

Your PV Unit puts powerful e-mail capabilities into the palm of your hand. You can:

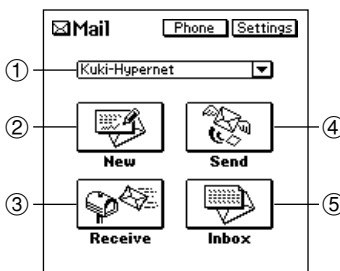
- Write messages off line and send them later
- Pick up your mail and read it later off line
- Send and receive mail
- Send the same mail to multiple addressees
- Reply to messages
- Forward mail to other addressees
- Attach data to messages

The procedures in this chapter assume the following.

- You have completed the necessary procedures to contract with an Internet service provider and you already have received the information you need from your provider in order to set up the PV Unit to log onto the Internet. See “Access Points” on page 87 for details.

Entering the Mail Mode

On the icon menu beneath the display screen, tap the **Mail** icon. This enters the Mail Mode and displays the initial screen shown below.

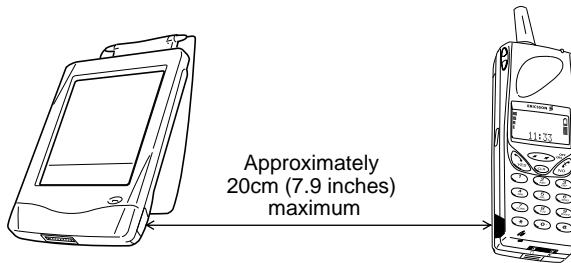


- ① Access point box
- ② Tap **New** to display a screen for writing a new mail message (page 94).
- ③ Tap **Receive** to pick up any mail waiting for you on your service provider’s computer (page 101).
- ④ Tap **Send** to send mail messages you wrote previously but have not sent yet (page 98).
- ⑤ Tap **Inbox** to display a list of mail messages you previously received (page 101).

Infrared Communication with a GSM Mobile Phone

Note the following precautions when using infrared to communicate with a GSM mobile phone.

- Make sure the infrared ports of your PV Unit and mobile phone are facing directly at each other, and that they are no further than about 20cm apart.



- Infrared communication is not possible under direct sunlight or in any other brightly lit area.
- If you are experiencing difficulty establishing an infrared connection between your PV Unit and mobile phone, try moving them closer, adjusting their angle to each other, etc.
- Do not move the PV Unit or phone during communication.

Mobile Phone Precautions

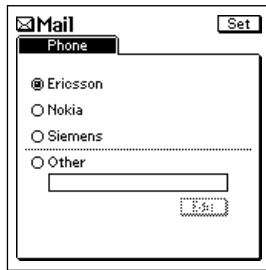
- Communication is not possible in an automobile, train, or any other moving vehicle.
- Communication is not possible outside the telephone service area, under ground, or in a tunnel.

Selecting a Mobile Phone Configuration

Your PV Unit connects to an access point of your e-mail service provider through a mobile phone equipped with a modem. You must specify a configuration for your mobile phone so your PV Unit knows how to “talk” with it. You can select one of three preset mobile phone configurations. If your phone does not work with the preset configurations, you can create your own configuration using AT commands.

To select a preset mobile phone configuration

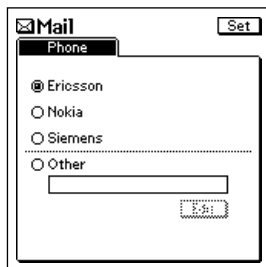
1. On the initial screen that appears when you first enter the Mail Mode, tap the **Phone** button to display the **Phone** tab.



2. Tap the button next to the name of the manufacturer (Ericsson, Nokia, Siemens) of the type of mobile phone you are using.
3. Tap **Set** to apply your selection.

To create a mobile phone configuration using AT commands

1. On the initial screen that appears when you first enter the Mail Mode, tap the **Phone** button to display the **Phone** tab.



2. Tap the button next to **Other**, and then tap **Edit**.



3. Use the on-screen keyboard to input up to 128 characters as required by the mobile phone you plan to use.
 - See “About AT Commands” below for more information about what you need to input here.
4. After the AT command string is the way you want, tap **Save** to save it and return to the **Phone** tab.
5. Tap **Set** to apply your settings.

About AT Commands

AT commands instruct a modem to perform specific operations. You can use AT commands to establish or break a connection, to send a specific modem signal, to get for certain data, etc. Many AT commands are optional, but some modems require a specific series of AT commands to be sent at the beginning of a session in order to connect correctly.

The AT commands you need to input for your particular mobile phone depend on the type of phone you are using. See the documentation that comes with your phone, visit your phone manufacturer’s website, or contact your phone manufacturer directly for more information. You can find a list of AT commands at the CASIO website at:

<http://www.casio.co.jp/English/>

With the PV Unit, AT commands can be used for modem initialization only.

Access Points

An *access point* is the phone number your PV Unit dials in order to send mail to or pick up mail from your service provider's computer. Many people get by with only one access point, while others may have multiple access points for a single provider or even multiple providers.

- You can have up to three service providers registered at one time.

Setting Up a New Access Point

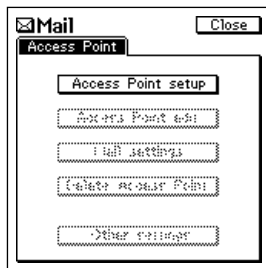
This section describes the procedure you need to perform on your PV Unit to set up a new access point. It also provides details about what each of the required settings means.

Important!

- The following procedure assumes that you have completed the necessary procedures to contract with an Internet service provider and you already have received the information you need from your provider in order to log on, and send and receive mail.

To set up a new access point

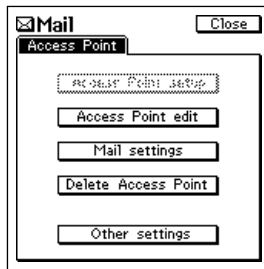
1. On the icon menu beneath the display screen, tap the **Mail** icon to enter the Mail Mode and display the initial screen.
2. Tap the **Settings** button to display the **Access Point** tab.



3. Tap **Access Point setup** to display the new access point setup screen.



4. Type in the required information.
 - See “Access Point Settings” below for details about each field and what you need to type into it.
5. After you are finished inputting the required information, tap the **Save** button to save it.
 - After a few moments, the **Access Point** tab appears again.



6. If necessary, tap **Other settings** to display a screen of other access point settings (IP address, SMTP port, POP port, etc.), and make the required settings.
 - See “Other Settings” below for details about using the **Other settings** screen.
7. After you are finished making the settings you want, tap **Save** to apply them.
 - After a few moments, the **Access Point** tab appears again.

Access Point Settings

The following are general descriptions of settings you need to make when setting up an access point.

* You must make settings for all the items marked with an asterisk.

Provider*

This is the name of the service provider you plan to use as your access point. The name you input here appears in the access point list (page 92).

Number*

This is the telephone number that is dialed in order to establish a connection with the access point.

Login ID*

This is your user name as assigned by your service provider.

Login Password

This is the password that you must input in order to log onto your service provider. Get this password from your service provider. Note that if you do not input your password here, you will have to input it every time you log onto the Internet. For security reasons, character you input for the password is displayed as an asterisk.

Name

Input the nickname you want to use in your mail messages.

Mail Account*

This is the name of your mail account that you must access to receive mail. Your provider should tell you what name, if any, you need to input here.

Mail Address*

Input your full mail address here. Your provider should tell you what mail address you need to input here.

Mail Password*

This is the password you must input to access your mail account. Often, it is the same as the Login Password. Your provider should tell you what password, if any, you need to input here. For security reasons, character you input for the password is displayed as an asterisk.

SMTP Server*

This is an address of a server that you access to send mail. Your provider should tell you what address, if any, you need to input here.

POP Server*

This is an address of a server that you access to receive mail. Your provider should tell you what address, if any, you need to input here.

Important!

- Some servers have separate POP and SMTP servers. In such a case, input different addresses for SMTP Server and POP Server. See the information you get from your service provider for what you need to input.

DNS(1)*, DNS(2)

Your provider should give you one or two Internet Protocol (IP) addresses for the domain name server. Input the address or addresses here.

Other Settings

Make the following settings as required.

IP Address

Input the IP Address for your PV Unit here. Your provider should tell you what address you need to input here.

Address Bit Mask

Input the subnet mask if necessary. Your provider should tell you what data you need to input here.

IP Header Compression

Use this setting to turn IP header compression on and off. IP header compression should normally be turned on, unless instructed otherwise by your service provider.

SMTP Port*

This setting should normally be left at its initial value of 25.

POP Port*

This setting should normally be left at its initial value of 110.

Editing Existing Access Points

Use the following procedures when you want to change the setup of an access point or delete an access point.

To change the setup of an existing access point

1. On the icon menu beneath the display screen, tap the **Mail** icon to enter the Mail Mode and display the initial screen.
2. Tap the ▼ arrow next to the access point box and then tap the name of the access point whose setup you want to change.
3. Tap the **Settings** button to display the **Access Point** tab.
4. Tap **Access Point edit** to display the access point editing screen.
5. Make any changes you want.
 - See “Access Point Settings” on page 89 for details about each field and what you need to type into it.
6. After you are finished making your changes, tap the **Save** button to save them.
 - After a few moments, the **Access Point** tab appears again.
7. Tap the **Close** button to return to the initial Mail Mode screen.

To delete an existing access point

1. On the icon menu beneath the display screen, tap the **Mail** icon to enter the Mail Mode and display the initial screen.
2. Tap the ▼ arrow next to the access point box and then tap the name of the access point you want to delete.
3. Tap the **Settings** button to display the **Access Point** tab.
4. Tap **Delete Access Point**.
5. In response to the confirmation message that appears, tap **Yes** to delete the access point or **No** to clear the message without deleting anything.

Selecting an Access Point

You can select an access point on the screen that appears when you first enter the Mail Mode or while the **Inbox** or **Outbox** tab is on the display.

Important!

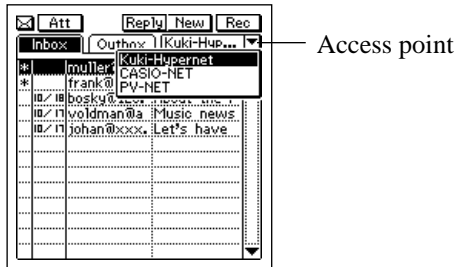
- If you have multiple access points set up on your PV Unit, be sure to select the access point you want to use before starting to write, send, or receive messages.
- The Inbox and Outbox show the messages for the currently selected access point only.

To select an access point on the initial Mail Mode screen

1. On the initial screen that appears when your first enter the Mail Mode, tap the ▼ arrow next to the access point box.
 - This displays a list of all the access points you currently have configured on your PV Unit (page 87).
2. Tap the name of the access point you want to select.

To select an access point on the Inbox or Outbox tab

1. On the **Inbox** or **Outbox** tab, tap the ▼ arrow next to the access point box.



2. Tap the name of the access point you want to select.
 - The contents of the Inbox and Outbox change to the messages for the access point you select.

E-mail Options

Your PV Unit provides you with a number of e-mail options that you can turn on and off so your mail send and receive operations are performed the way you want. The following describes the meaning of each of the e-mail options and what happens when it is turned on or off.

- The initial default setting for all these options is off (unchecked).

E-mail Options

Option	Off (unchecked)	On (checked)
Send mail then pick up new mail.	Mail waiting on the server is ignored when you send mail.	Mail waiting on the server is picked up when you send mail.
Delete mail from host upon receipt.	Mail is left on the host after you pick it up.	<ul style="list-style-type: none"> • If the “Delete all mail.” option is checked, all mail is deleted from the host, regardless of whether or not has been picked up. • If the “Delete picked up mail only.” option is checked, mail is deleted from the host as soon as it is picked up.
Confirm POP before sending mail.	POP certification is not performed before mail is sent.	POP certification is performed before mail is sent.
Skip large mail messages.	All mail is picked up, regardless of size.	All mail messages that are larger than the specified size are skipped. You can specify the maximum size by tapping the ▼ button and then select a value from the list that appears.
Disconnect after 10 minutes.	Telephone connection with the host is maintained indefinitely.	Telephone connection with the host is broken automatically 10 minutes after it is established.

To turn e-mail options on and off

1. On the icon menu beneath the display screen, tap the **Mail** icon to enter the Mail Mode and display the initial screen.
2. Tap the ▼ arrow next to the access point box and then tap the name of the access point whose e-mail option settings you want to change.
3. Tap the **Settings** button to display the **Access Point** tab.
4. Tap **Mail settings** to display the mail settings screen.
5. Tap the **Settings 1** and **Settings 2** tabs and make the settings you want.
 - Tap the check box next to an option to toggle it on (checked) and off (unchecked).
 - See “E-mail Options” above for details about each option.
6. After you are finished making your settings, tap the **Save** button to save them.
 - After a few moments, the **Access Point** tab appears again.
7. Tap the **Close** button to return to the initial Mail Mode screen.

Writing a New Mail Message

Use the following procedure to write a new mail message off line. After you write a message, it is placed onto the **Outbox** tab.

To write a new mail message

1. On the initial screen that appears when your first enter the Mail Mode, tap the **New** button to display a new mail message input screen.



- You can also display the above screen by tapping the **New** button in the tool bar at the top of the **Inbox** tab or **Outbox** tab, or by tapping **New message** on the Action Menu.
2. Tap the **To**, **Cc**, **Bcc**, and **Reply-To** fields, and use the procedure under “Addressing Mail” on page 96 to specify addressees.
 - You must specify an addressee for the **To** field, but input for the **Cc** (carbon copy), **Bcc** (blind carbon copy) and **Reply-To** fields is optional.
 3. Tap the **Subject** field and input the subject of the message.



- Though including a subject is always a good idea, it is completely optional.
4. Tap the **Message** field and input the text of the message.



- After everything is the way you want, tap **Save** to place the message onto the **Outbox** tab.



- A mail message must have data in its **To** fields. The PV Unit will refuse to store the message if it does not contain **To**.
- You can input up to 16KB (about 16,000 characters) of text (including **To**, **Cc**, and other header fields) for each mail message.
- Tapping **Save** or **Send** after inputting a message that contains too many characters, causes the error message **Too many total characters for To, Cc, Bcc, Reply-To, and Subject** appear on the display. Try deleting some characters and then tap **Save** or **Send** again.

Addressing Mail

You can input addresses into the **To**, **Cc**, **Bcc**, and **Reply-To** fields of a mail message using e-mail addresses stored in the Contacts Mode or by manually typing in e-mail addresses.

To manually input an e-mail address

- While inputting a mail message, tap an address field (**To**, **Cc**, **Bcc**, or **Reply-To**).



2. Use the stylus to type the characters that make up the address to which you want to send the message.
 - Type carefully, making sure the address is correct. A single wrong character will result in the message not being sent.
 - If you want to input more than one address in the same field, separate them with commas.
3. After you are finished, tap **NEXT** or tap another field on the screen.

To input an e-mail address using Contacts Mode data

1. While inputting a mail message, tap an address field (**To**, **Cc**, **Bcc**, or **Reply-To**).
2. On the tool bar at the top of the screen, tap **Adr**.



- To return to the text input keyboard from the above screen, tap **⌨**.
3. Tap either the **Business** or **Personal** tab to display the type of Contacts data you want to use.
 4. Use the index at the bottom of the screen and the scroll bar at the side to locate the address you want.
 - The operations you use to find an address are similar to those described under “Viewing Contacts Data” on page 51.

5. Tap the address you want to input.
 - This inputs the address into the addressee field where the cursor is located.
 - If the field where you are inputting the address already has an address in it, the above step automatically inputs a comma at the current cursor location and then inputs the newly selected address.
6. After you are finished, tap **NEXT** or tap another field on the screen.

■ Sending Mail

Use the following procedure to send all unsent mail messages currently on the **Outbox** tab. Note that you can batch send all unsent messages or any single message.

You can start a send operation from a variety of different screens, and the type of screen currently on the display determines the type of send operation you can perform.

Screen Type	All Unsent Messages	Single Message
Initial Mail Mode Screen	Yes	No
Action Menu	Yes	No
Mail Message Input Screen	No	Yes
Outbox Tab	Yes	Yes
Mail Message Display Screen	No	Yes

Important!

- An unsent message is one on the **Outbox** tab that has an asterisk (unsent mark) to the left of its name.
- “(·)” indicates a message that was not sent properly for some reason.
- Sending a message does not remove it from the **Outbox** tab. It merely removes the asterisk (unsent mark) to the left of the message. You must use the procedure under “Deleting Data” on page 152 to delete messages from the **Outbox** tab.

- Outbox shows only the mail to be sent through the currently selected access point. Mail to be sent through other access points is not shown.
- If you do not input your login password into the LOGIN PASSWORD field when setting up your access point (page 89), the PV Unit will prompt you to input it each time you try to send mail. When the password prompt appears, input the correct login password and then tap the **Set** button in the toolbar. To cancel the send operation, tap **Esc**.

Sending All Unsent Messages

You can send all unsent messages currently in the **Outbox** tab either by using the **Send** button at the top of a screen or by tapping the **Send** button on the initial Mail Mode screen.

- You can also send all the unsent messages by tapping **Send** on the Action Menu. Tapping **Send & Receive** on the Action Menu sends queued messages and picks up any mail waiting on the server.

To send all unsent messages with the tool bar Send button

1. Tap the **Send** button in the tool bar at the top of the screen.
 2. On the menu that appears, tap **Send all**.
 3. In response to the confirmation message that appears, tap **Yes** to send all unsent messages or **No** to abort the procedure without sending anything.
- If you tap **Yes**, the PV Unit initializes the modem, dials the number of the currently selected access point, logs in to the host computer, sends the mail messages, and then disconnects.
 - Tapping **Esc** during the above sequence cancels the connection and send operation.

To send all unsent messages from the Mail Mode initial screen

1. While the Mail Mode initial screen is on the display, tap the **Send** button.
 2. In response to the confirmation message that appears, tap **Yes** to send all unsent messages or **No** to abort the procedure without sending anything.
- If you tap **Yes**, the PV Unit initializes the modem, dials the number of the currently selected access point, logs in to the host computer, sends the mail messages, and then disconnects.
 - Tapping **Esc** during the above sequence cancels the connection and send operation.

Sending a Single Mail Message

Use the following procedure to send a single specific message from among the unsent messages on the **Outbox** tab.

To send a single mail message with the tool bar Send button

1. On the **Outbox** tab, highlight the unsent mail message you want to send.
 - You could also display the text of the message you want to send (page 96).
2. Tap the **Send** button in the tool bar at the top of the screen.
3. On the menu that appears, tap **One message**.
 - The PV Unit initializes the modem, dials the number of the currently selected access point, logs in to the host computer, sends the mail message, and then disconnects.
 - Tapping **Esc** during the above sequence cancels the connection and send operation.

To send a single mail message using from the mail message input screen

While the mail message input screen is on the display, tap the **Send** button.

- The PV Unit initializes the modem, dials the number of the currently selected access point, logs in to the host computer, sends the mail message, and then disconnects.
- Tapping **Esc** during the above sequence cancels the connection and send operation.

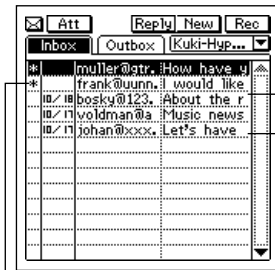
Picking Up and Reading Mail

The following procedure dials in to your Internet service provider and picks up any mail waiting for you.

To pick up mail

When the **Inbox** tab is on the display, tap the **Rec** button in the tool bar at the top of the screen.

- You could also tap the **Receive** button on the Mail Mode initial screen or tap **Receive** on the Action Menu.
- The PV Unit initializes the modem, dials the number of the currently selected access point, logs in to the host computer, picks up your mail (if there is any), and then disconnects.
- Tapping **Esc** during the above sequence cancels the connection and receive operation.
- If there is new mail, the message **You've got mail!** appears on the screen. Tap **OK** to clear the message dialog box.
- Picked up mail is placed onto the **Inbox** tab.
- Tapping **Send & Receive** on the Action Menu sends queued messages and picks up any mail waiting on the server.



Messages that have been read do not have asterisks.

Indicates a message has not been read yet.

- Inbox shows only the mail received through the currently selected access point. Mail received through other access points is not shown.
- The following describes the fields that are supported by the PV Unit for incoming e-mail messages.

Field	Description
Date & Time	• The date and time the mail was sent
From	• The address of the person who sent the mail
To	• The address of the person to whom the mail was sent
Cc	• Others to whom the mail was sent (as specified by the sender in the Cc field)
Reply-To	<ul style="list-style-type: none"> • The address to which your reply is sent • If there is no Reply-To address specified, your reply is sent to the address in the From field.
Subject	• The message subject as specified by the sender
Message	• The text of the message

To read the contents of a mail message

On the **Inbox** tab, rotate the **Action** control up or down to select the message you want to view, and then press the **Action** control to display the mail message screen.

- You can also display a mail message screen by double-tapping it on the **Inbox** tab.

Note**Send and Receive Operation Limits**

- Send Only: Approximately 16KB (16,000 characters), or 100 messages
- Receive Only: Approximately 24KB (24,000 characters), or 100 messages

Mail Message Size Limits

The maximum size of a single mail message that can be received by the PV Unit is 24 KB. When a message has more than 24KB, anything past 24KB is cut off, which is indicated by **-Continued-** at the bottom.

How Communication Errors and Full Memory Affects Mail

Memory becoming full can make it impossible to store a received mail message. If memory becomes full, delete some data you no longer need and pick up the mail again.

Binary Mail

The PV Unit does not support receipt of binary format mail (non-text data or programs) from a computer or other source, except for another PV Unit.

Undeleted Mail

Mail messages that are larger than 24KB and messages that are skipped for some reason are not deleted from the host regardless of whether the “Delete picked up mail only.” option is checked (on) or unchecked (of). Check the “Delete all mail.” option to delete messages larger than 24KB.

-Attachments- in the Message Text

-Attachments- indicates that the mail message has a file attached to it. Note that your PV Unit can receive only attachments created by a PV Unit. Any other attachments are not received.

Replying to Mail

Use the following procedure to reply to a mail message you have received from someone else. This procedure automatically inserts the proper address into the **To** field of the message you write.

To reply to a mail message

1. On the **Inbox** tab, highlight the message to which you want to reply.
 - You could also display the mail message screen of the message to which you want to reply.
2. Tap the **Reply** button in the tool bar at the top of the screen.
3. On the menu that appears, tap **Reply** to send your reply to the originator of the message only (the address on the **From** field of the received message), or **Reply all** to send your reply to all parties of the original message, including those in the **From**, **Cc**, and **Bcc** fields.



Quote of received message

- The full text of the original message is quoted inside your reply, with “>” marks to the left of each line. You can leave this text as it is, delete part of it and leave only the parts that are important, or delete all of it.
 - “>” marks are counted in the total number of characters in the reply message. If the addition of “>” marks causes the reply message to exceed the maximum limit of 16KB, everything in excess of the limit is cut.
4. Tap the **To**, **Cc**, **Bcc**, and **Reply-To** fields, and use the procedure under “Addressing Mail” on page 96 to specify addressees.
 - You must specify an addressee for the **To** field, but input for the **Cc** (carbon copy), **Bcc** (blind carbon copy), and **Reply-To** fields is optional.
 - Be sure to check the contents of the **To**, **Cc**, **Reply-To**, and **Subject** fields in your reply to a message that contains a large number of characters in these fields. Some of the contents of these fields may be deleted when there are too many characters.

5. Type in your reply text.



6. After everything is the way you want, tap **Save** to place the message onto the **Outbox** tab.

Forwarding Mail

Use the following procedure to forward a mail message you have received to someone else.

To forward a mail message

1. On the **Inbox** tab, highlight the message you want to forward.
 - You could also display the mail message screen of the message you want to forward.
2. Tap the **Reply** button in the tool bar at the top of the screen.
3. On the menu that appears, tap **Forward**.

Quote of received message

- The full text of the original message is quoted with “>” marks to the left of each line.
 - “>” marks are counted in the total number of characters in the forward message. If the addition of “>” marks causes the forward message to exceed the maximum limit of 16KB, everything in excess of the limit is cut.
4. Tap the **To**, **Cc**, **Bcc**, and **Reply-To** fields, and use the procedure under “Addressing Mail” on page 96 to specify addressees.
 - You must specify an addressee for the **To** field, but input for the **Cc** (carbon copy), **Bcc** (blind carbon copy), and **Reply-To** fields is optional.
 - Be sure to check the contents of the **To**, **Cc**, **Reply-To**, and **Subject** fields in your forward of a message that contains a large number of characters in these fields. Some of the contents of these fields may be deleted when there are too many characters.
 5. Input any other data you want into the **Subject** and **Message** fields.
 6. After everything is the way you want, tap **Save** to place the message onto the **Outbox** tab.

Copying a Mail Name and Address into Contacts

Use the following procedure to copy the name and address of a mail message into Contacts. Note that a mail name and address are assigned to the Personal category.

Copied from:	Copied to:
Mail Mode From address	Contacts Mode E-mail field
From nickname	Contacts Mode Name field (A space is inserted when there is no nickname in the From field.)

To copy a mail name and address into Contacts


1. On the **Inbox** tab, highlight the mail message whose name and address you want to copy.
2. Tap the **Menu Bar** icon to display the menu bar, and then tap **Option – Address copy**.

Quick-Memo Mail Attachments

To attach a Quick-Memo to a mail message

1. While writing a mail message, tap the **Att** button.
2. Input the Quick-Memo you want.
3. After you are finished inputting the Quick-Memo, tap **Att**.
 - This returns to the mail input screen.
4. Tap **Save** to save the message.

To view an attached Quick-Memo

1. Display the mail message to which the Quick-Memo is attached.
2. Tap the **Att** button.
3. Tap the  button to return to the mail message screen.

To copy an attached Quick-Memo into the Quick-Memo Mode

1. Display the mail message to which the Quick-Memo is attached.
2. Tap the **Att** button.
3. Tap the **QM** button.
4. Tap the category to which you want to copy the Quick-Memo.

To delete an attached Quick-Memo

1. Display the attached Quick-Memo you want to delete.
2. Tap the **Del** button to delete the Quick-Memo.

Changing the Sizes of Inbox and Outbox Columns

You can change the sizes of the columns on the Inbox and Outbox screens by using the stylus to drag them left and right.