer battery life.

- Main menu > Settings > Phone settings > Key settings > Key backlight
- 1. Select On or Off



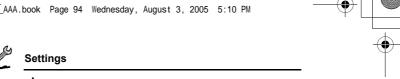












Keyguard

Keyguard prevents any keys from being accidentally pressed e.g. when the phone is being carried. When Keyguard is enabled, the Keyguard icon () appears on the display. When a call is received, Keyguard is temporarily disabled and you can answer the call.

To enable Keyguard:

- Main menu > Settings > Phone settings > Key settings > Keyguard
- 1. "Would you like to lock keypad?" → [♠]/[➡] (Yes) OR

In standby mode:

- 1. Press and hold []
- 2. "Would you like to lock keypad?" \rightarrow [\bigcirc] /[\bigcirc] (Yes)

Note: Emergency calls can still be made with the Keyguard enabled but there is no indication that you are dialling the number.

To disable Keyguard:

When (appears on the display:

1. $[\bigcirc] \rightarrow$ "Would you like to unlock?" $\rightarrow [\bigcirc] / [_]$ (Yes)

Shortcut keys

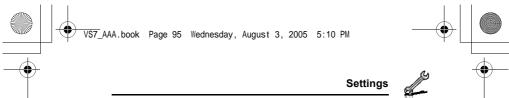
Navigation key $[\blacktriangle \iota \blacktriangledown \iota \blacktriangledown \iota \bullet \iota \blacktriangleright]$ can be used as a Shortcut key. It is possible to assign a specific menu to Navigation key so that you can access the menu directly from standby mode.

- Main menu > Settings > Phone settings > Key settings > Shortcut keys
- Select Navigation up, Navigation right, Navigation down or Navigation left
- 2. Select the required menu









Master reset

You can reset your phone to the factory settings, except for the settings for Language, Time and date, and Calendar. User data such as contacts, messages, call logs and data stored in My Media remains on the phone.

Password is required for master reset. The factory set password is 0000.

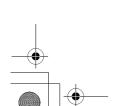
Resetting

- Main menu > Settings > Phone settings > Master reset > Reset settings
- "Would you like to reset all phone settings?" → [⑥]/[□] (Yes)
- 2. Enter the password $\rightarrow [\bigcirc] / [\bigcirc]$ (Ok)

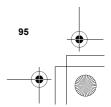
Changing the password

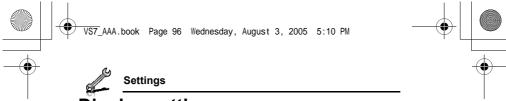
- Main menu > Settings > Phone settings > Master reset > Password setting
 - **1.** Enter the current password \rightarrow [] / [] (Ok)
 - 2. Enter a new password \rightarrow [\bigcirc] / [\bigcirc] (Ok)
 - 3. Enter the new password again \rightarrow [\bigcirc] /[\bigcirc] (Ok)











Display settings

Main display

You can change the wallpaper, brightness and position of the operator name on the Main display.

Wallpaper

You can change the wallpaper on the standby screen.

- Main menu > Settings > Display settings > Main display > Wallpaper
- 1. Select My Media or Download*1
- **2.** $[\triangle / \nabla / \triangleleft / \triangleright]$ to scroll to the required wallpaper
- To set: [□] (Select)
 To view and set: [⑥] → [⑥]/[□] (Select)

Brightness

You can adjust the brightness of the display.

- Main menu > Settings > Display settings > Main display > Brightness
- 1. $[\blacktriangle / \blacktriangledown]$ to adjust the brightness level $\to [\circledcirc] / [\blacksquare]$ (Select)

Operator name

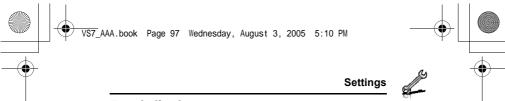
You can change the position of your operator name on the standby screen.

- Main menu > Settings > Display settings > Main display > Operator name
- 1. Select Default, Upper left or Lower left









Front display

You can change the wallpaper, contrast and clock display on the Front display.

External wallpaper

You can change the wallpaper on the Front display.

- Main menu > Settings > Display settings > Front display > External wallpaper
- Follow the procedures of Wallpaper in Main display on page 96.

Contrast

You can adjust the contrast of the Front display.

- Main menu > Settings > Display settings > Front display > Contrast
- **1.** $[\blacktriangle / \blacktriangledown]$ to adjust the contrast $\to [\circledcirc] / [\blacksquare]$ (Select)

Clock display

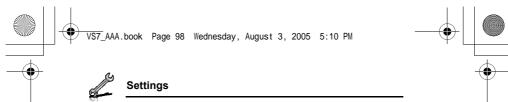
You can change the clock display style.

- Main menu > Settings > Display settings > Front display > Clock display
- 1. Select Clock and Date or Digital









Main menu icons

You can change menu icons or the background on Main menu screen.

Changing icons

To change menu icons:

- Main menu > Settings > Display settings > Main menu icons
- 1. $[\blacktriangle / \blacktriangledown / \blacktriangleleft / \blacktriangleright]$ to scroll to the required menu icon $\rightarrow [\textcircled{\bullet}]$
- 2. Select My Media or Download*1
- 3. $[\blacktriangle \iota \blacktriangledown \iota \blacktriangleleft \iota \blacktriangleright]$ to scroll to the required image
- To set: [□] (Select)
 To view and set: [⑥] → [⑥] / [□] (Select)

To change the background:

- Main menu > Settings > Display settings > Main menu icons
- 1. [□] (Options) → Select Attach full image
- 2. Repeat steps 2-4 in "To change menu icons:" on page 98



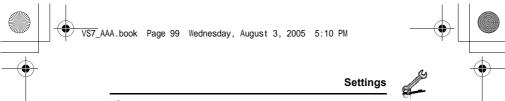
Note: For downloading contents, visit http://box.panasonic.com/

Setting back to default

- Main menu > Settings > Display settings > Main menu icons
- 1. [□] (Options) → Select Set to default
- 2. "Would you like to set default?" $\rightarrow [\bigcirc]/[_]$ (Yes)







Themes

You can change the colour theme of the display.

- Main menu > Settings > Display settings > Themes
- 1. Select the required colour theme

Backlight time

You can set the length of time the display is illuminated by the backlight.

- Main menu > Settings > Display settings > Backlight time
- 1. Select 10 seconds, 30 seconds or 60 seconds

Sounds & alerts

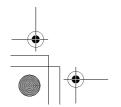
Ringtone/Message alert

You can change the tone and/or the volume of the ringtone for incoming calls and the Message alert for incoming messages.

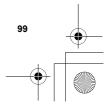
Changing the ringtone/Message alert

- Main menu > Settings > Sounds & alerts > Assign ringtone or Message alert
- 1. Select My Media or Download*1
- 2. $[\blacktriangle / \blacktriangledown]$ to scroll to the required tone
- 3. $[\bigcirc]$ to listen to the tone $\rightarrow [\bigcirc]$ (Cancel) to stop the tone and return to the previous screen
- **4.** [**□**] (Select)
- *1

Note: For downloading contents, visit http://box.panasonic.com/

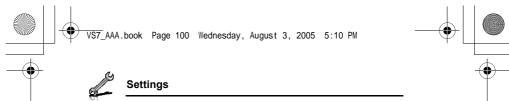












Changing the ringtone/Message alert volume

- Main menu > Settings > Sounds & alerts > Incoming volume or Message volume
- 1. $[\triangle / \nabla / \triangleleft / \triangleright]$ to adjust the volume (Volume 0-4, Step tone) \rightarrow [**⊚**]/[**□**] (Select)

Warning tone

The Warning tone informs you of low battery.

- Main menu > Settings > Sounds & alerts > Warning tone
- 1. Select On or Off

Startup tone/Shutdown tone

The Startup tone sounds after switching on the phone, while the

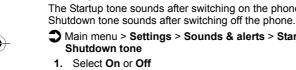


Vibration alert

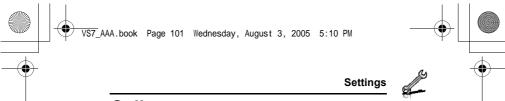
The phone does not ring but vibrates to inform you of incoming calls and messages if you switch on vibration alert.

- → Main menu > Settings > Sounds & alerts > Vibration alert
- 1. Select On or Off



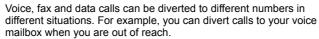






Calls

Call diverts (



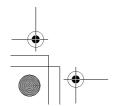
Voice calls can be diverted in the following situations:

All calls	Divert all incoming voice calls.
When busy	Divert incoming voice calls when a call is in progress.
When no reply	Divert incoming voice calls if call is not answered.
When unreachable	Divert incoming voice calls when phone is not in a coverage area.

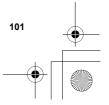


- 1. Select Divert voice, Divert all fax or Divert all data (If Divert all fax or Divert all data is selected, go to step 3.)
- 2. Select the divert situation
- 3. Select Direct input or From contacts
- 4. If Direct input is selected: Enter the phone number to divert to \rightarrow [

If From contacts is selected: Highlight the required contact → [\blacksquare] (Select) → If the card has several phone numbers stored, [\blacktriangle / \blacktriangledown] to scroll to the required number → [\blacksquare]/[\blacksquare] (Select) When the setting is enabled, the divert icon () is displayed on the standby screen.

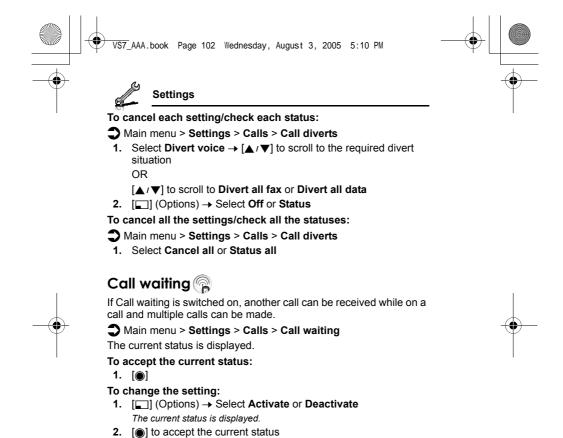












Any key answer

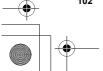
Calls can be answered by pressing any key except $[\]$,

When Any key answer is off, calls can only be answered by pressing [`\] or [☐] (Accept).

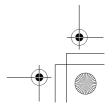
→ Main menu > Settings > Calls > Any key answer

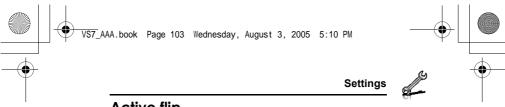
1. Select On or Off











Active flip

You can answer a call by opening the phone and end a call by closing the phone.

When Active flip is off, you need to press the appropriate key to answer or end the call. When you are using a headset, you can continue your conversation even while the phone is closed.

Main menu > Settings > Calls > Active flip

1. Select On or Off

Auto answer

When you use the optional Personal Handsfree earpiece, you can answer a call automatically.

→ Main menu > Settings > Calls > Auto answer

1. Select On or Off

Send my number

You can choose whether or not to show your name and/or number to another phone. You can comply with your network's own setting if you select **Network set**.

Main menu > Settings > Calls > Send my number

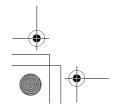
1. Select Network set, On or Off

Call duration

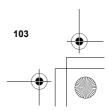
You can check the duration of incoming or outgoing calls.

Main menu > Settings > Calls > Call duration

- 1. Select Incoming or Outgoing
- **2.** To reset the counter, $[\bigcirc] / [_]$ (Reset)
- 3. "Reset?" → [⑥] / [□] (Yes)

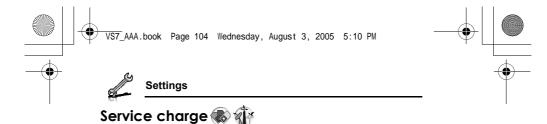












You can check the remaining call units available if Max cost is set.

Main menu > Settings > Calls > Service charge > Cost left

You can check the total costs of calls made.

Main menu > Settings > Calls > Service charge > Call meter

To reset the counter:

- 1. $[\bullet]/[\sqsubseteq]$ (Reset) \rightarrow "Reset total cost?" \rightarrow $[\bullet]/[\sqsubseteq]$ (Yes)
- 2. Enter the PIN2 code \rightarrow [\bigcirc] / [\bigcirc] (Ok)

You can set your personal rate of the cost that the service provider charges for one unit of call time.

- → Main menu > Settings > Calls > Service charge > Price/unit
- 1. $[\bullet]/[\sqsubseteq]$ (Edit) \rightarrow Enter the PIN2 code \rightarrow $[\bullet]/[\sqsubseteq]$ (Ok)
- 2. Enter the currency → [♠]
- 3. Enter the value $\rightarrow [\bigcirc]/[\square]$ (Ok) To enter a decimal point: [#]

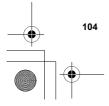
Max cost

You can set the maximum cost of calls allowed.

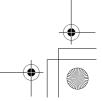
- Main menu > Settings > Calls > Service charge > Max cost
- 1. $[\bigcirc] \rightarrow$ Enter the PIN2 code $\rightarrow [\bigcirc] / [\bigcirc]$ (Ok)
- 2. Enter the credit limit \rightarrow [\bigcirc] /[\bigcirc] (Ok)

To disable the Max cost:

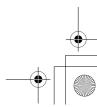
In step 1, $[\blacksquare]$ (Options) \rightarrow Select **Disable** \rightarrow [n] / $[\blacksquare]$ (Yes) \rightarrow Enter the PIN 2 code \rightarrow [\bigcirc] / [\bigcirc] (Ok)

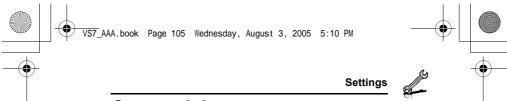












Connectivity

Infrared

You can transfer data between your phone and other infrared enabled devices using an infrared wavelength connection. You can send Contacts card, calendar events, and pictures/sound clips/video clips stored in My Media.

Note: Some downloaded files may be protected under copyright laws. These files should not be sent.

Preparing for infrared connection

Place your phone and the other device within the effective range of 20 cm.

- Verify there are no obstructions between the two devices. Nearby activated infrared devices may cause interference.
- Ensure that the infrared ports of the devices point at each other.
- On the receiving device, activate the Infrared port.
- If the other device is a computer, you need to set up infrared connection on the computer. (Example: For Windows XP, Start > Control Panel > Printers and Other Hardware > Wireless Link > Infrared tab > All others to send files to your computer using infrared communications)

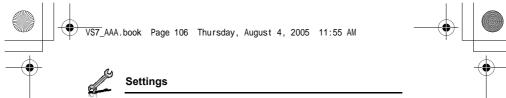
 $\textbf{Caution:} \ \ \$ Though invisible to the eye, do not point the infrared beam at anyone's eyes.











Sending data via infrared

Prepare for infrared connection as described in "Preparing for infrared connection" on page 105.

- 1. Select the item you wish to send
- 2. [□] (Options) → Select Send via
- 3. Select Infrared

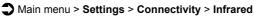
The phone automatically begins infrared connection. A confirmation message is displayed when complete.

Receiving data via infrared

Prepare for infrared connection as described in "Preparing for infrared connection" on page 105.

To activate infrared:

You need to activate the infrared function before receiving data. When infrared is set to on, the infrared icon ($\[mu]$) appears on the display. If infrared is unused for 10 minutes or the phone is once switched off, it is automatically set to off and ($\[mu]$) disappears.



1. Select On

To receive data via infrared:

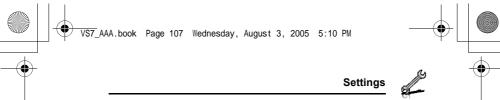
When () is displayed, sender can begin transfer of data.

- When transfer is started, "Would you like to receive data?" →
 [o] / [o] (Yes) to receive the data
- When transfer is complete, "Data received" → Return to standby screen → Received file name is displayed → [♠]/[□] (Save) to save the data

The received data is stored in respective menus or files.







Bluetooth® wireless technology

You can send and receive pictures, video and sound clips, etc. between Bluetooth devices such as mobile phones and computers. Use a Bluetooth headset or handsfree to talk wirelessly on your phone whilst the phone is in your pocket or purse.

Note: Although Bluetooth devices can connect within a 10 metre range, walls or other nearby barriers may cause interference.

Check with local authorities before using Bluetooth wireless technology as some countries may restrict the use of Bluetooth devices.

Keeping Bluetooth setting "On" consumes battery power more rapidly. To conserve battery power, select Off in Bluetooth setting when not in use (see page 107).

Setting up Bluetooth

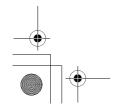
You must first set up Bluetooth connections before using it for the first time. Thereafter, go to Settings to switch Bluetooth setting on and change your phone's visibility to other Bluetooth devices.



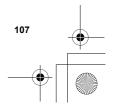
1. Select the required setting

Bluetooth on/off	Select On or Off.
Phone name	Use the default name or enter a name for your phone that other devices will see when they search for your phone.
Visibility ^{⋆1}	Choose Show phone to allow other Bluetooth devices to find your phone when searching, or select Hide phone to keep other Bluetooth devices from finding it during a search.

^{*1} To conserve battery life and avoid unwanted connections, "Show phone" in Visibility is of 5 minutes duration.









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Settings

Pairing with other devices

Before you can transfer information between two Bluetooth devices, they need to find each other and set up a connection. This is referred to as "pairing".

Ensure that the device in which you want to pair is switched on, and its Bluetooth setting is activated.

If the other device is a computer, you need to set up Bluetooth connection on the computer. (Example: For Windows XP, Start > Control Panel > Printers and Other Hardware > Wireless Link > Bluetooth tab > All others to send files to your computer using Bluetooth communications)

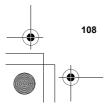
Main menu > Settings > Connectivity > Bluetooth > Paired devices

"No paired device add new device?" → [□] (Ok)
 The phone begins searching for devices and notifies you when it finds the other device

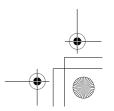
- 2. $[\blacktriangle / \blacktriangledown]$ to scroll to the required device
- 3. [□] (Options) → Select Pair device
- Enter the Pass key, if requested → [□] (Ok)
 You may need to enter Pass keys on the both sides of connecting devices
- 5. "Make device trusted?" \rightarrow [\blacksquare] (Yes)

Note: The Pass key may be between 1 and 16 digits except where stated in the connecting device (normally headset) instructions when a 4 digit Pass key is specified.

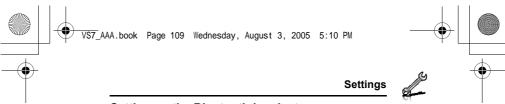
Making the device "trusted" on step 5 can cause future connections to occur without notice. This may enable trusted devices to access your Contacts list and data folders without prompting. You are advised to "trust" only your own devices to avoid being prompted each time a call is received.











Setting up the Bluetooth headset

The Bluetooth headset gives you wireless, handsfree operation. Before you can use the headset you need to pair the headset and the phone.

After switching on Bluetooth on the phone the Bluetooth icon (\S) appears on the screen. You now need to set up the headset.

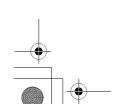
- appears on the screen. You now need to set up the headseSwitch on the headset
- See the headset instructions.

 Make the headset discoverable
 See the headset instructions.
- 3. On the phone, follow the instructions "Pairing with other devices" on page 108
- To receive calls on a Bluetooth headset: Highlight the device name → [□] (Options) → Select Connect OR

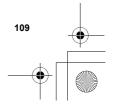
Press the button on the headset

() appears on the screen when the headset is connected. See the headset instructions.

Once the headset and phone are connected, you can answer calls using the headset. If the headset is on when you receive a call, the headset rings. For information on how to answer a call with the headset, see the headset instructions. To make a call with the headset, also see the











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Settings

Sending/receiving data via Bluetooth

You can send and receive Contacts cards as business cards, Calendar events, pictures, video and sound clips via Bluetooth.

Note: The phone may not allow you to copy, modify, transfer or forward some copyrighted images, ringtones or other contents.

To send data via Bluetooth:

- 1. Ensure that the receiving device is made visible
- 2. Highlight the item you wish to send
- 3. [□] (Options) → Select Send via
- 4. Select Bluetooth

If the phone has already searched for devices, it shows the list of discovered devices.

If the phone has not yet searched, the phone automatically searches for Bluetooth devices nearby, and displays the list of discovered devices. [] (Cancel) to stop search.

- $[\blacktriangle/\blacktriangledown]$ to scroll to the intended device in the list \to $[\blacksquare]$ (Options)
- 6. Select Select

Connecting message appears, then when other device accepts, a confirmation message displays when transfer is complete.

If the other device cannot receive data, an error message appears.

To receive data via Bluetooth:

- 1. Ensure that your phone's Bluetooth is on and made visible
- 2. When transfer starts, "Would you like to receive data?" → [] / [] (Yes) to receive the data
- 3. When transfer is complete, "Data received" $\rightarrow [\]/[\]$ (Save) to save the data

The received data is stored in respective menus or files.

Note: Confirmation is required first if the paired device is not set as authorised.







