

Call Settings (M 12–6)

Voicemail & Diverts (M 12–6–1)

This service can be used to divert incoming calls that you cannot answer. Calls can be diverted to another phone number or to your voicemail system.

Note

- *This service may not be available on all mobile phone networks. Contact your service provider for more information.*

To Set the Voicemail Numbers

You can divert calls to the network voicemail service centre. Depending on whether you are inside or outside your network area, you can set two voicemail numbers, a number for your home network area or for a roaming network area.

Note

- *This service depends on the SIM card. Contact your SIM card vendor for more information.*

“Settings” → “Call Settings” → “Voicemail & Diverts” → “Voicemail” → “Settings” → “Voicemail Numbers”

1. Select “Home Mailbox” or “Roam Mailbox”.
2. Enter the desired phone number.

To Access the Voicemail Centre

1. Press and hold  in standby.

To Activate the Voicemail Service

“Settings” → “Call Settings” → “Voicemail & Diverts” → “Voicemail” → “Activate”

1. Select one of the following options:

“Always”:	Diverts all calls without ringing.
“When Busy”:	Diverts incoming calls while you are talking on the phone.
“No Answer”:	Diverts incoming calls if you do not answer a call within a certain period of time.
“Not Reachable”:	Diverts incoming calls when your phone has no network service or is switched off.

If you select “No Answer”, select the period of time from 6 levels (05 to 30 seconds).

2. Press .

To Activate the Diverts Service

Select the appropriate option.

“Settings” → “Call Settings” → “Voicemail & Diverts” → “Diverts”

1. Select “Activate” or “By Service”.

If you select “By Service”, you can select further divert options.

2. Select from “Always”, “When Busy”, “No Answer” or “Not Reachable”.

If you select “No Answer”, select the period of time from 6 levels (05 to 30 seconds).

3. Enter a phone number to which you wish to divert calls or search for it in the Contacts List (p. 34).

4. Press .

Note

- When “Voice Calls” diverts are set to “Always”, “” is displayed in standby.

To Check the Diverts Status

“Settings” → “Call Settings” → “Voicemail & Diverts” → “Status”

1. Select the diverts option you wish to check.

To Deactivate the Diverts/Voicemail Service

“Settings” → “Call Settings” → “Voicemail & Diverts” → “Deactivate”

1. Select the desired option.

To Cancel the Diverts and Voicemail Service

Once you have changed the diverts settings, you can cancel them all with this service.

“Settings” → “Call Settings” → “Voicemail & Diverts” → “Cancel All”

Call Waiting (M 12–6–2)

Note

- This service may not be available on all mobile phone networks. Contact your service provider for more information.

If you wish to be able to receive another incoming call while you have a call in progress, you must activate the Call Waiting service.

“Settings” → “Call Settings” → “Call Waiting”

1. Select “On”, “Off” or “Status”.

Showing Your Phone Number (M 12–6–3)

This lets you control whether to show your phone number when calling another party or not.

“Settings” → “Call Settings” → “Show Your Number”

1. Select “On”, “Off” or “Status”.

Note

- Some networks do not support this service. Please check with your service provider for availability.

Restrict Calls (M 12–6–4)

This function lets you place restrictions on incoming and outgoing calls. To activate this option you will need the specified password, which is available from your service provider.

“Settings” → “Call Settings” → “Restrict Calls”

1. Select “Outgoing Calls” or “Incoming Calls”.

“Outgoing Calls”: Restricts outgoing calls.

“Incoming Calls”: Restricts incoming calls.

2. Select one of the following options:

(For “Outgoing Calls”)

“Bar All Outgoing Calls”: Restricts all outgoing calls except emergency calls.

“Bar International Calls”: Restricts all outgoing international calls.

“Only Local & Home”: Restricts all outgoing international calls except to your home country.

(For “Incoming Calls”)

“Bar All Incoming Calls”: Restricts all incoming calls.

“Bar if Abroad”: Restricts all incoming calls when you are outside of the coverage from your registered service provider.

3. Select one of the following options:

“All Services”: Restricts all services.

“Voice Calls”: Restricts all voice calls.

“Video Calls”: Restricts all video calls.

“Fax”: Restricts all fax calls.

“Messages”: Restricts all messages.

4. Select “On”, “Off” or “Status”.

5. Enter the network password.

To Cancel Settings

“Settings” → “Call Settings” → “Restrict Calls”

1. Select “Outgoing Calls” or “Incoming Calls”.

2. Select “Cancel All”.

3. Enter the network password.

Rejecting an Incoming Call

You can register phone numbers you do not wish to answer.

To Reject the Registered Number

“Settings” → “Call Settings” → “Restrict Calls” → “Rejected Numbers” → “Switch On/Off”

1. Select “On” or “Off”.

To Register the Rejected Number

“Settings” → “Call Settings” → “Restrict Calls” → “Rejected Numbers” → “Set Rejecting Number”

1. Select a blank field.
2. Enter the desired number.

Withheld Call

“Settings” → “Call Settings” → “Restrict Calls” → “Withheld Call”

1. Select “On” or “Off”.

Changing the Network Password

“Settings” → “Call Settings” → “Restrict Calls” → “Change N/W Password”

1. Enter the old network password.
2. Enter a new network password.
3. Enter the new network password again.

If you enter the incorrect password, you are asked to enter the password again.

4. Press .

Fixed Dialling No.

When the Fixed Dialling No. is enabled, you can only call pre-registered numbers.

To Enable Fixed Dialling No.

“Settings” → “Call Settings” → “Restrict Calls” → “Fixed Dialling No.” → “Switch On/Off”

1. Select “On” to enable this function.

To Add a New Name

“Settings” → “Call Settings” → “Restrict Calls” → “Fixed Dialling No.” → “Edit Dial List”

1. Highlight the blank entry, press [Options], then select “Add New Dial”.
2. Enter your PIN2 code.
3. Add a name and a phone number.

For details on adding a name and a phone number, see “Add New Contact” on page 34.

4. Press [Save].

Minute Minder (M 12–6–5)

Minute Minder function informs you of your talk time by sounding a tone after every minute.

“Settings” → “Call Settings” → “Minute Minder”

1. Select “On” or “Off”.

Displaying Call Timer (M 12–6–6)

“Settings” → “Call Settings” → “Display Call Timer”

1. Select “On” or “Off”.

Displaying Call Costs (M 12–6–7)

“Settings” → “Call Settings” → “Display Call Cost”

1. Select “On” or “Off”.

Auto Redial (M 12–6–8)

“Settings” → “Call Settings” → “Auto Redial”

1. Select “On” or “Off”.

Video Call Settings (M 12–7)

Set various types of functions and services for video calls.

Selecting an image for the Alternative Image (M 12–7–1)

You can select an image shown to the caller between the sub camera image and an alternative image from the saved picture files.

“Settings” → “Video Call Settings” → “Camera Picture”

1. Select “Default Image” or “Alternative Image”.

For “Default Image”, select “Internal Camera” or “Alternative Image”.

For “Alternative Image”, select “Preset Picture” or “My Pictures”.

Turning On or Off the Speakers (M 12–7–2)

“Settings” → “Video Call Settings” → “Loudspeaker”

1. Select “On” to turn on the loudspeakers on the sides of your phone, or select “Off” to turn it off.

Selecting the Picture Quality (M 12–7–3) (M 12–7–4)

Select the desired data format for your environment.

“Settings” → “Video Call Settings” → “Incoming Picture Quality”

“Settings” → “Video Call Settings” → “Outgoing Picture Quality”

1. Select from “Normal”, “Quality Prior” or “Frame Rate Prior”.
Select “Frame Rate Prior” to perform faster communication.

Backlight (M 12–7–5)

With this setting On, the phone's backlight is on when making a video call.

“Settings” → “Video Call Settings” → “Backlight”

1. Select “Always On”, “Always Off” or “As Normal Setting”.

The “As Normal Setting” option depends on the backlight setting of the main display (p. 97).

Mute (M 12–7–6)

You can mute the microphone while making a video call.

“Settings” → “Video Call Settings” → “Mute Microphone”

1. Select “On” to mute or “Off” to cancel mute.

Assigning Hold Guidance Picture (M 12–7–7)

You can display an image saved in the phone on your main display while you are putting a call on hold.

“Settings” → “Video Call Settings” → “Hold Guidance Pict”

1. Select “Preset Picture” or “My Pictures”.
2. Select the desired picture.

Security (M 12–8)

Enabling/Disabling the PIN Code (M 12–8–1)

If the PIN code is enabled you are asked to enter the PIN code each time the phone is switched on. Your PIN code is registered on the SIM/USIM card and you should have been made aware of the code when you purchased the SIM/USIM card. Contact your service provider for further details.

“Settings” → “Security” → “PIN Entry” → “Switch On/Off”

1. Select “On” to enable the PIN code or “Off” to disable.
2. Enter your PIN code.

Note

- If you enter the wrong PIN code three times in step 2, the SIM/USIM card will lock. To remove the lock, contact your service provider/ SIM/USIM card vendor.

To Change the PIN Code

This allows you to change the PIN code registered on the SIM/USIM card. Before you change the PIN code, select “On” in step 1 in “Enabling/Disabling the PIN Code”.

“Settings” → “Security” → “PIN Entry” → “Change PIN”

1. Enter the existing PIN code.
2. Enter a new PIN code.
3. Enter the new PIN code again.

Changing the PIN2 Code (M 12–8–2)

The PIN2 code is used to protect certain functions in the phone such as Fixed Dialling No. and call cost limits. The following shows you how to change the PIN2 code.

“Settings” → “Security” → “Change PIN2”

1. Enter the existing PIN2 code.
2. Enter a new PIN2 code.
3. Enter the new PIN2 code again.

Handset Lock (M 12–8–3)

The Handset Lock is an additional security feature which prevents unauthorised use of the phone or certain features.

“Settings” → “Security” → “Handset Lock”

1. Select “On” or “Off”.
2. Enter your handset code.

Function Lock (M 12–8–4)

By setting this option on, all the functions of your phone will be locked until the correct handset code is entered.

“Settings” → “Security” → “Function Lock”

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code”.

To Turn Off the Function Lock

Enter your handset code in standby to turn the Function Lock off.

Contacts Lock (M 12–8–5)

The Contacts Lock function prevents unauthorised use of your Contacts List.

“Settings” → “Security” → “Contacts Lock”

1. Select “On” to lock or “Off” to unlock.
2. Enter your handset code.

Showing Secret Data (M 12–8–6)

By setting this option on, the hidden data can be displayed.

“Settings” → “Security” → “Show Secret Data”

1. Select “On” to display or “Off” to hide.
2. Enter your handset code when you select “On”.

Changing the Handset Code (M 12–8–7)

The default handset code is “9999”.

“Settings” → “Security” → “Change Handset Code”

1. Enter the old handset code.
2. Enter a new handset code.
3. Enter the new handset code again.

Master Reset (M 12–9)

Resetting All Settings from M1 to M12 (M 12–9–1)

“Settings” → “Master Reset” → “Reset Settings”

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code”.

Resetting All Settings from M1 to M12 and All Created Data (M 12–9–2)

“Settings” → “Master Reset” → “Reset All”

1. Enter your handset code.

For details on the handset code, see “Changing the Handset Code”.

Call Log (M 9)

The phone will record the last 30 missed calls, received calls and dialled numbers.

Viewing Call Log

“Call Log”

1. Select from “All Calls”, “Dialled Numbers”, “Missed Calls” or “Received Calls”.

The selected call log list is displayed.

To switch logs, press  or .

2. Select the phone number you wish to view.

If you wish to dial the number, press .

Tip

- You can also confirm call logs by pressing  in standby.

Sending Messages

1. In the call log list, highlight the phone number or name you wish to send a message to.
2. Press [Options] and select “Create Message”.

For details on creating a message, see “Creating a New Message” on page 49.

Note

- The Postcard service is not available with some service providers. Please contact your service provider for more information.

Deleting a Call Log

1. In the call log list, press [Options] and select “Delete” or “Delete All”.

Call Timers (M 9–5)

This function lets you check the duration of your calls.

Checking the Duration of the Last Call and All Calls

“Call Log” → “Call Timers”

1. Select “Received Calls” or “Dialled Calls”.

Resetting Call Timers (M 9–5–3)

“Call Log” → “Call Timers” → “Clear Timers”

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code” on page 106.

Data Counter (M 9–6)

You can confirm the number of bytes used in the 3G (UMTS) and GSM transmission.

“Call Log” → “Data Counter”

1. Select from “Last Data” or “All Data”.

Resetting All Data Counter (M 9–6–3)

“Call Log” → “Data Counter” → “Clear Counter”

Call Costs (M 9-7)

This function lets you check the charges for your calls. *Some networks do not support Charging Advice. Please check with your service provider for availability.*

Checking the Cost of the Last Call (M 9-7-1)

"Call Log" → "Call Costs" → "Last Call"

Checking the Total Call Cost (M 9-7-2)

"Call Log" → "Call Costs" → "All Calls"

Setting the Charge Rate (M 9-7-5)

Set the charge rate to calculate the call cost and set the maximum limit for call cost.

"Call Log" → "Call Costs" → "Cost Units" → "Set Units"

1. Enter your PIN2 code.
2. Enter a currency unit (up to 3 characters).
3. Enter a cost per unit.

To enter a decimal point, press .

Setting the Charge Limit (M 9-7-6)

This function is useful if you wish to make sure you do not exceed a certain charge limit.

"Call Log" → "Call Costs" → "Max Cost" → "Set Limit"

1. Enter your PIN2 code.
2. Enter a value.

Checking the Residual Credit (M 9-7-3)

"Call Log" → "Call Costs" → "Residual Credit"

Resetting All Call Costs (M 9-7-4)

"Call Log" → "Call Costs" → "Clear Costs"

1. Enter your PIN2 code.

Connectivity (M 10)

By configuring the settings in this menu, you can connect to *Bluetooth* wireless technology or Infrared enabled phones via these connections, as well as a PC via *Bluetooth* wireless technology or Infrared connections.

Bluetooth (M 10–1)

For using the *Bluetooth* wireless function, you need to search for other *Bluetooth* wireless technology enabled devices to establish contact with your phone. Keep your phone within a distance of 10 metres from the devices before searching.

Using the Bluetooth Wireless Function

To Turn On or Off (M 10–1–1)

“Connectivity” → “Bluetooth” → “Switch On/Off”

1. Select “On” or “Off”.

The *Bluetooth* wireless setting is activated, “On” is selected and “ ” is displayed.

To Show or Hide Your Phone (M 10–1–2)

“Connectivity” → “Bluetooth” → “Visibility”

1. Select the desired visibility settings.

“Show My Phone”: Allows other devices to recognise your phone.

“Hide My Phone”: Hides your phone from other devices.

To Search for Devices to be Paired (M 10–1–3)

A maximum of 16 devices can be searched for.

“Connectivity” → “Bluetooth” → “Search for Devices”

1. Select the desired device for pairing.
2. Enter the device passcode.

Note

- If the *Bluetooth* wireless function is off before searching, the phone turns the *Bluetooth* wireless function on automatically and starts searching.
- You can only select one device for pairing. To change the paired device, see “To Activate the Paired Device” on page 110.

Tip

- You can save battery power by turning the *Bluetooth* wireless function off while it is not in use. Turn the *Bluetooth* wireless function off in “To Turn On or Off” or in “To Turn Off Automatically” on page 110.
- During a call, you can divert voice calls to the paired handsfree device. Press [Options], select “Transfer Audio” and then “To *Bluetooth*” or “To Handset”. If you wish to disconnect the paired device, select “Off”.

To Activate the Paired Device (M 10–1–4)

Paired devices are listed by tabs for all devices and for handsfree devices.

“Connectivity” → “Bluetooth” → “Paired Devices”

1. Press  to switch to the list for handsfree devices.
2. Select the desired device you wish to activate.

To Rename or Delete the Paired Devices

“Connectivity” → “Bluetooth” → “Paired Devices”

1. Press  or  to switch between all devices and handsfree devices.
2. Highlight the desired device.
3. Press [Options].
4. Select “Change Name” or “Delete”.

You can rename or delete by pressing  after selecting desired device.

To Send All Data to Other Devices (M 10–1–5)

You can send all the data for applications such as Contacts List, Calendar, Tasks, etc. to selected devices.

“Connectivity” → “Bluetooth” → “Send All”

1. Select the desired device.

If a device is not specified, searching starts automatically.

2. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code” on page 106.

3. Enter the device passcode for unpaired devices.
4. Select the desired data to send.

Note

- If the handsfree device is connected, the confirmation screen to deactivate the handsfree function is displayed. Press [Yes] to deactivate.

Bluetooth Wireless Settings (M 10–1–6)

With this setting you can rename your phone, prevent other phones from recognising your phone, turn the *Bluetooth* wireless function off automatically to save battery power, etc.

To Rename Your Phone

You can rename your phone. The name is shown in other devices when your phone is detected.

“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Device Name”

1. Enter the new device name.

To Turn Off Automatically

“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Bluetooth Timeout”

1. Select the desired time.

Your phone turns the function off automatically after the specified time.

To Switch the Handsfree Settings

You can switch modes of the handsfree kit between two modes; talking with the handsfree kit or talking with the phone.

“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Handsfree Setting”

1. Select “Private mode” or “Handsfree mode”.

“Private mode”: For talking with the phone

“Handsfree mode”: For talking with the handsfree kit

To Turn the Authentication Request On or Off

You can request the sender or receiver of the OBEX data to authenticate the passcode (exchanging the passcode) before pairing devices.

“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “Authentication”

1. Select “On” or “Off”.

Note

- No authentication is required for the paired devices.
- Even if you select “Off”, you may authenticate the passcode when the sender requests it.

To See Your Phone Details

“Connectivity” → “Bluetooth” → “Bluetooth Settings” → “My Phone Details”

Infrared (M 10–2)

In order to use the infrared function, you need to search for other infrared enabled devices to establish contact with your phone. Keep your phone within a distance of 20 centimetres from the other phone before searching. The infrared setting will return to off when no data is transmitted/received via infrared communication.

Turning On or Off (M 10–2–1)

“Connectivity” → “Infrared” → “Switch On/Off”

1. Select “On” or “Off”.

The infrared setting is activated, and “” is displayed.

Sending All Data to Other Devices (M 10–2–2)

“Connectivity” → “Infrared” → “Send All”

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code” on page 106.

2. Select the desired data to send.

3. Enter the authorisation code.

Network Settings (M 10–3)

Selecting a Service Automatically

Each time the power is turned on, your phone selects a service automatically.

“Connectivity” → “Network Settings” → “Select Service”

1. Select “Auto”.

Selecting a Service Manually

“Connectivity” → “Network Settings” → “Select Service”

1. Select “GSM”.

Selecting a Network Automatically

Each time the power is turned on, your phone always tries to connect to the preferred network.

If your phone is not connected to the network, you can perform the following immediately to establish the preferred network connection.

“Connectivity” → “Network Settings” → “Select Network” → “Automatic”

Setting the Network Manually

“Connectivity” → “Network Settings” → “Select Network” → “Manual”

1. Select the desired network.

Adding a New Network

“Connectivity” → “Network Settings” → “Select Network” → “Add New Network”

If there are no entries, press  and go to step 2.

If there is an entry, press  and perform the following steps.

1. Select “Add”.
2. Enter the country code (up to 3 digits).

3. Enter the network code (up to 3 digits).
4. Enter a new network name (up to 25 characters).
5. Select “Select network type”.
6. Select the desired network.

Editing the Preferred List

“Connectivity” → “Network Settings” → “Select Network” → “Set Preferred”

1. Select the name of the network you wish to edit.
2. Select “Insert” to insert over the selected position, “Add to end” to insert at the end or “Delete” to delete.

Showing the Network Information (M 10–3–3)

“Connectivity” → “Network Settings” → “Network Information”

Information about the operator name, package and services are displayed.

Flight Mode (M 10–4)

When the Flight Mode is set to “On”, the phone cuts off the network connections and stops searching for available networks to connect. With this mode, you can play games or music even when you fly.

“Connectivity” → “Flight Mode”

1. Select “On” or “Off”.

Internet Settings (M 10–5)

Note

- In normal operations, you do not need to change the settings.
- Internet settings have already been entered in your phone depending on your service provider. You may have restrictions on viewing, deleting, copying or modifying the settings. Contact your service provider for details.

WAP Settings (M 10–5–1)

“Connectivity” → “Internet Settings” → “WAP Settings” → “Create New”

“Profile Name”:	WAP profile name (Unique name)
“Proxy”:	Proxy setting for WAP (When “Use Proxy” is On)
“Access Point”:	Access point for WAP (When “Use Proxy” is Off)
“Use Proxy”:	Setting to connect by Proxy or not
“Home”:	Home page URL (When “Use Proxy” is Off)

Streaming Settings (M 10–5–2)

“Connectivity” → “Internet Settings” → “Streaming Settings” → “Create New”

“Profile Name”:	Profile name for streaming (Unique name)
“Proxy Address”:	Proxy address
“Proxy Port Number”:	Port number (1-65535)
“Access Point”:	Access point

Proxy Settings (M 10–5–3)

“Connectivity” → “Internet Settings” → “Proxy” → “Create New”

“Proxy Name”:	Proxy name (Unique name)
“Proxy Address”:	IP address
“Access Point”:	Access point
“Home”:	Home page URL
“Port Number”:	Port number (1-65535)
“Authentication Type”:	Authentication Type (“HTTP-BASIC” or “HTTP-DIGEST”)
“User Name”:	User name for authentication
“Password”:	Password for authentication

Access Point Settings (M 10–5–4)

“Connectivity” → “Internet Settings” → “Access Point” → “Create New”

“Access Point Name”:	Access point name (Unique name)
“APN”:	APN setting
“Authentication Type”:	Authentication type (“NONE”, “PAP” or “CHAP”)
“User Name”:	User name for access point
“Password”:	Password for access point
“DNS”:	DNS (Domain Name System)
“Linger Time”:	Linger Time (1-99999 sec.)

Re-Provisioning Settings (M 10–5–5)

“Connectivity” → “Internet Settings” → “Re-Provisioning Settings” → “Execute Pending”

Clearing DNS Cache (M 10–5–6)

“Connectivity” → “Internet Settings” → “Clear DNS Cache”

White List (M 10–5–7)

“Connectivity” → “Internet Settings” → “White List” → “Create New”

“SMSC Address”:	SMSC address
“SM Originating Address”:	SM originating address

To Activate the WAP/Streaming Profile

“Connectivity” → “Internet Settings”

1. Select “WAP Settings” or “Streaming Settings”.
2. Select the desired profile you wish to activate.

To Edit/Copy/Delete the WAP/Streaming Profile

“Connectivity” → “Internet Settings”

1. Select “WAP Settings” or “Streaming Settings”.
2. Highlight the desired profile.
3. Press [Options] and select the desired option.

“Edit”:	Modify the desired item
“Copy”:	Enter the new file name
“Delete”:	Press [Yes] to delete

Memory Card (M 10–6)

With a memory card inserted in your phone, you can make backup files of Bookmarks, Text, Contacts, Calendar and Tasks in the handset memory card to the memory card. You can also restore the backup data from the memory card.

Making a Backup File on the Memory Card

“Connectivity” → “Memory Card” → “Backup/Restore” → “Backup”

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code” on page 106.

2. Select the desired item to backup or “Select All” to backup all files.

Restoring a Backup File

“Connectivity” → “Memory Card” → “Backup/Restore” → “Restore”

1. Enter your handset code.
2. Select the desired item to restore or “Select All” to restore all files.
3. Select the desired file to restore.
A confirmation message indicating deletion from the handset memory is displayed.
4. Press [Yes].

Note

- To delete a backup file, highlight the desired item, press [Options] and select “Delete” after performing steps 1 to 3.

Formatting Memory Card (M 10–6–2)

“Connectivity” → “Memory Card” → “Format Card”

1. Enter your handset code.

The default handset code is “9999”. For details on changing the handset code, see “Changing the Handset Code” on page 106.

2. Press [Yes] to start formatting.

Connecting 903SH to Your PC

You can use the following functions by connecting the 903SH to your PC using an Infrared port, a USB port* or *Bluetooth* wireless technology port:

- 3G/GSM modem
- Handset Manager for 903SH

* Requires an optional USB data cable XN-1DC30 for USB port connection.

System Requirements

Operating System:

Windows® 98*, Windows® Me, Windows® 2000**,
Windows® XP***

- * Windows® 98 Second Edition
- ** Service Pack 4 or later
- *** Service Pack 2 or later

Supported Software:

Microsoft® Outlook/Outlook Express

Interface:

Infrared port, USB port or *Bluetooth* wireless port

CD-ROM drive

3G/GSM Modem

You can use 903SH as a 3G/GSM modem to access the Internet from your PC. Connect your phone to your PC via *Bluetooth* wireless technology or USB interface. Software installation on your PC is required. For details, see “Software Installation” on page 117.

Modem via the USB Cable

To use the modem function using a USB cable, use the cable mentioned above and see the instructions accompanying the cable.

Modem via Bluetooth connection

To use the modem function via *Bluetooth* wireless technology interface, see “Using the Bluetooth Wireless Function” on page 109 and turn the modem function on.

For details on software support, refer to the following site:

<http://www.sharp-mobile.com>

Note

- *Modem communication is not possible while communicating with the Handset Manager via Bluetooth wireless technology, Infrared or USB interface.*
- *Your phone exhausts the battery when connected to a PC, even when not communicating.*

Handset Manager

You can transmit the following items between your phone and your PC, and can use Contacts List entries on your PC:

- My Items files (pictures/sounds/video clips/Other Documents data)
- Contacts List entries
- Schedule entries

To use the Handset Manager function, see “Connecting 903SH to Your PC” on page 116 and set your phone to Data Transfer mode.

For details on software support, refer to the following site:

<http://www.sharp-mobile.com>

Software Installation

1. Insert the supplied CD-ROM into your CD-ROM drive.

The 903SH CD-ROM screen is displayed.

If the 903SH CD-ROM screen is not displayed, double-click [Launcher.exe] in your CD-ROM.

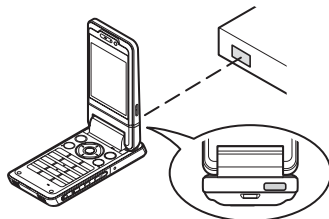
2. Press the desired button.
3. Follow the on-screen instructions to complete installation.

Note

- The phone may not recognise the USB data cable if it is connected while an application (Camera, My Items, etc.) is running. Connect the USB data cable in standby.

Infrared Communication

- Infrared ports need to be aligned with each other.
- Infrared ports need to be placed within 20 cm of each other and within a 30° angle.



3G/GSM modem

- It is not recommended that you make or answer calls when you are using 903SH as a 3G/GSM modem. The operation may be interrupted.

Handset Manager

- Some large files may not be able to be transmitted from the PC to the phone.
- Applications (Camera, My Items, etc.) do not run when the phone is connected to the PC via Bluetooth wireless technology interface, Infrared or USB data cable.

Troubleshooting

Problem	Solution
The phone does not turn on.	Make sure the battery is properly inserted and charged.
PIN code or PIN2 code is rejected.	- Make sure you have entered the correct code (4 to 8 digits). - Your SIM/USIM card/protected functions will become locked after three unsuccessful attempts. - Contact your SIM/USIM provider if you do not have the correct PIN code.
The SIM/USIM card becomes locked.	- Enter the PUK code (8 digits) provided by your service provider (if supported). - If the attempt is successful, enter the new PIN code and confirm your phone is operational again. Otherwise contact your dealer.
The display is difficult to read.	Adjust the backlight brightness for the display.
Phone functions do not work after the phone is turned on.	- Check the radio signal strength indicator as you may be outside the service area. - Check to see if any error message is displayed when you turn your phone on. If so, contact your dealer. - Make sure the SIM/USIM card is correctly inserted.

Problem	Solution
Calls cannot be made or received.	- If the message "SIM card error" is displayed when the phone is switched on, you cannot use your SIM/USIM card or the SIM/USIM card is damaged. Contact your dealer or network service provider. - Check your call barring, fixed dialling setting, remaining battery and call forwarding settings. - Check if your phone is currently performing data communication using Infrared (IrDA), <i>Bluetooth</i> wireless technology interface or a USB data cable. - Check the remaining balance if you are using a pre-paid SIM/USIM card.
Call quality is poor.	Your current location may not provide good call quality (i.e., in a car or train). Move to a location where radio signal strength is greater.

Problem	Solution
Cannot access network service.	• Check where your account has been registered and where the service is available.
Cannot send or receive text message.	• Make sure you are correctly subscribed for the Short Message Service, that the network supports this service, and that the centre number is set up correctly. If not, contact your network service provider.
Cannot connect to Multimedia Messaging Service provider.	• MMS settings and configuration may be missing or incorrect or the network does not support it. Check your service provider's access point number. Contact your service provider to confirm the correct settings.
Limited memory available.	• Delete any unnecessary data.
Call is terminated unexpectedly.	• Magnetised objects such as health necklaces placed near the phone may terminate the call. Keep your phone away from such objects.
No entries are displayed in the Contacts List.	• Confirm that the Contacts Location setting (Handset or SIM/USIM) is correct.

Problem	Solution
Fax transmission failure.	• Before transmitting fax data, configure your fax software to use the software flow control. • Use of the optional data cable is recommended for transmitting fax data.
Cannot receive OBEX data.	• The OBEX data can only be received only in standby. The message "Please return to standby." is displayed.

Safety Precautions and Conditions of Use

Your phone conforms to international regulations insofar as it is used under normal conditions and in accordance with the following instructions.

CONDITIONS OF USE

Electromagnetic waves

- Do not switch on your phone aboard an aircraft (as your phone may interfere with the aircraft's electronic systems). Current legislation forbids this use and legal action can be taken against the user.
- Do not switch on your phone in a hospital, except in designated areas.
- Use of your phone's function may affect the performance of medical electronic units (pacemakers, hearing aids, insulin pumps, etc.). When the phone function is on, do not bring it near medical equipment or into areas in which medical equipment is being used. If you have a hearing aid or a pacemaker, only use the phone on the opposite side of your body from where it is located. The phone should be kept at least 6 inches (15.24 cm) from a pacemaker ANYTIME the phone is switched on.
- Do not switch on your phone near gas or flammable substances.
- Observe the rules concerning the use of mobile phones at gasoline stations, chemical plants and at all sites where a risk of explosion exists.

Caring for your phone

- Do not allow children to use your phone without supervision.
- Do not open or attempt to repair your phone yourself. The product can only be repaired by authorised service personnel.
- Do not drop your phone or subject it to severe impacts. Bending the body and pushing the display or keys with extreme force could damage the phone.
- Do not use solvents to clean your phone. Use only a soft, dry cloth.
- Do not carry your phone in your back pocket as it could break when you sit down. The display is made of glass and is particularly fragile.
- Avoid touching the external connector on the underside of the phone, since the delicate components within can be damaged by static electricity.

Battery

- Use your phone only with batteries, chargers and accessories recommended by the manufacturer. The manufacturer disclaims any liability for damage caused by the use of other chargers, batteries or accessories.
- **Network configuration and phone usage will affect talk-time and standby time.**
Using the games or camera will hasten battery consumption.

- **When the battery charging alert is displayed on the screen, charge the battery as soon as possible.** If you continue using your phone ignoring the alert, the phone may cease to function, and all data and settings you have stored may be lost at any moment.
- Before removing the battery from the phone, make sure the phone is switched off.
- Replace and charge the new battery as soon as possible after removing the old one.
- Do not touch the battery terminals. Batteries can cause damage, injury or burns if a conductive material touches exposed terminals. When the battery is detached from the phone, use a cover made of non-conductive material for keeping and carrying the battery safely.
- Recommended temperature for using and storing batteries is approximately 20°C.
- The batteries' performance is limited in low temperatures, particularly below 0°C and the phone may not work temporarily regardless of the amount of remaining battery power.
- Exposing the phone to extreme temperatures will shorten battery life.
- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk-time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

See "Battery Disposal" on page 12.

Memory Card

- Do not remove or insert a memory card while data on the card is being edited. Do not turn off the phone or device containing the memory card while data on the card is being edited as this may damage the data or cause the card to stop functioning correctly.
- Data may be lost under the following circumstances.
 - If the phone is dropped, or shook, or force is applied while the memory card is inserted.
 - When the phone is used in areas that are exposed to static electricity or electric noise.
- Backup your important data in case data on the memory cards are lost due to malfunctions.
- Do not touch the metal terminals with your hands or metal objects.
- Do not bend the memory card or subject it to violent impact. Keep it away from water and high temperatures.
- SHARP holds no responsibility for the loss or damage of data contained on a memory card.
- Keep all memory cards out of the reach of small children.

Aerial Care

- Do not cover the top of the phone (p. 8, No. 21) with your hand when in use as this may interfere with the performance of the built-in aerial. Call quality may deteriorate leading to shortened talk-time and standby time because the mobile phone has to operate on a higher power level than is necessary.
- Use only the aerial supplied or one approved by Sharp for your mobile phone. Using unauthorised or modified aerials may damage the mobile phone. Moreover, since the mobile phone may violate the appropriate regulations, it may lose performance or exceed the limitation of SAR levels.
- To avoid impaired performance, do not damage the aerial of the mobile phone.
- While talking directly to the microphone, please hold the mobile phone so that the aerial is upwards over your shoulder.
- To avoid interfering with blasting operations, please turn off the mobile phone in a blasting area or in a place where a "turn off two-way radio" sign is posted.

Camera Operation

- Learn picture quality, file formats, etc. beforehand.
The taken pictures can be saved in JPEG format.
- Be careful not to move your hand while taking pictures.
If the phone moves while taking a picture, the picture can become blurred. When taking a picture, hold the phone firmly to prevent it from moving, or use the delay timer.
- Clean the lens cover before taking a picture.
Fingerprints, oils, etc. on the lens cover hinder clear focusing.
Wipe them off with a soft cloth before taking a picture.

Others

- As with any electronic storage unit, data may be lost or corrupted under various circumstances.
- Before connecting the phone with a PC or a peripheral unit, read the operation manual for the other unit carefully.
- If the phone's battery has been removed for some time, or the phone has been reset, the unit's clock and calendar may be reinitialised. The date and time should be updated in this case.
- The phone uses a magnet to recognise that the phone is closed.
Do not place magnetic cards near your phone or get the card caught in the phone as it may damage the recorded data.

ENVIRONMENT

- Keep your phone away from extreme heat. Do not leave it on the dashboard of a car or near a heater. Do not leave it in any place that is extremely damp or dusty.
- Since this product is not waterproof, do not use it or store it where fluids such as water can splash onto it. Raindrops, water spray, juice, coffee, steam, perspiration, etc. will also cause malfunctions.

PRECAUTIONS CONCERNING VEHICLE USE

- It is the user's responsibility to check the local laws governing the use of a mobile phone in vehicles. Pay full attention to driving. Pull off to the side of the road, park the car, and switch off the engine before making or answering a call.
- Use of your phone's function may interfere with the vehicle's electronic systems, such as the ABS anti-lock brakes or the air-bag. To ensure no such problem occurs, please check with your dealer or car manufacturer before connecting your phone.
- Only allow qualified service maintenance personnel to install the vehicle accessories.

The manufacturer disclaims any liability for damage which may result as a consequence of improper use or use contrary to the instructions contained herein.

SAR

Your Sharp mobile phone has been designed, manufactured and tested so as not to exceed the limits for exposure to electromagnetic fields recommended by the Council of the European Union. These limits are part of comprehensive guidelines developed by independent scientific organisations. The guidelines include a substantial safety margin designed to assure the safety of the phone user and others and to take into account variations in age and health, individual sensitivities and environmental conditions. European standards provide for the amount of radio frequency electromagnetic energy absorbed by the body when using a mobile phone to be measured by reference to the Specific Absorption Rate (SAR). The SAR limit for the general public is currently 2 watts per kilogram averaged over 10 grams of body tissue. Your Sharp mobile phone SAR value is **0.544** watts per kilogram. This has been tested to ensure that this limit is not exceeded even when the phone is operating at its highest certified power. In use however your Sharp mobile phone may operate at less than full power because it is designed to use only sufficient power to communicate with the network.

INFORMATION ON PROPER DISPOSAL



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users.

1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

PRECAUTIONS FOR USE IN USA

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

Exposure to Radio Waves

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

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

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **0.355 W/kg** and when worn on the body, as described in this user guide, is **0.426 W/kg**. Body-worn Operation; This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5 cm separation distance between the user's body and the back of the phone. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID **APYHRO00041**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://www.phonefacts.net>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Specifications and Optional Accessories

Specifications

Weight:	Approximately xxx g (with battery)
Dimensions (W × H × D):	Approximately xx × xx × xx mm (without protruding parts)
Battery:	Lithium Ion, x.x V, xxx mAh

Optional Accessories

- Lithium-Ion Battery (XN-1BT70)
- Cigarette Lighter Charger (XN-1CL30)
- USB Data Cable (XN-1DC30)
- AC Charger (XN-1QC30, XN-1QC31)
- External Antenna Cable (XN-1AT90)
- Audio Remote-Controller (XN-1AR90)
- Car Holder (XN-1CH91)
- Desktop Holder (XN-1DH91)
- Stereo Headset (XN-1HS90)
- Handsfree/Microphone (XN-1HU90)
- Video Cable (XN-1VC90)

The above accessories may not be available in all regions.

For details, please contact your dealer.

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List of Menu Functions

Menu No./Main Menu	Menu No./Sub Menu1
1 Entertainment	1 Games & Applications 2 TV & Video
2 Vodafone live!	1 Vodafone live! 2 Enter URL 3 Bookmarks 4 Alert Inbox 5 My Saved Page 6 History 7 Browser Settings 8 What's New? 9 Music 10 Games & Applications 11 Ringtones 12 Pictures 13 News 14 Sport
3 Music	1 Last Played Music/Currently Playing 2 My Music 3 Download Music
4 Messaging	1 Create Message 2 Inbox 3 Drafts 4 Sent Messages 5 Outbox 6 Messenger 7 Templates 8 Media Album 9 Messaging Settings 10 Memory Status

Menu No./Main Menu	Menu No./Sub Menu1
5 Camera	
6 My Items	1 Pictures 2 Sounds & Ringtones 3 Games & Applications 4 Videos 5 Text Templates 6 Other Documents 7 Memory Status
7 Organiser & Tools	1 Calendar 2 Alarms 3 Calculator 4 Voice Recorder 5 Scanner 6 E-Book 7 Stopwatch 8 Tasks 9 World Clock 10 Countdown Timer 11 Expenses Memo 12 Phone Help
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10 Connectivity	1 Bluetooth 2 Infrared 3 Network Settings 4 Flight Mode 5 Internet Settings 6 Memory Card
11 SIM Application	
12 Settings	1 Profiles 2 Display Settings 3 Sound Settings 4 Date & Time 5 Language 6 Call Settings 7 Video Call Settings 8 Security 9 Master Reset

Note for the menu indications for the Postcard and Media Album services

- The menu indications for the Postcard and Media Album services vary in the United Kingdom and Ireland as follows:

Current indications in the user guide	Indications in United Kingdom	Indications in Ireland
"Postcard"	"live! Postcard"	(Not available)
"As Postcard"	"As live! Postcard"	(Not available)
"State/Province"	"County"	"State/Province"
"Media Album"	"live! Studio"	"Picture Album"
"To Album"	"To live! Studio"	"To Picture Album"