

Binary Runtime Environment for Wireless®

GSM1x Applications User Guide



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Introducing the GSM1x Applications User Guide

This document contains information about and instructions for using the Binary Runtime Environment for Wireless® (BREW®) GSM1x Applications included with the BREW GSM1x Porting Kit. This guide is designed for OEMs who intend to make the BREW GSM1x platform available on their devices and includes an overview and end-user procedures for each application that is included.

The following applications are described:

- GSM1x Activation Application
- GSM1x SMS Application
- GSM1x Supplementary Services Applications

The *GSM1x Applications User Guide* includes the following sections.

Activation Application

This section describes the Activation Application and provides procedures for using it.

SMS Application

This section describes the SMS Application and provides procedures for using it.

Supplementary Services Applications

This section describes the Supplementary Services Applications and provides procedures for using them.

BREW OEM documentation set

The BREW OEM documentation set includes the following documents. See each document for GSM1x-specific information.

<i>BREW® OEM Porting Guide for MSM™ Platforms</i>	Describes the interfaces required from the OEM that allow BREW to provide various applications services.
<i>BREW® OEM API Reference for MSM™ Platforms</i>	Describes the OEM mobile interface layer (MIL) and chip interface layer (ChIL) details in connection with the OEM Application Programming Interface (API).
<i>BREW® Application Manager Guide</i>	Provides application requirements for MobileShop® and the Application Manager. It also provides reference UI specifications for OEMs developing a device for a carrier.

OEM porting support

To report problems or request support for porting BREW on devices, send an email message to brew-oem-support@qualcomm.com.

To obtain platform-IDs that reference BREW configuration and related functions, send an email message to brew-oem-support@qualcomm.com.

Requesting new BREW features

Do you have ideas for features that would make the BREW OEM Porting Kit more valuable and useful to you? If so, send us email at brew-request@qualcomm.com. Each request is evaluated, and a member of the New Features Response Team will respond to your email.

Accessing the OEM extranet

You can obtain online information and support by visiting the BREW OEM extranet (<https://brewx.qualcomm.com/oem/home.jsp>). You must have an account before you can access the OEM extranet.

Activation Application

This section describes the GSM1x Activation Application (Activation Application) and how to use it.

Activation Application Overview

The Activation Application is a BREW application designed to activate or deactivate the GSM1x mode on a GSM1x-capable CDMA2000 device.

The Activation Application provides two main functions:

- Automatically performs certain provisioning operations on powerup.
- Allows the user to switch modes at any time.

Performing provisioning operations on powerup

When the device is powered on, the Activation Application performs the following provisioning functions:

- If the same SIM or R-UIM card (as during the last powerup) is detected, the Activation Application activates the most recently used mode.
- If a new card is detected, the behavior differs, depending on the type of card. If the new card is an R-UIM, CDMA 1x mode is activated. If the new card is a SIM card, GSM1x mode is activated.
- If no card is detected, the device goes into emergency mode, which allows only emergency calls.

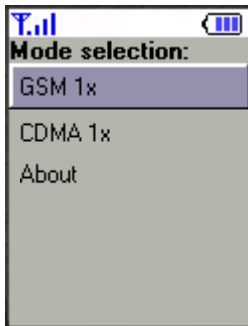
Switching modes

The Activation Application is available to the user to switch modes at any time. However, the application behaves differently, depending on the type of card present in the device, as follows:

- If a SIM card is present, the Activation Application does not do anything because the application switches the mode to GSM1x during the powerup process.
- If an R-UIM card is present, a menu appears, and the user can select the desired mode (GSM1x or CDMA 1x).

Starting the Activation Application

To start the Activation Application, scroll through the available BREW applications on your device and select the application. The Activation Application provides the following two main menu options.



Selecting **GSM 1x** activates the GSM1x mode. **CDMA 1x** activates the CDMA 1x mode.

Activation Application version

To see the version number for the Activation Application currently loaded on a device, select **About** from the main menu.

Using the Activation Application

This section describes how to switch modes using the Activation Application.

Before you switch modes

Before you switch modes, make sure you know what type of identity card is installed in the device and in what mode the device is currently operating. One way to check the current mode is to watch the screen when the device is powered on. The current mode is displayed on powerup.

When switching modes, keep the following in mind:

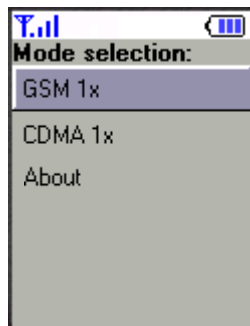
- If you have a SIM identity card in the device, GSM1x is the only available mode and is automatically activated. Therefore, you cannot activate or deactivate it.
- To be able to switch modes, an R-UIM identity card must be installed in the device.
- To see which mode is currently active on your device, power on the device and watch the screen.
- For instructions on how to install and change identity cards, see the user guide for your device.

To switch modes

NOTE: Before you switch modes, make sure the correct identity card is installed in the device. See the user guide for your particular device for instructions on installing identity cards.

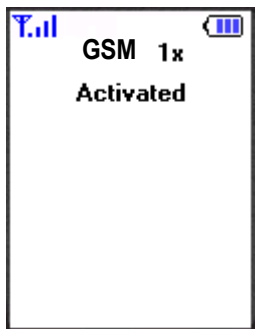
1. On the device, scroll to the **GSM1x Activation Application** and select it.

The main menu appears.



2. Select the desired mode.

The mode you chose is activated, and a confirmation similar to the following appears.



SMS Application

This section describes the GSM1x SMS Application (SMS Application) and how to use it.

SMS Application Overview

The SMS Application is a BREW application designed to allow the device user to manage voice mail and text messages.

The SMS Application main menu includes the following items.

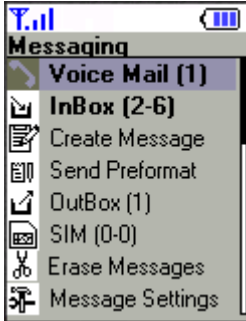
Voice Mail	Contains new and saved voice mail notifications.
InBox	Contains new and saved incoming text messages.
Create Message	Creates a new text message to be saved or sent.
Send Preformat	Creates a new text message using preformatted text. These messages can be saved or sent, as with other text messages.
OutBox	Contains outgoing text messages that have been sent.
SIM	Contains text messages that have been saved to the SIM card present in the device.
Erase Messages	Erases the selected messages.
Message Settings	Changes the voice mail number, alert, or SC address settings.
About	Displays version information for the SMS Application.

SMS Application version

To see the version number for the SMS Application currently loaded on a device, select **About** from the SMS main menu.

Accessing the SMS Application

To access the SMS Application on your device, scroll through your applications until you see the GSM1x SMS icon and select it. The main menu appears.



Using the SMS Application

This section provides procedures to perform the following functions:

- Retrieve messages.
- Send text messages.
- Erase messages.
- Change message settings.

Retrieving messages

When a new incoming text message or voice mail is received, an envelope icon and an alert appear on the device screen. The alert lets you know whether the message is a text message or a voice mail notification.

InBox and SIM cards

GSM1x basically has two places to store incoming text messages: the InBox and the SIM card. Class 2 messages are saved to the SIM card automatically. All other messages are saved to the InBox, but can be moved to the SIM card after that.

Checking voice mail

When a new voice mail notification is received, the following screen is displayed on the device.

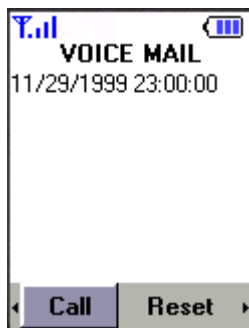


When a voice mail notification has been received, the **Voice Mail** option in the main menu is highlighted and a number indicates how many voice mail messages you have. Use the steps below to retrieve and reset voice mail notifications.

To respond to a voice mail notification

1. Select **Voice Mail** from the SMS main menu.

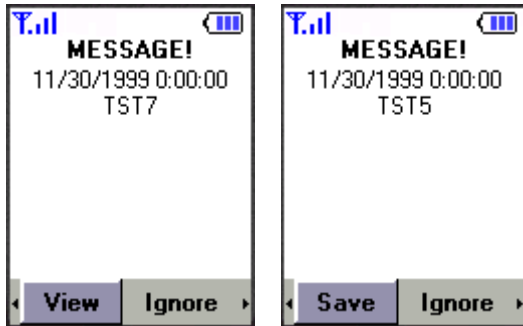
The voice mail information screen appears.



2. Do one of the following:
 - Select **Call** to call the voice mail number and listen to the voice mail.
 - Select **Reset** to remove the voice mail.
 - Press the cancel key on the device to back out of the voice mail information screen without calling the voice mail number or resetting the voice mail.

Managing incoming text messages

When a new text message is received, one of the following alerts is displayed on the device, depending on the type of text message sent.



When you select either **View** or **Save**, the text message information screen appears. The InBox option in the main menu is then highlighted and numbers in parentheses indicate how many new and total text messages you have, respectively. View appears when the message has been automatically saved or when your device is out of memory. Save appears when the message has not been saved and there is memory available to save it. Selecting **Ignore** removes the alert.

A text message information screen similar to the following is displayed when you select **Save** or **View** from the text message alert, or when you select a message for viewing from the InBox, OutBox, or SIM message list.



The following options are available from the text message information screen.

Next	Shows the next saved text message in the current message list (InBox or SIM card).
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Erase	Removes the message from your InBox. See To erase an individual text message on page 14.
Forward	Forwards the message to another number that you specify. See To forward a text message on page 15.
Reply	Creates a reply text message that you can send to the originator of the text message. See To reply to a text message on page 16.
Sender	Shows information for the sender of the message. See To see sender information for a text message on page 18.
Move to SIM (for messages saved to the InBox)	Saves the message to the SIM card present in the device. See To move a text message from either the SIM card or the InBox on page 19.
Move to InBox (for messages saved to the SIM)	Saves the message to the SIM card present in the device. See To move a text message from either the SIM card or the InBox on page 19.

To erase an individual text message

1. From the InBox, OutBox, or SIM message list, select the message to erase.

The message information screen appears.



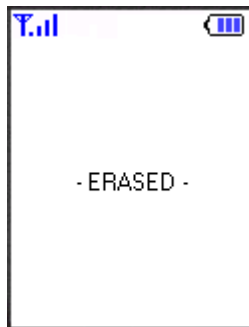
2. Select **Erase**.

A confirmation screen appears.



3. Select **Yes**.

A confirmation that the message was erased appears.



To forward a text message

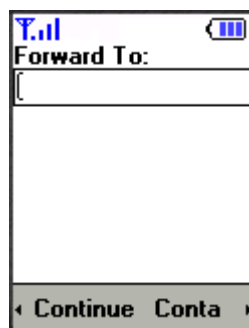
1. From the InBox or SIM message list, select the message to forward.

The message information screen appears.



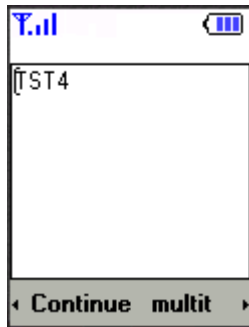
2. Select **Forward**.

The Forward To screen appears.



3. Enter the phone number or email address of the person to whom you are sending the message, or select **Contact** to see a list of contacts.
4. When you finish entering the number or address, select **Continue**.

The message to forward appears.



5. Do one of the following:
 - Change or add text to the message and select **Continue**.
 - Leave the message as it is and select **Continue**.

The Message Options screen appears.

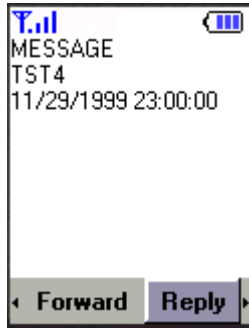


6. Do one of the following:
 - Select **Send** to send the message immediately.
 - Select **Save** to save the message to the OutBox and send it later.

To reply to a text message

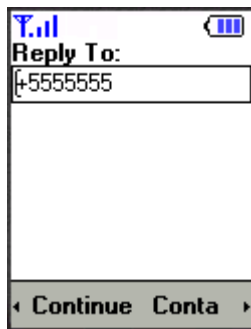
1. From the InBox or SIM message list, select the message to reply to.

The message information screen appears.



2. Select **Reply**.

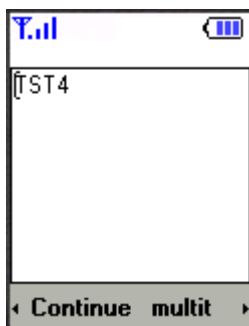
The Reply To screen appears.



3. The reply number or email address is automatically entered. You can leave the number as it is, edit the number or address, or select **Contacts** to see a list of contacts.

4. When you finish entering the number or address, select **Continue**.

The message to reply to appears.



5. Change or add text to the message and select **Continue**.

The Message Options screen appears.



6. Do one of the following:

- Select **Send** to send the message immediately.
- Select **Save** to save the message to the OutBox and send it later.

To see sender information for a text message

1. From the InBox or SIM message list, select the message to see sender information for.

The message information screen appears.



2. Select **Sender** to see the sender information.

The sender information screen appears.



3. Do one of the following:

- Select **Call** to call the sender's number.
- Select **Reply** to create a reply message to send.

To move a text message from either the SIM card or the InBox

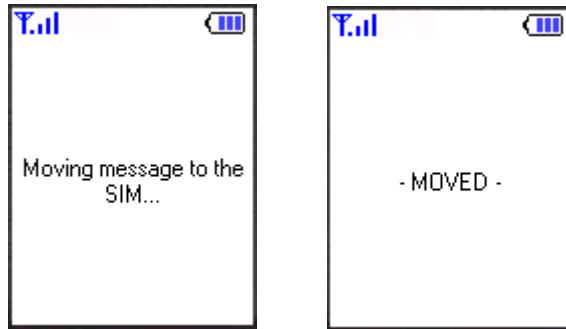
1. From the InBox or SIM message list, select the message to move.

The message information screen appears.



2. Select **Move to SIM** or **Move to InBox**.

A message appears indicating that the message is being moved, followed by another message that the move was successful.



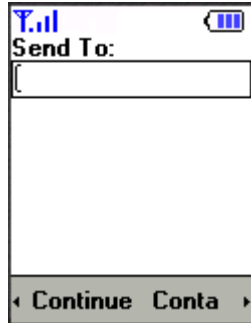
Sending messages

To send a text message, you can either create a new message that you enter manually, or send one of the preformatted text messages.

To create a new text message

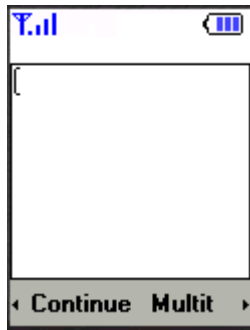
1. From the SMS main menu, select **Create Message**.

The Send To screen appears.



2. Enter the phone number or email address of the person to whom you are sending the message, or select **Contact** to see a list of contacts.
3. When you finish entering the number or address, select **Continue**.

A blank text entry screen appears.



4. Using the number keys in Multitap mode, enter your message.

NOTE: You can also switch entry modes by selecting the mode in the scroll list.

5. When you finish entering your message, select **Continue**

The Message Options screen appears.

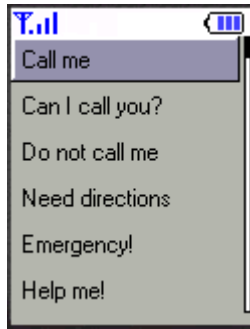


6. Do one of the following:
 - Select **Send** to send the message immediately.
 - Select **Save** to save the message to the OutBox and send it later.

To send a preformatted text message

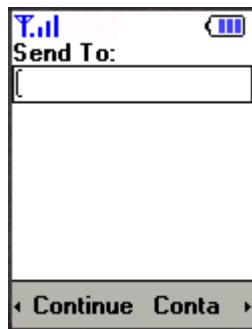
1. From the SMS main menu, select **Send Preformat**.

A list of preformatted messages appears.



2. Select the preformatted message to send.

The Send To screen appears.



3. Enter the phone number or email address of the person to whom you are sending the message, or select **Contact** to see a list of contacts.
4. When you finish entering the number or address, select **Continue**.

The preformatted text entry appears.



5. Do one of the following:
 - Change or add text to the message and select **Continue**.
 - Leave the message as it is and select **Continue**.

The Message Options screen appears.



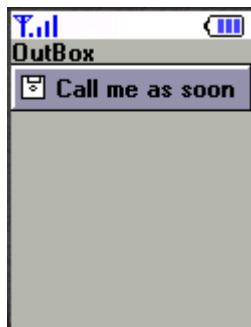
6. Do one of the following:

- Select **Send** to send the message immediately.
- Select **Save** to save the message to the OutBox and send it later.

To send a saved message

1. From the SMS main menu, select **OutBox**.

A list of previously saved and sent messages appears.



2. Select the saved message to send.

The saved message information screen appears.



3. Select **Send** to immediately send the message to the number that was saved with the message.

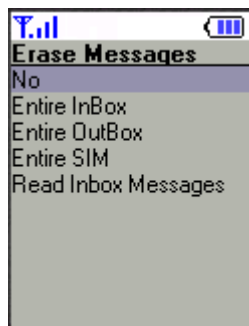
Erasing messages

You can erase individual messages in the InBox, OutBox, or SIM message list by selecting the individual message and then selecting the **Erase** option (see [To erase an individual text message](#) on page 14). You can also use the **Erase Messages** option from the main menu to erase all the messages in the InBox, OutBox, or SIM message list.

To erase multiple messages

1. From the SMS main menu, select **Erase Messages**.

The Erase Messages screen appears.



2. Select one of the following:

No	Cancel and return to the SMS main menu.
Entire InBox	Erase <i>all</i> text messages stored in your InBox.
Entire OutBox	Erase <i>all</i> messages stored in your OutBox.
Entire SIM	Erase <i>all</i> messages stored on your SIM card.

Read Inbox Messages

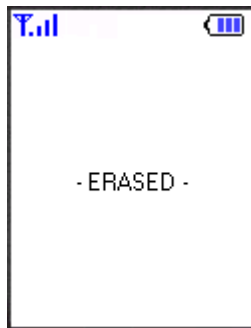
Erase *read* messages stored in your InBox.

Before the messages are erased, a confirmation similar to the following appears.



3. Select **Yes** to erase the messages.

A confirmation appears that the messages were erased.



Changing message settings

Use the **Message Settings** option from the main menu to change your voice mail number, message alerts, or SC address.

To change your voice mail number

1. From the SMS main menu, select **Message Settings**.

The Message Settings screen appears.



2. Select **Voice Mail Number**.
3. Enter or change the voice mail number as necessary and select **OK** when finished.

To change message alerts

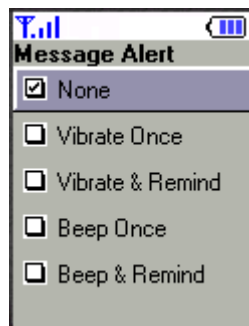
1. From the SMS main menu, select **Message Settings**.

The Message Settings screen appears.



2. Select **Message Alert**.

The Message Alert screen appears.



3. Select one of the available alerts.

To change the SC address

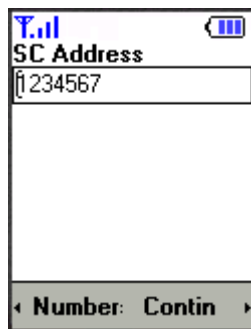
1. From the SMS main menu, select **Message Settings**.

The Message Settings screen appears.



2. Select **Edit the SC Address**.

The SC Address screen appears.



3. Change the SC Address as necessary and select **Continue** when finished.

Supplementary Services Applications

This section describes the GSM1x Supplementary Services Applications and how to use them.

Supplementary Services Applications Overview

The Supplementary Services Applications consist of the following two BREW applications:

- **Network Services Application:** This application includes options for managing call forwarding, call barring, call waiting, and line identification. These options are not call-related and are available only when the user is not in an active call.
- **Call Operations Application:** This application includes operation of services such as putting a current call on hold, setting up a new call while already in another call, handling call waiting, and setting up multiparty calls. These options are associated with calls in process and are available when the user is in an active call.

The Network Service Application and Call Operations Application are BREW client applications that run on a GSM1x-enabled device, when the device is in GSM1x mode. A device can be equipped with just one of the applications or both of them together.

Network Services Application

The Network Services Application allows the user to configure the GSM1x supplementary services and can only be used when GSM1x mode is enabled and when the device is not engaged in a call.

The Network Services Application manages the following supplementary services.

Call forwarding	Forwards incoming calls to another directory number.
Call barring	Allows the user to bar certain categories of outgoing or incoming calls.
Call waiting	Notifies the user of an incoming call when the user is already engaged in another call. Subsequently, the user can accept, reject, or ignore the incoming call.

Line identification	<p>Allows the user to view status for the following calling line identification settings:</p> <ul style="list-style-type: none"> • Calling line identification presentation (CLIP): Enables the user to receive the line identification of a calling party. • Calling line identification restriction (CLIR): Enables the user to prevent the presentation of the user's line identification to a called party.
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The Network Services Application allows you to perform the following functions on the management services listed above.

Registration	Adds or changes the information that a supplementary service uses.
Activation	Enables a supplementary service.
Deactivation	Disables a supplementary service.
Erasure	Deletes the information that a supplementary service uses.
Interrogation	Checks the current state of a supplementary service.

Network Services Application version

To see the version number for the Network Services Application currently loaded on a device, select **About** from the Network Services main menu.

Call Operations Application

The Call Operations Application allows the user to perform GSM1x supplementary services operations while in an active call. These operations can be used only when GSM1x mode is enabled and when the device is engaged in a call.

The Call Operations Application offers operation of the following services.

CLIP	Shows the user the Line Identification of the calling party.
Call hold	Allows the user to interrupt communication on an existing active call and then subsequently, if desired, reestablish communication. This service also includes hold and retrieve notifications and swapping between two calls, which places the active call on hold and retrieves the held call.
Call waiting	Notifies the user of an incoming call when the user is already engaged in another call. Subsequently, the user can accept, reject, or ignore the incoming call.
Multi party (limited to three parties)	Enables the user to have a multi-connection call (a simultaneous communication with more than one party).

Mobile origination of an additional call	Allows the user to initiate a new call when one call already exists.
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Call Operations Application features

The native device UI handles the first call. After a call has been set up, the Call Operations Application can be activated. When activated, the Call Operations Application takes over the native device UI and displays its own version of the device UI, until the traffic channel is released.

The Call Operations Application can be activated in one of two ways: manually from the native device UI, or automatically when the device is engaged in a call and an incoming (call waiting) call arrives. It is also activated for a short time when a call held or retrieved status notification from the other party is received, in which case it displays a message for a few seconds and then closes down and the native device UI takes over again.

The Call Operations Application supports CLIP operation by displaying the line identification of an incoming (call waiting) call in the Call Waiting screen.

The Call Operations Application allows you to execute a variety of supplementary services operations:

Putting calls on hold	<p>This operation includes:</p> <ul style="list-style-type: none"> Putting an active call on hold. Retrieving a held call. Swapping (or toggling) an active call and a held call (put active call on hold and retrieve the held call). Receiving hold and retrieve notifications from the other party in a call.
Handling call waiting	<p>This operation includes:</p> <ul style="list-style-type: none"> Accepting a waiting call while placing the previous call on hold. Accepting a waiting call while releasing the previous call. Rejecting a waiting call.
Handling multiparty calls	<p>This operation includes:</p> <ul style="list-style-type: none"> Building a multiparty call from an active call and a held call.
Setting up a new call	<p>This operation includes:</p> <ul style="list-style-type: none"> Setting up a new mobile originated call, if there is just a single held call.

Disconnecting calls

This operation includes:

- Ending a current call with another call on hold.
- Ending a call on hold and remaining in the current call.
- Disconnecting a single participant of a multiparty call.
- Disconnecting all the calls (exits the Call Operations Application).

Call Operations Application version

To see the version number for the Call Operations Application currently loaded on a device, select **About** from the Call Operations entry menu.

Using the Network Services Application

This section provides procedures for using the Network Services Application to configure call forwarding, call barring, call waiting, and line identification while not in an active call.

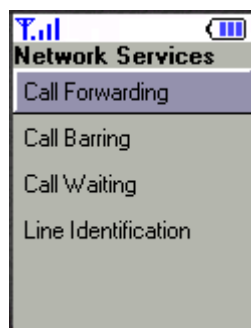
Call forwarding

The Network Services Application enables you to configure call forwarding.

To configure call forwarding

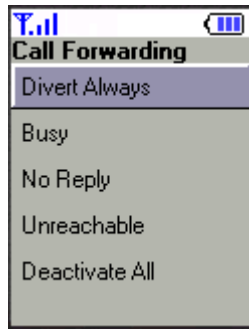
1. Start the Network Services Application from the device application.

The Network Services screen appears.



2. Select **Call Forwarding**.

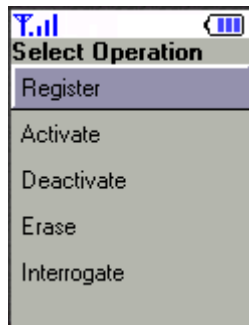
The Call Forwarding menu appears.



3. Select one of the following menu options.

- | | |
|-----------------------|---|
| Divert Always | Turns on forwarding for all calls. |
| Busy | Turns on forwarding for calls that come in when this device is in another call. |
| No Reply | Turns on forwarding for calls that come in and are not answered. |
| Unreachable | Turns on forwarding for calls that come in when the device is off or out of coverage. |
| Deactivate All | Turns off forwarding for all calls. |

The Select Operation screen appears.



4. Select one of the following options.

- | | |
|--------------------|---|
| Register | Adds or changes the number to which this type of call is forwarded. You must enter a number here before you can activate call forwarding. |
| Activate | Turns on forwarding for the type of call selected in step 3. |
| Deactivate | Turns off forwarding for the type of call selected in step 3. |
| Erase | Removes the number to which the type of call selected in step 3 is forwarded. |
| Interrogate | Gets the status of forwarding for the type of call selected in step 3. |

5. Follow the instructions on the device screen to complete the procedure.

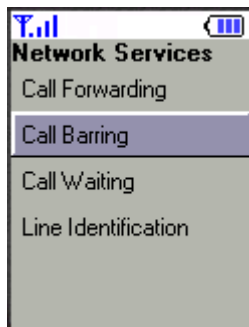
Call barring

The Network Services Application allows you to configure call barring which includes changing the call barring password.

To configure call barring

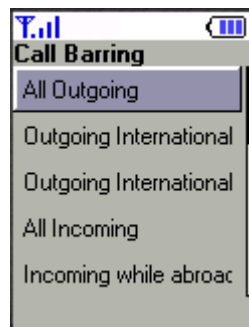
1. Start the Network Services Application from the device application.

The Network Services screen appears.



2. Select **Call Barring**.

The Call Barring menu appears.



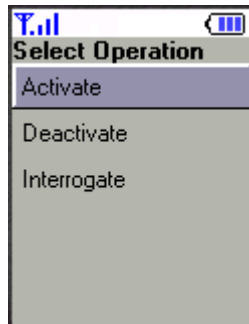
3. Select one of the following menu options;

All Outgoing	Prohibits any outgoing calls.
Outgoing International	Prohibits any outgoing international calls.
Outgoing International except for home	Prohibits any outgoing international calls, except those calls to the home PLMN country.
All Incoming	Prohibits any incoming calls.
Incoming while abroad	Prohibits any incoming calls while roaming outside the home PLMN country.

Deactivate All

Turns off barring for all calls.

The Select Operation screen appears.



4. Select one of the following options.

Activate Turns on call barring for the type of call selected in step 3.

Deactivate Turns off call barring for the type of call selected in step 3.

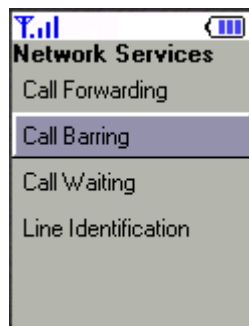
Interrogate Gets the status of call barring for the type of call selected in step 3.

5. Follow the instructions on the device screen to complete the procedure.

To change the password for call barring

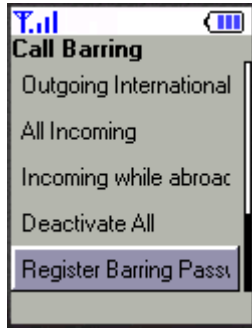
1. Start the Network Services Application from the device application.

The Network Services screen appears.



2. Select Call Barring.

The Call Barring menu appears.



3. Scroll down and select Register Barring Password.
4. Follow the instructions on the device screen to finish changing the password.

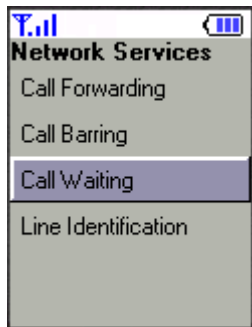
Call waiting

The Network Services Application allows you to configure call waiting.

To configure call waiting

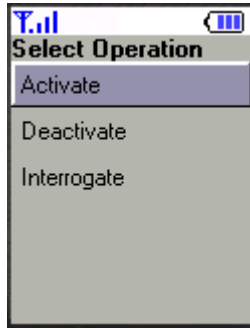
1. Start the Network Services Application from the device application.

The Network Services screen appears.



2. Select **Call Waiting**.

The Call Waiting menu appears.



3. Select one of the following options.

Activate	Turns on call waiting.
Deactivate	Turns off call waiting.
Interrogate	Gets the status of call waiting.

4. Follow the instructions on the device screen to complete the procedure.

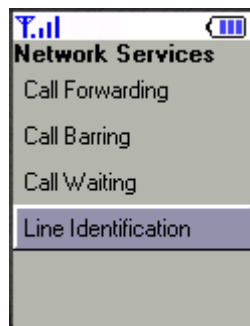
Line identification

The Network Services Application allow you to view the line identification configuration, including CLIP and CLIR.

To view status of the line identification service

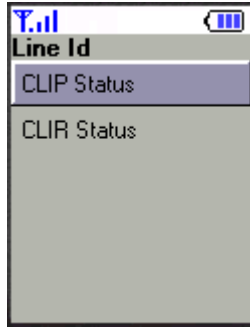
1. Start the Network Services Application from the device application.

The Network Services screen appears.



2. Select **Line Identification**.

The Line Id menu appears.



3. Select one of the following options.

CLIP Status Gets the status of the calling line identification presentation (CLIP).

CLIR Status Gets the status of the calling line identification restriction (CLIR).

The status of the selected option is displayed.

Using the Call Operations Application

This section provides procedures using the Call Operations Application to put calls on hold, handle call waiting, set up new calls, handle multiparty calls, and disconnect calls when you are in an active call.

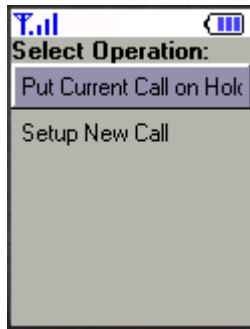
Putting calls on hold

The Call Operations application allows you to put an active caller on hold, retrieve a held call, and swap an active call and a held call.

To put an active call on hold

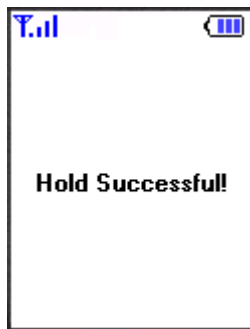
1. While in an active call, start the Call Operations Application from the device application main menu.

The Call Operations Application opens.



2. Select **Put Current Call on Hold**.

A confirmation screen appears.



NOTE: You can also put a call on hold by selecting **Hold** from the Call Operations Call Details screen while in an active call.

To retrieve a held call

1. While in an active call with another call on hold, select **Retrieve** from the Call Operations Call Details screen.



To swap (or toggle) an active call and a held call (put active call on hold and retrieve the held call)

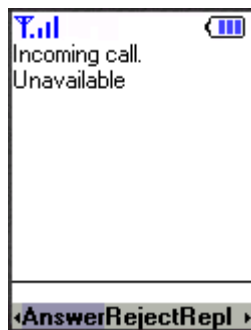
1. While in an active call with another call on hold, scroll through the options on the bottom of the device screen and select **Swap**.

The current call is put on hold and the call previously on hold becomes the active call.

Handling call waiting

The call waiting feature of the Call Operations Application allows you to accept an incoming call while placing the current call on hold, accept an incoming call while releasing the previous call, or rejecting an incoming call while remaining in the current call.

To accept an incoming call while placing the previous call on hold

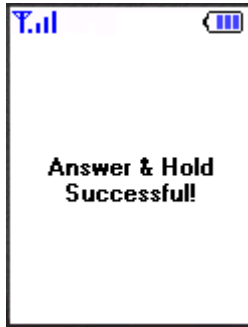


1. When the Incoming call screen appears, select **Answer** to take the incoming call and put the previous call on hold.

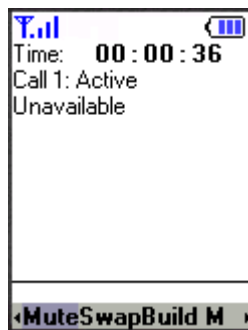
The Connecting Incoming Call screen appears.



If the connection is successful, Answer and Hold Successful! appears and the new call becomes active. The previous call is placed on hold.

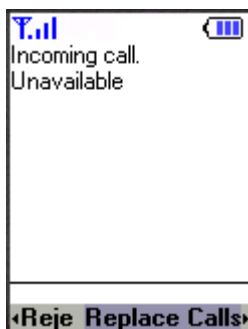


After a few seconds, the screen closes and the Call Details screen appears. The Call Details screen offers several options. The possible actions depend on the current number and state of the calls.



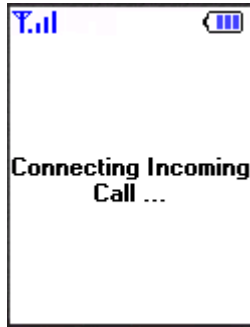
2. Once in the new call with the other call on hold, you can toggle between the two calls (see [To swap \(or toggle\) an active call and a held call \(put active call on hold and retrieve the held call\)](#) on page 39) or end one or both of the calls.

To accept an incoming call while releasing the previous call

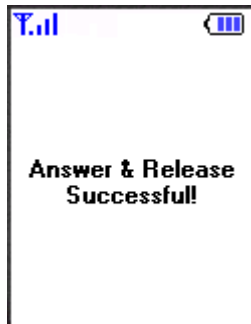


1. When the Incoming call screen appears, select **Replace** to take the incoming call and end the previous call.

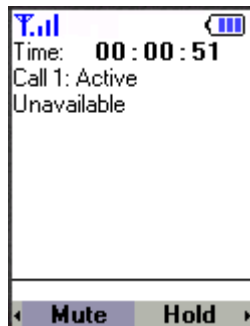
The Connecting Incoming Call screen appears.



If the connection is successful, Answer & Release Successful! appears and the new call becomes active. The previous call is released.

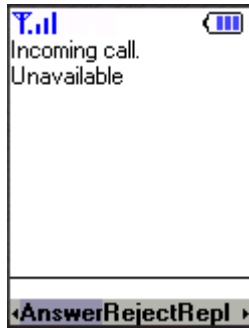


After a few seconds, the screen closes and the Call Details screen appears. The Call Details screen offers several options. The possible actions depend on the current number and state of the calls.



2. Proceed with the new call.

To reject an incoming call



1. When the Incoming call screen appears, select **Reject** to refuse to answer the incoming call and continue in the current call.

The incoming call is rejected. If the Call Forwarding Busy option is active, the incoming call is forwarded to the registered number. If the option is not active, the calling party receives a busy tone and the call is cleared.

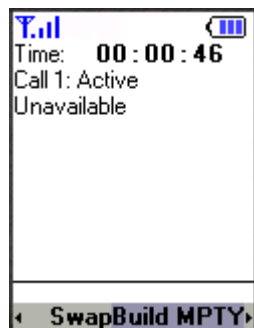
2. Continue the conversation with your original call.

Handling multiparty calls

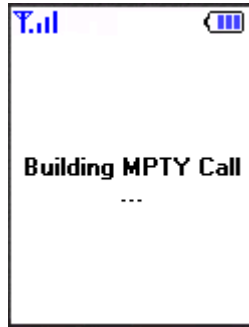
The Call Operations Application allows you to handle multiparty calls.

To build a multiparty call from an active call and a held call

1. While in an active call while another call is on hold, select **Build MPTY** from the Call Details screen.



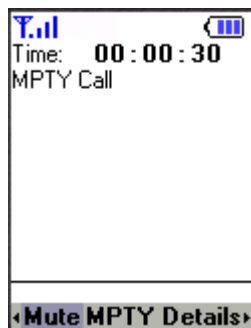
The Building MPTY Call screen appears.



Once the calls are connected successfully, *Build MPTY Successful!* appears.



After a few seconds, the screen closes and the Call Details screen is displayed. The Call Details screen displays a soft key with several actions that the user can select. The possible actions depend on the current number and state of the calls.



2. Proceed with your newly set up multiparty call.

Setting up a new mobile originated call

The Call Operations Application allows you to set up new mobile originated calls with one other call.

To set up a new mobile originated call with one other call

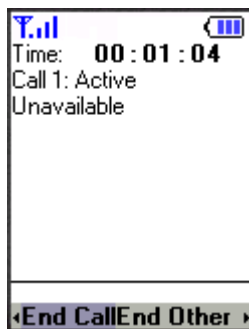
1. While in an active call, put the current call on hold (see [To put an active call on hold](#) on page 37).
2. Enter the number to dial for the second call.
3. Press **Send**.

Disconnecting calls

The Call Operations Application allows you to disconnect calls in several ways, depending on the type of call that is active.

To end current call with one other call on hold

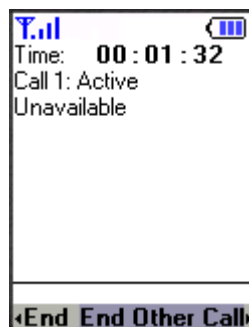
1. While in one active call with another call on hold, press **End Call** to disconnect the current call.



The current call is ended.

To end call on hold and remain in current call

1. While in one active call with another call on hold, press **End Other Call** to disconnect the held call.

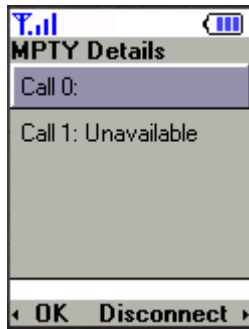


The held call is ended.

To disconnect a single participant of a multiparty call

1. From the Call Details screen, select **MPTY details**.

The MPTY Call Details screen appears.



2. Select the call to disconnect.
3. Select **Disconnect**.

To disconnect all the calls

1. While actively in multiple calls, press the **End** key to disconnect all active calls.

All calls are ended.

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