Trium®
by MITSUBISHI ELECTRIC

Trium 110

english

This guide describes the operation of the dual band GSM telephones Trium 110.

Edition 1, 2002. © Mitsubishi Electric Telecom Europe, 2002
Whilst every effort has been made to ensure the accuracy of the instructions contained in this guide, Mitsubishi Electric reserves the right to make improvements and changes to the product described in this guide and/or to the guide itself, without prior notice.

Table of contents

1. Introduction 3
SAR 3
General safety 4
Vehicle safety 4
Emergency calls 5
Care and maintenance 5
AC/DC adaptor chargers 6
Battery use 6
Your responsibility 6
Security codes 6
Disposing of waste packaging 7
The phone at a glance 8
Graphic display 9
Understanding the icons 9

2. Getting started 10
Preparing to make your first call 10
Making your first call 10
Battery 12
SIM card 14

3. Using your phone 15
Standby display 15
Important icons 15
Dialling from memory 16
Last dialled numbers 16
Speed dialling 16
Silent and vibrate alert modes 17
Hands free features 17
Muting 17
Volume adjustment 17
Sending DTMF tones 17
Pause feature 18
Holding and retrieving a call 18

4. The menu 20
Access to the menus 20
Menu map 20
Entering text 20
Network services 22
Phone book 22
Messages (SMS) 26
EMS 29
Calls & Times 29
Settings - customising your phone 32
Using the office tools 44
Games 46
Currency-converter 47
Internet/Wireless Application Protocol (WAP™) 47
GSM man machine interface codes 50

5. Accessories 51
Using the headset 51

6. Appendix 52
Glossary 52
Trouble shooting 53
Error messages 54

7. Declaration of compliance 58

Introduction

Thank you for purchasing the Trium 110 dual band mobile telephone. The phone version you have bought is either the Trium 110, the Trium 110 m or the Trium 110 p. Please check the version on the box label. The mobile telephone described in this guide is approved for use on all GSM 900/1800 networks. Some services and messages may be different according to your subscription type and/or service provider.

As with all types of radio transceivers this mobile telephone emits electromagnetic waves and conforms to international regulations when it is used under normal conditions and in accordance with the safety and warning messages given below and on page 4.

SAR

THIS TRIUM 110, TRIUM 110 m OR TRIUM 110 p PHONE MEETS THE EU REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Before a mobile phone is available for sale to the public, compliance with the European R&TTE directive (1999/5/CE) must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radiofrequency (RF) energy recommended by The Council of the European Union[1]. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones (CENELEC standard EN 50360: 2000) employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit[2] recommended by The Council of the European Union is 2.0 W/kg. Tests for SAR have been conducted using standard operating positions (with reference to CENELEC standard EN 50361: 2000) with the phone transmitting at its highest certified power level in all tested frequency bands[3]. 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 base station antenna, the lower the power output.

The highest SAR value for this Trium 110, Trium 110 m or Trium 110 p model when tested for compliance against the standard was 0.746 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the EU requirements for RF exposure.

1. European recommendation 1999/519/CE

2. The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements
3. The maximum level of GSM emitted power is 250mW at 900 MHz and 125 mW at 1800 MHz according to the GSM standard.

There are a number of independent sources of information available to users including:
Royal Society of Canada: www.rsc.ca
The International Commission on Non-Ionizing Radiation Protection (ICNIRP): www.icnirp.de
The US Food and Drug Administration: www.fda.gov/cdrh/ocd/mobil-phone.html
The World Health Organization: www.who.int/emf
Mitsubishi Electric belongs to the MMF, an international association of radio equipment manufacturers.
The MMF produces information such as this in accordance with its purpose of developing and presenting industry positions to independent research organisations, government and other research bodies.

Mobile Manufacturers Forum
Diamant Building, 80 Blvd. A. Reyers
B-1030 Brussels Belgium
www.mmfai.org

General safety

It is important to follow any special regulations regarding the use of radio equipment, due to the possibility of radio frequency, interference.
Please follow the safety advice given below.

Switch off phone and remove the battery when in an aircraft. The use of mobile telephones in an aircraft may endanger the operation of the aircraft, disrupt the cellular mobile phone network and is illegal. Failure to observe this instruction may lead to suspension or denial of mobile telephone services to the offender, or legal action, or both.

Switch off phone when at any refuelling point or near inflammable material.

Switch off phone in hospitals and any other place where medical equipment may be in use.

Respect restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.

There may be a hazard associated with the operation of phones close to inadequately protected personal medical devices such as hearing aids and pacemakers. Consult your doctor or the manufacturers of the medical device to determine if it is adequately protected.

Operation of phone close to other electronic equipment may also cause interference if the equipment is inadequately protected. Observe any warning signs and manufacturers recommendations.

Vehicle safety

Respect national regulations on the use of mobile telephones in vehicles.
Road safety always comes first! Always give your full attention to driving.

- Do not use a hand-held phone while driving. If you do not have a 'hands free' car kit, stop and park your vehicle safely before using your phone.
- If equipped with a correctly installed vehicle kit allowing 'hands free' operation and you need to make or receive a call, ensure that it is done sensibly and safely. Use pre-programmed numbers where possible and keep calls short and routine.

- If incorrectly installed in a vehicle the operation of mobile telephones can interfere with the correct operation of the vehicle electronics, such as ABS anti-lock brakes or air bags. To avoid such problems ensure that only qualified personnel carry out the installation. Verification of the protection and operation of the vehicle electronics should form part of the installation. If in doubt consult the manufacturer.
- Do not place the phone on the passenger seat or where it could break loose during sudden breaking or a collision. Always use the holder.
- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Emergency calls

In Europe, provided the phone has GSM service, emergency calls can be made using the European standard emergency number, **112**, even if you do not have a SIM in the phone. Emergency calls can even be made if the phone is PIN or electronically locked or call barred. In some countries local emergency numbers can still be used for emergency purposes but the phone may have to contain a valid SIM card.
When making an emergency call remember to give all the necessary information as accurately as possible. The phone may be the only means of communication at the scene of an emergency therefore do not cut off the call until told to do so.

☑ Mobile phones rely on wireless and landline networks which cannot be guaranteed in all conditions. Therefore you should never rely solely on wireless phones for essential emergency communications.

Care and maintenance

This mobile telephone is the product of advanced engineering, design and craftsmanship and should be treated with care. The suggestions below can help you to enjoy this product for many years.

- Do not expose the phone to any extreme environment where the temperature or humidity is high.
- Do not expose or store in cold temperatures. When the phone warms up after switch on, to its normal temperature, moisture can form inside which can damage the electrical parts.
- Do not attempt to disassemble the phone. There are no user serviceable parts inside.
- Do not expose the phone to water, rain or spilt beverages. It is not waterproof.
- Do not abuse this phone by dropping, knocking or violent shaking. Rough handling can damage it.
- Do not clean the phone with strong chemicals or solvents. Wipe it only with a soft, slightly dampened cloth.
- Do not place the telephone alongside computer discs, credit or travel cards or other magnetic media. The information contained on discs or cards may be affected by the phone.
- Do not connect incompatible products. The use of third party equipment or accessories, not made or authorised by Mitsubishi Electric, invalidates the warranty of your phone and can be a safety risk.
- Do not remove the labels. The numbers on it are important for aftersale service and other related purposes.
- Do contact an authorised service centre in the unlikely event of a fault.

AC/DC adaptor chargers

This apparatus is intended for use only when supplied with power from AC/DC adaptor chargers (FZ14130070, FZ14130060, FZ14130050, FZ14130080, FZ14130090 or FZ14130100). Use of any other charger or adaptors will invalidate any approval given to this apparatus and may be dangerous.

Battery use

You can charge a battery hundreds of times but gradually it wears out. When the operating time (stand-by and talk time) is noticeably shorter than normal it is time to buy a new battery.

- Do not leave batteries connected to a charger longer than necessary. Overcharging shortens battery life.
- Disconnect battery chargers from the power source when not in use.
- Do not expose batteries to high temperatures or humidity.
- Do not dispose of the batteries in fire. They can explode.
- Avoid putting the batteries into contact with metal objects which can short circuit the battery terminals (e.g. keys, paper clips, coins, chains etc.).
- Do not drop or subject the batteries to strong physical shocks.
- Do not try to disassemble any of the battery packs.
- Use only the recommended battery chargers (see page 6).
- If the battery terminals become soiled, clean them with a soft cloth.
- It is normal for batteries to become warm during charging.

Battery disposal

In compliance with European environmental protection directives, used batteries must be returned to the place of sale, where they are collected free of charge.
Don't throw away your batteries in your household waste.

Your responsibility

This GSM mobile telephone is your responsibility. Please treat it with care respecting all local regulations. It is not a toy; please keep it in a safe place at all times and out of the reach of children.
Become familiar with and use the security features to block unauthorised use if your phone and/or SIM card are lost or stolen. Call your service provider immediately to prevent illegal use.
When not in use lock, turn off the phone and remove the battery.

Security codes

The phone and SIM card are delivered to you pre-programmed with codes that protect the phone and SIM card against unauthorised use. A short description of each follows. See page 36 to change your PIN and phonelock codes.

PIN and PIN2 codes (4-8 digits)

All SIM cards have a PIN (Personal Identity Number). It protects the card against unauthorised use.
Some SIM cards also have a PIN2 code that protects specific features such as fixed dialling numbers.
Entering the wrong PIN code three times in succession disables the SIM card and the message **SIM Blocked. Enter PUK:** appears. To unblock the SIM you need the PUK (PIN Unblock

Key) code, obtainable only from your service provider.

PUK and PUK2 codes (8 digits)
Obtain the PUK code from your service provider. Use it to unblock a disabled SIM card (see page 37).
The PUK2 code is required to unblock the PIN2 code (see above).

Call barring password (4 digits)
This password is used to bar various types of calls, made or received, from the phone (see page 42).

Phonelock code (4 digits)
This code is set to all zeros on delivery. You can change it. Once changed it cannot be identified by the manufacturer over the phone. Please refer to page 36 for more details.

You must remember and make yourself familiar with the purpose and operation of these codes.

Disposing of waste packaging

The packaging used for this phone is made of recyclable materials and as such should be disposed of in accordance with your national legislation on the protection of the environment.
Please take care to separate the cardboard and plastic elements and to dispose of them in the correct manner.

The phone at a glance

Programmable softkeys (⌒)
The function of the softkey appears in the graphic display above the key.

Cursor key
Navigates around the memories and menus.
▲ on the cursor key: press to scroll up menus (while in the menu). In stand-by, press to access the volume control.
▼ on the cursor key. Press to scroll down menus (while in the menu). In stand-by, press to access the alert mode (ring, silent, vibrate, etc.)
▶ on the cursor key. Press to access the main menu or select a menu option.
◀ on the cursor key. Press to access the phone book or return to the previous display.

Call/SEND key (✆).
Press to make/answer a call. In stand-by, press to display the last dialled numbers list.

Earpiece

Graphic display
Telephone numbers, menus, messages, etc. are displayed here.

On/Off, END key (⏻). Hold down to turn the phone on/off. Press to end a call or return to stand-by.

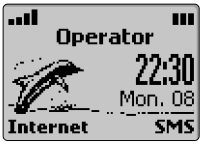
Alphanumeric keys, ① - ⑨, ✱, #.
To enter numbers, characters and punctuation marks. Press and hold ① to call the voice mail number. Press and hold ② to ⑨ keys to dial preferred numbers. Press and hold ✱ to enter international code + prefix, 'P' symbol or '_' underscore wildcard. . Press and hold # to activate the keypad lock feature.

Battery cover
(at the back of the phone)
See page 10 for further details.

Microphone

Headset, accessories and AC/DC charger socket

Graphic display



The display shows icons, alphabet characters, numbers, menu list and instructions to the user. Use the cursor keys to navigate to the phone book, Internet/WAP™ and the menu. The rest of this guide gives you the procedures to access these functions. Icons in the display are described on page 9.

Understanding the icons

Icons in the display have the following meaning:

- SIM memory in use
- Phone memory in use.
  When you enter a name and address you can choose the icon you want to go with them.
- Roaming. Displayed when the phone is logged on to a network different from its home network.
- Short message service (SMS). Displayed when you have one or more messages to read. It flashes when the SMS message bank is full and cannot store new messages. Delete one or more old messages to make space. The availability of this feature is network dependent.
  This icon will also be displayed if you receive an EMS on Trium 110 m.
- Unanswered call. Displayed when an incoming call is unanswered.
- Arrow keys. Displayed during menu operation to indicate that more items in the menu can be displayed if ▲ or ▼ are pressed.
- Voice mail. Displayed when you have a voice mail message to read.
  The availability of this feature is network dependent.
- Battery level indicator. Permanently displayed to indicate the current charge level of the battery. Three levels are shown. low, medium, full. It flashes when the battery is almost empty.
- Line 2. Indicates the second line is in use.
  The availability of this feature is network dependent.
- Signal strength level. It indicates the strength of the received signal. The more bars the stronger the signal. If no network is available the display remains blank.
- Keypad lock. Indicates whether keypad lock is on or off.
- Alarm clock icon.
- Vibrator alert icon.
- Ring tone off. All tones are off.
- Mute icon.
- Predictive text mode icon.
- WAP™ 'live' connection icon.
- WAP™ 'live' connection in security mode icon.
- Auto-switch function activated icon.

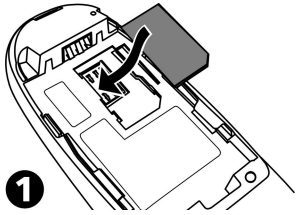
Getting started

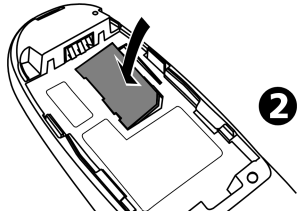
In order to become familiar with the phone quickly, follow these simple steps.

Preparing to make your first call

Inserting the SIM card

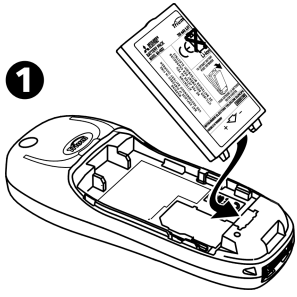
Unpack the phone and insert the SIM card into the holder, as shown below, with the gold contacts facing down.

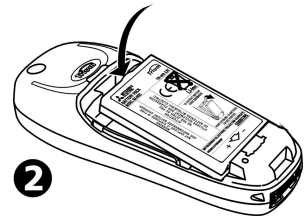




Fitting the battery

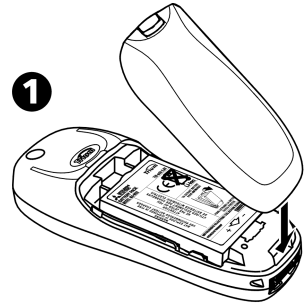
Connect the battery as shown below.

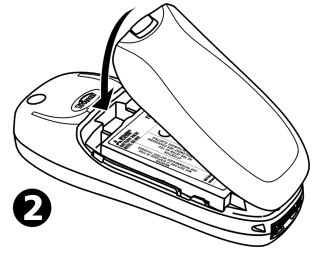




Placing the battery cover

Place the battery cover as shown below.





Making your first call

☑ If there is not enough charge in the battery to power the phone, follow the instructions for battery charging on page 13.

Turning on the phone

❶ Press and hold down ⏻ for two seconds. If this is the first time you use the phone or you remove and

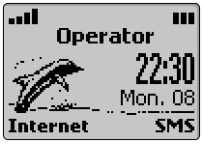
replace the battery, the phone prompts you for the date and time.
If you insert the SIM card incorrectly, the error message **Check SIM!** appears. Remove the cover and battery and make sure the SIM is inserted with the gold contacts facing down.

❷ If the mobile is locked, **Code:** appears.
Enter the 4 digit phonelock code and press **OK**. The default is 4 zeros, e.g. **0000**.

❸ If your SIM is PIN protected, **Enter PIN:** appears.
Enter the PIN code and press **OK**. An animated screen icon appears, then the stand-by display.

☑ See page 35 to change your PIN and lock codes!

Stand-by display



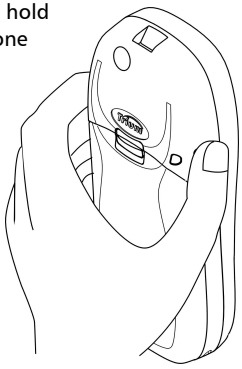
From the stand-by display:

Press...	to...
▶	enter phone menu.
◀	directly access to numbers stored in phone books.
▲	access volume control.
▼	access alert tones.
✆	access the last dialled numbers list.
⏻	stop the dialling or end a call.
⓪ - ⑨	enter numbers in the display (see also "Speed dialling", page 16).

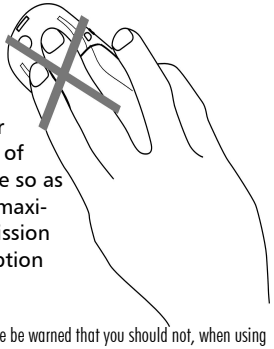
See page 37 to set the time and date.

Holding your phone

How to hold the phone



Avoid covering the upper back half of the phone so as to allow maximum emission and reception quality.



☑ Please be warned that you should not, when using the hands free mode, put the phone to your ear.

Making a call

The phone can make and receive calls only when it is switched on, unlocked (see page 15), has a valid SIM card inserted and has GSM network service coverage. If the phone cannot find a valid network the display remains blank.

❶ Enter the desired telephone number using the numeric keys (⓪ - ⑨). You can enter a maximum of 46 digits. Correct any mistakes by pressing **Clear**. Hold down this key or press ⏻ to clear the whole display.

❷ To dial (send) the number press ✆.

The phone rings and the call connects like a normal telephone. A call timer appears.

☑ You can prefix international calls with 00 or +. To enter the + symbol before a number press and hold down ✱.

You can also get the following messages if the call does not connect or you use the second line:

Your phone displays...	if the...
Busy	called party is engaged.
Not allowed (fixed dialling)	number dialled is not authorised by the FDN list (see page 25).
⊠	call is made using the second line (see page 32).

If the dialled number matches one stored in the phone book then the name of the called person appears in the display.

Receiving a call

The phone rings (or vibrates, see page 32 to set) when it receives a call. See page 33 to set the incoming ring tone. See page 34 to set the backlight.

Answering the call

Press ✆.

☑ If the ring tone volume is set to zero (off) or if the phone has been set to 'Vibrate' mode, no sound is heard.

No ring

Pressing **No ring** ⌒ stops the sound of the ring tone, which allows you to, for example, go out of a room before pressing ✆.

Service number presentation

If you have the service number presentation your phone displays the following information.

Your phone displays...	if the number is...
Unknown number, then **Call1** when connected	unavailable.
the caller's number	available but not in phone books.
Withheld number, then **Call1** when connected	withheld.

If you have a second line, ⊠ appears when the call has been received on your line 2 number (see page 18 for details).

Rejecting the call

To reject, or return a busy signal to the caller:

Press ☎.

Ending a call

Press ☎. The call timer stops and disappears.

☑ Waiting a few seconds or pressing the Exit softkey returns the phone to the stand-by display.

The phone stores the caller's number, if available, in the received calls log (see page 29).

Turning off the phone

Press and hold down ☎.

The mobile turns off.

Battery

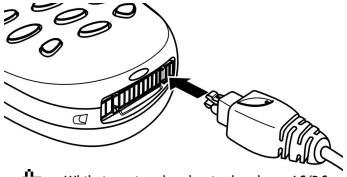
Low battery warning

When the battery power falls to its lowest level the message **Low Battery!** appears and a low battery

warning tone sounds.
If you are on a call, terminate the call and turn off the phone by pressing and holding down .
Recharge the battery as shown below or swap it for a charged one.
Do not turn off the phone by removing the battery, data can be lost.

Charging the battery

To ensure a long life for your battery, re-charge it only when the **Low Battery!** warning appears and the 'low battery' tone is heard.
Connect the charger to the phone as shown.



While inserting the plug in the phone AC/DC connector, make sure the Trium logo ( ) appears on top.

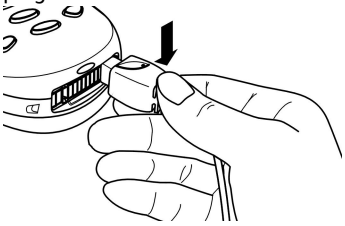
Plug the charger into the wall socket and turn on the mains. The battery starts to charge. The phone can be used while charging but this increases the charging time.

Charging indicators when the mobile is off:
During charging **Charging...** appears. When charging is finished, **Battery full** appears.
It is normal for the battery to get warm during charging.

Charging indicators when the mobile is on:
During charging the ▮▮▮ icon flashes 1-2-3 bars continuously. When charging completes the battery indicator shows three solid bars.

Disconnecting the charger

At the end of charging, disconnect the charger from the phone (see below), switch off and remove the plug from the mains.

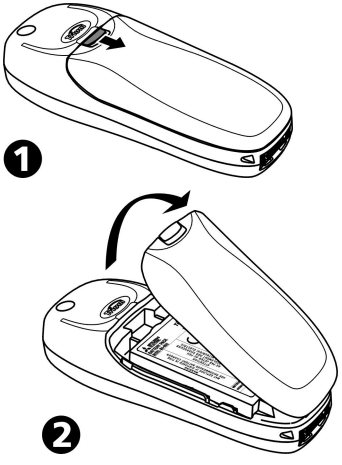


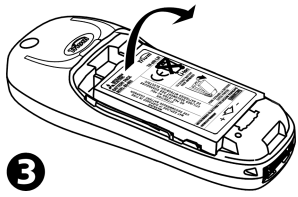
Typical charging times using the AC/DC adaptors (FZ14130070, FZ14130060, FZ14130050, FZ14130080, FZ14130090 or FZ14130100)

Battery type	Typical charging time
Standard battery (FZ14240010)	2 hours 10 minutes

Removing the battery

Remove the battery as shown blow.





❸

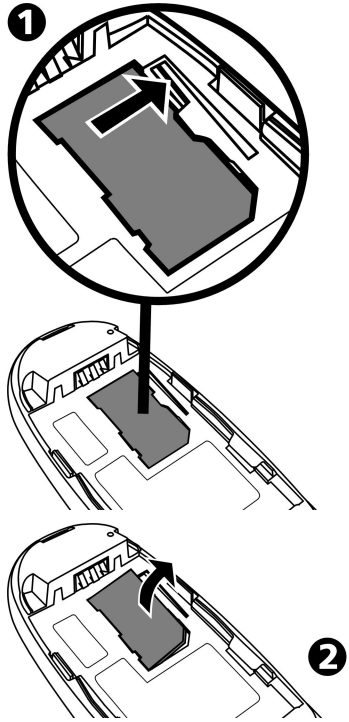
SIM card

Inserting the SIM card

Please refer to page 10.

Removing the SIM card

Remove the SIM card as shown below.



❶

❷

Using your phone

For turning on/off the mobile and making/receiving calls, see pages 10 to 12. Please note that all setting instructions described in this user guide are to be followed from the idle screen.

Standby display

Keypad lock

To prevent accidental operation of the phone, turn on keypad lock. You can still answer calls by pressing ✆. When you end a call, the keypad lock reactivates automatically.

To turn keypad lock on:

Press and hold down #. 🔒 appears.

To turn keypad lock off:

Press **Unlock** plus # or press and hold #.

You can also use the menu:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Keypad lock** to turn keypad lock on.
3. Press **Unlock** plus # to turn keypad lock off or press and hold #.

Internet/Wireless Application Protocol (WAP™)

Press **Internet** in the stand-by display to access the internet main menu and access your home page or any WAP™ portal. You can configure up to 5 WAP™ profiles and 10 bookmarks. See page 47 for more information.

Messages (SMS)

Press **SMS** in the stand-by display to access the short messages menu. You can also access it from the main menu. See page 26 for more details.

☑ Pre-programmed softkeys can be accessed from the stand-by display. These can be for instance Internet/Wap or SMS. The softkeys may be programmable according to your servce provider.

Backlight operation

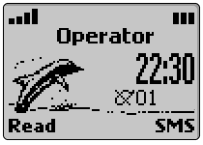
The backlight is normally off. When a key is pressed the display and keypad backlight turns on for 10 seconds. If an incoming call is received the backlight turns on and remains on for 10 seconds after the call is answered.

Important icons

- ✉ is displayed when you do not answer one or more calls. Press **Read** to view the callers' numbers if available and the date and time the call was received. Press ✆ to call the number. The phone stores unanswered call numbers in the unanswered calls log (see page 29 for details).
- 📞 appears when you receive one or several voice messages. Press **Read** to view the message or press 1 to speed dial your voice mail message centre (see pages 9 and 35 for more details).
- ✉ appears when you receive one or several SMS messages. Press **Read** to view the SMS inbox message.

  If ✉ flashes, your inbox is full. Delete one or more old messages to make space for one or more new messages (see page 26 for more details).

The display shows the number and type of messages:



Press **Read** to select the type of message you want to read. Press **Select** or ▶ to view the message.

☑ When one indicator is displayed the date is temporarily cleared. When two or three indicators are displayed both the time and date are temporarily cleared.

Dialling from memory

You can dial any number stored in the SIM, or the phone memory. To do this:

from the phone book

1. Press ◀ to enter the phone book list.
2. Use ▲ or ▼ to scroll to the required name or type the first letter of the required name and use ▲ or ▼ if necessary.
3. Press .
   In case of a **SIM memory contact** or of **a phone memory contact with one number assigned**, the phone dials the number.In case of a **phone memory contact with many numbers assigned**, use ▲ or ▼ to scroll to the number required and press . The phone dials the number.

☑ See page 22.

from the calls log memory list

The phone stores the last 10 numbers dialled, the last 10 unanswered call numbers (if available) and the last 10 received answered numbers.

1. Press ▶. Select **Calls & Times**.
2. Select **Calls log**.
3. Select **Last dial**, **Unanswered** or **Received**.
4. Use ▲ or ▼ to scroll to the number required.
5. Press to dial the number.

☑ See page 29.

Last dialled numbers

Quick access to the last 10 dialled numbers can also be obtained by pressing .

1. In the stand-by mode pressing displays a list of the last dialled numbers.
2. Use ▲ or ▼ to scroll to the number required.
3. Press to dial the number.

☑ The phone stores the last dialled numbers in the phone memory, not in the SIM.

Speed dialling

You can assign any key to any telephone number stored in the SIM and phone memory. To dial such a number:

Press and hold down the key (① - ⑨). The number appears and attempts to connect.

By default, ① is always allocated to the voice mail number (see page 38). See page 35 to allocate numbers to the speed dialling keys.

International Country Codes

Your phone allows quick access to pre-programmed International Country Codes

1. Press and hold the **'+'** key until the **'+'** symbol is displayed.
2. Select **Codes** to display the list of countries.

3. Use ▲ and ▼ and select one of the countries. The '+' symbol and the country code (e.g **+31** for the Netherlands) are displayed. It is then possible to enter the phone number and store it into one of the phonebooks (Phone names / SIM names) or delete it.

Silent and vibrate alert modes

To avoid disturbing others you can silence the incoming ring and alert tones.

Turning on

1. Press ▼.
2. Select **Silent**, **Vibrate** or **Vibrate then Ring**.

is displayed when the silent alert mode feature is activated. is displayed when the **Vibrate** or **Vibrate then Ring** features are activated.

Turning off

1. Press ▼.
2. Select **Ring** or **Vibrate & Ring**.

☑ If the ring tone volume is set to 0 a warning message appears in the display.

Hands free features

When you want to share your call with an audience, or you are in your car, use the "hands free" feature.

Turning the hands free feature on

When making a call:

Press **Speak.on** to turn the hands free feature on during the calling process.

When receiving a call:

Press **Speak.on** to accept the incoming call.

Turning the hands free feature off

Press **Speak.off**.

Muting

You can mute the microphone during a call, e.g. when you want to talk to someone nearby without the person on the phone hearing.

Turning the microphone off

1. Press **Options**.
2. Select **Mute** and select **Yes**. A warning message appears in the display. also appears.

Turning the microphone on

1. Press **Options**.
2. Select **Unmute**. A warning message appears in the display. disappears.

☑ A new call restores the microphone to on.

Volume adjustment

To adjust the volume:

1. Use ▲ or ▼ to increase or decrease the volume and press **OK**.
2. Press **Exit** or wait 2 seconds to return to the previous display.

☑ See also page 33.

Sending DTMF tones

Some remote access services require DTMF tones. These tones are used by regular telephones when you dial and when you answer questions from an automated voice service. If you are in a conversation and manually entering the numbers, no extra configuration is necessary. If, however, you want to send a number stored in memory, you must set DTMF to automatic.

Manually

To send individual DTMF tones directly from the keypad during a conversation:

Press the required keys.

The tones are heard in the ear-

piece and sent immediately.

Automatically

To send a consecutive string of DTMF tones during a conversation:

1. Press **Options**.
2. Select **Auto DTMF**.
3. Enter the DTMF numbers into the display either directly using the keypad or from a number stored in the phone book (under **Names**).
4. Press **OK**. The phone sends the tones and then shows the normal conversation display.

☑ DTMF tones cannot be sent when a call is on hold.

Pause feature

You can enter and store telephone numbers and a sequence of DTMF tones together as long as you separate them by a 'pause'. To enter a pause between numbers, press and hold down ✱. The letter **p** appears. The phone can store several pauses together for a maximum of 20-46 characters (dependent upon the SIM and the phone memory capacity).

Holding and retrieving a call

To put a call on hold during a conversation:

Press .

To retrieve a call:

Press .

To make a second call when one call is on hold:

1. Enter a number in the display. Press to dial the number.
2. After the second call has been established press to swap between the two calls.
3. To end either the current call or the held call select **End active** or **End held** in the **Options** menu. The remaining call is automatically retrieved
4. Press to end the remaining call.

☑ Both calls can be ended at the same time by pressing .

Alternatively, use **Options** to display a menu of the actions described above. Scroll to the required option and press **Select** or ▶ (see also Multi-party or conference calls (network dependent), page 19).Call waiting, swapping and multi-party conference calls

Call waiting (network dependent)

Use call waiting, a network feature, to receive a second incoming call when already engaged in a call. This puts an existing call 'on hold' while you answer or make a second call.

To turn the call waiting service on or off:

1. Press ▶. Select **Settings**. Select **GSM Services**.
2. Select **Call waiting**.
3. Select **Activate** or **Cancel**. The network confirms your request. The confirmation can take several seconds.
4. Press and hold **Exit** or to return to the standby display.

Action when receiving a second call

You hear a 'double beep' when your phone receives a second call. An animated phone icon and the telephone number (if available) also appear.

To accept the second call

Press . This answers the second call and puts the first call on hold.

To reject the second call:

Press **Reject** . This returns a busy signal to the second caller.

To swap between the two connected calls:

Press .

Multi-party or conference calls (network dependent)

Use this feature to make or receive between 2 to 5 calls at the same time with all parties being able to hear and talk with each other.

1. Make and establish a call in the normal way and press .
2. Enter another number into the display and press . The first call is put on hold when the second call becomes active.
3. Press **Options** for the following menu:

Option	Description
Auto DTMF	to enter a DTMF string to the active call only
Swap	Swaps between active and call on hold
Join	Joins active and call on hold to make a multi-party or conference call
Mute/ Unmute	Turns on or off the microphone
End held	Ends the call on hold
End active	Ends the active call and connects with the call on hold
End all	Ends all the calls
*** Private with**	Allows you to select and have a private conversation with one of the conference callers while putting all the other calls on hold
Hold/Retrieve	Holds or retrieves the conference call
*** End one**	Allows you to select and end one of the conference call participants

* These items in the **Options** menu appear if more than 2 calls are joined in the conference call.

Throughout the conference call the display shows the actions you selected from the options menu.

☑ For alternate line service (ALS), you cannot make subscribers conference calls between Line 1 and Line 2.

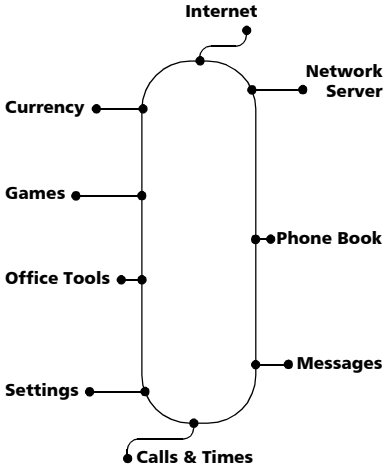
The menu

Use the round cursor key to access the menu system. Your menu options can vary. Some may not appear. This depends on your network operator and your subscription, plus on the phone version you have (check on box label).

Access to the menus

Press ◀ to view all stored telephone numbers.
Press ▶ to enter the main menu.
Hold down **Exit** ⌒ or press ☎ to exit the menus (if no call is in progress).

Menu map



Menu	Sub-menu
Internet	Home page Inbox Bookmarks Other site Profile list Settings Push parameters
Network Server	Information Services
Phone Book	Recall Store Remaining Own numbers *Fixed dialling* Phone Book tones
Messages	SMS* *Inbox* *Outbox* *Write new* *Settings* *Draft texts* *Alert* *Storage* EMS* *Inbox** *My Services** *Settings** *Service Registration**
Calls & Times	Calls log Call timers
Settings	Phone settings *Voice mail* GSM Services *Broadcast*
Office Tools	Scratchpad Alarm clock Auto-switch Calculator
Games	Reshape Push Options *Exen Games***
Currency	Settings

Items in italics depend on your subscription and your network operator.
* Available on Trium 110 m only
** Available on Trium 110 p only

Entering text

To add names to the phone books (see page 22) and write text messages (see page 26) you must enter text. The phone displays *a* in lower case mode and *A* in upper case mode when you can enter text. Use the keypad to enter/edit text.
You can enter text/numbers using T9

text entry or Multitap text entry.Press ▼ to swap between T9 text entry and the Multitap method.

To enter text with T9:

1. Press the key with the required letter only once.
   Do not be put off if the character you want is not immediately displayed.
2. The 'active' word changes as you type, so type to the end of the word.
3. If your word is not displayed, press ⓪ for other matching words.
4. If your word is not recognised, press ▼ to swap to the Multitap method to complete the word.
5. Use ◀ or ▶ to locate the cursor in the text to insert characters or make corrections.

☑ 1. T9 may not be available in all languages.
2. During number and name entry a short press on Clear deletes the last character. A long press clears the whole display.

Tips and operation

Key	Action
✱	Shift - upper/lower case on next letter. Caps lock/unlock if you press and hold it.
Clear ⌒	Clear or backspace
Press and hold	Numbers
#	Space Special character table appears if you press and hold it.
⓪	Another matching word
①	Smart punctuation
▼	Swap between T9 and Multitap method

Example

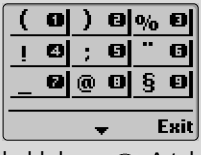
To enter **Card** in the display:

- Press ▶ and select **Messages**.
- Select **Write new**.
- Press ▼: T9 appears.
- Press ②. **A** appears.
- Press ②. **Ca** appears.
- Press ⑦. **Car** appears.
- Press ③. **Case** appears.
  If the displayed word is not the one you want, press ⓪ as many times as necessary to view **Card**.
- Press ☎ to exit from this example and return to the stand-by display.

Multitap text entry

Press on ▼ to swap between T9 text entry and the Multitap method.

To enter text with multitap:

1. Press the key with the required letter. If it is not the first letter, press key repeatedly until the letter appears. See the table that follows for a key to character correspondence.
2. Enter the next character. If two characters are on the same key, wait for the display at the top of the screen to clear or press ▶ before pressing the same key again.
3. 

   To access special characters (23 available), hold down ✱. A table appears. Press the key that corresponds to the character.
4. Press **Clear** ⌒ briefly to correct back one letter. Hold down to clear all text.
5. Press ◀ or ▶ to move the cursor in the text to insert characters or make corrections.

The following table displays the available English characters. Other languages display different character sets.

Key	Character	
	Lower case	Upper case
①	1 . , - ' @ : ?	
②	a b c 2	A B C 2
③	d e f 3	D E F 3
④	g h i 4	G H I 4
⑤	j k l 5	J K L 5
⑥	m n o 6	M N O 6
⑦	p q r s 7	P Q R S 7
⑧	t u v 8	T U V 8
⑨	w x y z 9	W X Y Z 9
⓪	0	0
✱	Short press swaps next letter between upper or lower case. Long press swaps all next letters between upper or lower case.	
#	Short press enters space. Long press gives access to special characters. ( ) % ! ; " _ @ § + # * / & = < > ¥ $ £ ¡ ¿ €	
◀ ▶	Short press moves the cursor through the text one place.	
▼	Swap between Multitap and T9.	

Example

To enter **Card** in the display:

- Press ▶ and select **Messages**.
- Select **Write new**.
- Press and hold ✱ until A/ appears. Press ② briefly three times, **C** appears.
- Wait for the available characters to go from the display, press and hold ✱ until a/ appears. Press ② briefly once, **a** appears.
- Press ⑦ briefly three times, **r** appears.
- Press ③ briefly once, **d** appears. The word **Card** appears.
- Press ☎ to exit from this example and return to the stand-by display.

Network services

Your network operator provides value added services and contact phone numbers. Depending on your operator's implementation **Applications**, **Services**, and/or **Information** appears in the display. Press ▶ and select **Network Services** to access these menus.

Phone book

The phone book stores data, usually names and telephone numbers, in the phone or SIM memory.

- The phone can store up to 100 'phone book cards' which can contain: family name, first name, icon, home phone number, work phone number, cellular phone number and a note.
- SIMs can store up to 255 'SIM phone book cards'. Actual numbers and capacity depends on your SIM. SIM phone book cards only contain the name and number.

Both the SIM and the phone memories are searched when you use the phone book.

Storing names and telephone numbers

You can enter the names and numbers in the phone book manually or copy them from SMS messages, scratchpad or last dialled number lists, etc. You can store the characters *, +, P (pause), # and _ together with numbers. See page 20 to learn how to enter text.

Store numbers in international format using the '+' prefix (or 00) before the country code followed by the telephone

number. This ensures that the number can also be dialled from abroad.

There are several ways to store numbers into the phone or SIM memory:

Phone memory

- Directly from the stand-by display:

1. Enter the number. Press **Store**.
2. Select **Phone names**.
3. A list appears. Select the item corresponding to the number you entered: home, work or cellular.
4. The following fields appear:

Field	Purpose
Family name	Family or last name
First name	First name

5. Enter the requested data. Confirm each entry by pressing **OK**.
6.

Select an icon. The icons correspond to ① - ⑥ keys on the keypad. Press the key corresponding to the required icon. In this example pressing ② selects .
7. The following fields appear:

Field	Purpose
Phone number (Home)	Home phone number
Phone number (Work)	Work phone number
Phone number (Cellular)	Cellular phone number
Note	Note or comments for this card

8. Enter the requested data. Press **OK**. Confirmation and number of free locations appear.
9. Press and hold **Exit** or to return to the stand-by display.

- Using the menu:

1. Press ▶. Select **Phone Book**.
2. Select **Store**. Select **Phone names**.
3. Follow the steps in the previous procedure ("Directly from the stand-by display") starting with step 4.

- From last dialled, received and unanswered lists:

1. Display a number from one of the above, then press **Options**.
2. Select **Store**. Select **Phone names**.
3. Follow the steps in the "Directly from the stand-by display" procedure starting with step 3.

☑ During number and name entry a short press on Clear clears the last character. A long press clears the whole display.

SIM phone book memory

You can enter the SIM memory from the stand-by display, menu or other locations.

- Directly from the stand-by display:

1. Enter the number. Press **Store**.
2. Select **SIM names**. Press **OK**.
3. Modify or confirm the number and press **OK**.
4. Enter the name. Press **OK**. Confirmation and number of free locations appear.
5. Press and hold **Exit** or to return to the stand-by display.

• Using the menu:

1. Press ▶. Select **Phone Book**.
2. Select **Store**. Select **SIM names**.
3. Enter the number and press **OK**. Enter the name and press **OK**. Confirmation and number of remaining locations appears.
4. Press and hold **Exit** or to return to the stand-by display.

• From other stored locations

Numbers stored in the last dialled, received, unanswered, scratchpad and SMS message locations can all be stored in the phone book:

1. Display a number from one of the above then press **Options**.
2. Follow the steps from the previous procedure "Using the menu" starting with step 2.

☑ During number and name entry a short press on Clear clears the last character. A long press clears the whole display.

A warning message appears when selecting the phone book when the SIM or phone memory is full.

Free space in the phone book

To see the remaining free space in the SIM or phone:

1. Press ▶. Select **Phone Book**.
2. Select **Remaining** and use ▲ or ▼ to display the remaining memory spaces in the phone or SIM.
3. Press and hold **Exit** or to return to the stand-by display.

☑ If available, the free memories in the FDN list also appears.

Viewing and calling numbers in the phone book

You can edit, delete, copy, move or access phone book entries stored in the phone or SIM. There are two ways to view and call numbers in the phone book:

• Directly from the stand-by display:

Press ◀ to display the phone book list.

• Using the menu:

1. Press ▶ and select **Phone Book**.
2. Select **Recall**.
3. Either press **OK** or enter up to the first 3 initials of the name required and then press **OK**.

Pressing ▲ or ▼ scrolls through the phone book. To go directly to another entry press the corresponding alphabet key. For example to go directly to entries starting with 'N' press 6 twice.

If you did not enter any initials, the phone book displays the first entry.

4. Press to dial the number. If there is a choice of numbers for the phone book entry, these appear. Select the one that corresponds and press .

Pressing **Options** displays the following menu choices:

Item	Function
Edit	Edits the name and number entry
Delete	Deletes the entry
Send SMS	Sends SMS message
Copy	Copies the entry to the SIM or the phone or vice versa. You can edit before copying
Move	Moves the entry to another position. You can edit before moving
Call	Calls the number displayed

5. Press and hold **Exit** or to return to the stand-by display.

Own number

You can store your main 'Line 1' voice mobile number, your voice mobile number for Line 2 (Alternate Line Service) and your data and fax numbers into the SIM card. You can enter them manually and name them (e.g: Line 1 'Office'.

To view, name and edit your own display number(s):

1. Press . Select **Phone Book**.
2. Select **Own numbers**. The mobile number for Line 1 appears.
3. Use ▲ or ▼ to view line 2, data and fax numbers.
4. To add or edit a name or number press **Edit**.
5. Press and hold **Exit** or to return to the stand-by display.

Fixed dialling numbers (FDN)

Fixed dialling only allows you to call a group of numbers. All other numbers are rejected. FDN also prevents call diverting and sending SMS messages to numbers not in the FDN list. You can use wildcards to define the groups. As this is a SIM dependent feature, some SIM cards might not support it. SIM capacity determines the maximum number of FDN numbers you can store. To activate/deactivate FDN you must have the PIN2 code.

To turn on or off FDN operation:

1. Press . Select **Phone Book**.
2. Select **Fixed Dialling**. Select **Status**.
3. Select **On** or **Off**. Enter the PIN2 number.
4. Press **OK** to confirm the setting.

To view the numbers in the list:

1. Press . Select **Phone Book**.
2. Select **Fixed Dialling**.
3. Select **View** and use ▲ or ▼ to scroll through the entries. Press **Options** to edit, delete and copy numbers to the phone or SIM.

To enter, edit or delete numbers in the FDN list:

1. Press . Select **Phone Book**.
2. Select **Fixed Dialling**.
3. Select **Add new**. Enter the PIN2 number if asked. Add, edit, delete or copy new numbers to the phone or SIM.

☑ You can use wild card spaces with numbers stored in the FDN list. For example the number +44 1707 278 ___ 9 allows you to call all numbers between 278009 to 278999.

Phone book tones

30 pre-set ring tones are available, 10 with polyphonic (tri-tones) and 20 with mono-tones. Storage of up to 40 ring tones is possible. That is, you can add one self-composed ring tone and 9 other ring tones you download in addition to the existing 30 ring tones. If you want, you can replace any of these ring tones except the Trium ring tone. To have different tones for incoming calls where the identities are known in the SIM or phone memory:

1. Press . Select **Phone Book**.
2. Select **Phone Book Tones**.
3. Select **Phone names** or **SIM names**. Press **Select**.
4. Select the tone you want and press **Select**. The phone stores your selection.

Messages (SMS)

You can exchange short text messages of up to 160 characters with other mobile phones with SMS. You can also store, edit and forward messages and save any of the numbers they contain.

Reading a received SMS message

When the phone receives an SMS message a new SMS alert tone sounds and ✉ appears. The SIM stores the message. If ✉ flashes there is no more space in the SIM to store new messages. Delete previous messages to make space for new ones.

Press **Read** ⌒ to read all received messages (Inbox).

Reading stored SMS messages

1. Press ▶. Select **Messages** (then **SMS** on Trium 110 m).
2. Select **Inbox** to display the first message header.
3. Use ▲ and ▼ to select the message.
4. Press ▶ or select **Options** ⌒/ **Read text** to read the message text.

You can now read all stored messages. For a given message, ✉ shows the message is new. 🖂 shows you have already read the message.

Managing received and stored SMS messages

After reading the SMS message press **Options** ⌒ for the following menu:

Item	Function
Read text	Displays the remainder of the text
Delete	Deletes the message
Reply	Replies to the sender of the message
Reply (+ text)	Replies to the sender of the message with the initial text
Forward	Forwards the message to another user
Forward to n	Forwards a set of several (5 maximum) messages to 5 different addressees
Numbers	Stores or calls the number(s) contained in the SMS header or text

☑ The items of this menu depend on the type of message received.

Turning on or off the message alert tone

Each time a message is received the SMS alert tone sounds. To turn on or off this tone:

1. Press ▶. Select **Messages**.
2. Select **Alert**. Select **On** or **Off**.
3. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Preparing the phone to send SMS messages

You can write and send text messages. To use SMS, check that the number for the message centre is configured:

1. Press ▶. Select **Messages**.
2. Select **Settings**.
3. Select **Message centre**.

If a number appears do nothing. If empty, enter the number manually (in international format) or from a stored memory. If you do

not have this number, ask your service provider for it.

4. Press and hold **Exit** or to return to the stand-by display.

If required you can also choose the validity period, format, paid reply request and request a delivery report. Default settings are assumed if not set.

Option	Description	Default
Validity Period	Time held at message centre. 12 hours, 1 day, 2 days or Maximum (defined by operator)	Maximum
Format	Selects format of message, text, voice, fax or pager	Text
Paid Reply to	Reply requested	Off
Status report to	Delivery report	Off

Creating a draft text

Parts of a message are often the same, such as the greeting or signature. To save time, you can create a draft text for these parts. Then when you want to write a message, you access the draft text and only write the specific part of the message. You can set up to 10 message drafts, which can hold up to 48 characters each. The mobile memory stores the drafts.

To create a draft text:

1. Press . Select **Messages**.
2. Select **Draft texts**.
3. Choose any blank template (**[...]**) and press **Edit**.
4. Enter the draft text and press **OK**.
5. Press and hold **Exit** or to return to the stand-by display.

Editing a draft text

1. Press . Select **Messages**.
2. Select **Draft texts**.
3. Select the draft text to modify and press **Edit**.
4. Edit the text and press **OK**.
5. Press and hold **Exit** or to return to the stand-by display.

Sending a new SMS message to one addressee

1. Press . Select **Messages**.
2. Select **Write new**.
3. You can either choose a draft text (if you set one up) or enter the message text and press **OK**.
4. Select **Send**.
5. Choose a message template (if you have stored 2 or more templates) and then enter the destination number or select **Names** to choose a number from a phone book entry. Press to validate your choice. Press **OK**. Sending and sent confirmation appears for each addressee.
6. Press and hold **Exit** or to return to the stand-by display.

Sending a new SMS message to many addressees

1. Press . Select **Messages**.
2. Select **Write new**.
3. You can either choose a draft text (if you set one up) or enter the message text and press **OK**.
4. Select **Multicast**.

5. Choose a message template (if you have stored 2 or more templates).
Enter up to 5 destination numbers or select **Names** to choose up to 5 numbers in the phone book.
Press ▶ to validate your choice. Press **OK**.
Sent confirmation appears.
6. Press and hold **Exit** or to return to the stand-by display.

Storing a new SMS message

1. Press ▶. Select **Messages**.
2. Select **Write new**.
3. You can either choose a draft text or enter the message text and press **OK**.
4. Select **Store**.
5. Press and hold **Exit** or to return to the stand-by display.

Modifying and re-sending messages in the outbox

The outbox contains unsent draft messages, stored sent messages and sent but undelivered messages. You can modify and re-send these as new messages.

To select an outbox message:

1. Press ▶. Select **Messages**.
2. Select **Outbox** and use ▲ or ▼ to scroll to the desired message. Messages are either "transmitted" ( ) or "to be sent" ( ).
3. Press **Options** to read, delete, request a status report, send (or re-send) to one addressee, edit a sent message and send (or re-send) to many addressees.
4. Follow the instructions displayed on the screen.

Status request on sent messages

If you request the status of a delivered message the delivery date and time appears. If you request the status of a sent message the network sends a status report (if this feature is supported). Press **OK** to acknowledge the report.

To act upon a received status report and its related message:

1. Press **Options**. The following menu appears:

Item	Action
Delete message	Deletes the corresponding sent SMS message and the status report
Clear	To acknowledge the status report and clear the display
Associated message	Displays the corresponding sent SMS message
Send again	Sends the same message again

2. Select the action required and press **OK**.

Re-usable message templates

The **Msg templates** menu option appears in the **Messages** - **Settings** menu if your SIM supports this feature. Message templates are sets of message parameters and are stored in SIM memory. You can name and select the templates when needed.

To create a message template:

1. Press ▶. Select **Messages**. Select **Settings**.
2. Select **Msg templates**. Choose any blank template (**[...]**).
3. Enter the template **Name**, **Message centre** number, **Validity period** and **Format**.

Default settings for pay reply and status are assumed 'off' unless set and are common to all templates. If you set one template only the

phone uses it by default. Otherwise select the template you want when sending a message.

Storage consumption

To consult the memory used by SMS:

1. Press ▸. Select **Messages**.
2. Select **Storage**.
3. Use ▲ or ▼ to view all the SMS storage information (**SMS storage**, **SMS outbox** and **SMS inbox**).
4. Press and hold **Exit** ⌒ or ☎ to return to the stand-by display.

EMS [1]

EMS stands for Enhanced Message Sevice. This feature allows to receive messages with text, melodies, images and animated icons. These messages are sent via the Internet; they may bear promotional information or commercial offers.

The use of this feature is registration dependent and may not be available in all areas.

EMS Menu

1. Press ▸. Select **Messages**
2. Select **EMS**.
3. Select the menu item you want to access.
4. Press **Cancel** ⌒ or ☎ to return to the stand-by display.

Inbox
To read or delete stored messages
My services
To reach the list of registered services
Settings
To reset or delete the EMS contents
Service Registration
To enter the address of the service sites.

1. Available on Trium 110 m only

Reading a received EMS message

When the phone receives an EMS message a new alert tone sounds and ✉ appears. The phone stores the message. If ✉ flashes there is no more space in the phone to store new messages. Delete previous messages to make space for new ones.

Press **Read** ⌒ to read all received messages (Inbox).

Reading stored EMS messages

1. Press ▸. Select **Messages**.
2. Select **EMS**.
3. Select **Inbox.**
4. Use ▲ and ▼ to select the message.
5. Press ▸ or select **OK** to read the message text or delete the message.

You can now read all stored messages. For a given message, ✉ shows the message is new. 🖂 shows you have already read the message.

Calls & Times

Access the **Calls & Times** menu to check the details of individual incoming and outgoing calls, the duration of the last call or the total time for all previous calls.

Calls log

Calls log stores the identity, time, date and call duration of the last 10 numbers dialled, the last 10 received unanswered calls and the last 10 received calls. The call logs are common for both Line 1 and Line 2.

1. Press ▸. Select **Calls & Times**.
2. Select **Calls Log**.
3. Select **Last dial**, **Unanswered** or **Received.**

❹ Use ▲ or ▼ to scroll through the list.

If the caller's number is not available, **Unknown number** appears (unanswered and received lists).

Pressing ✆ while on a displayed number calls that number.

Pressing **Options** ⌒ accesses the following menu:

Item	Action
Store	Stores the number in the phone book
Delete	Deletes the entry
Delete all	Deletes all the entries
Edit	Edits the displayed number
Details	Views the details - name, number, time and date and call duration of the highlighted number
Call	Makes a call to the number
Send SMS	Sends SMS message

Use ▲ or ▼ to select the required option and follow the display prompts.

Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

☑ Press ✆ when in stand-by display to access the last 10 dialled calls.

Call times

Call times stores the duration of the last call, total accumulated time of all calls and total time for Line 1 and Line 2. The **Details** ⌒ sub-menu stores times for calls made and received through the subscription network and through other (national and international) networks.

❶ Press ▶. Select **Calls & Times**.
❷ Select **Call timers**.
❸ Select **Show**.
❹ Use ▲ or ▼ to view all the timer information.

The call type and the accumulated times of outgoing and incoming calls appears.

❺ Press **Details** ⌒ to display details on **My network**, **National roaming** and **Int'nal roaming** calls.
❻ Press ◀ or **Exit** ⌒ to return to the previous display.
Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

☑ If Line 2 is subscribed to 'All Calls' for Line 1 and Line 2 appear separately.

Balance information (subscription service only)

Some networks provide your call time balance. You have to call a specific number (given by your network operator) in order to get this information.

Contact your service provider for availability and details.

❶ Press ▶. Select **Calls & Times**.
❷ Select **Call timers**.
❸ Select **Balance information**.
❹ Select **Set number** (only necessary the first time you use this service) to check that the balance information centre number is set. If not, enter the number provided by your service provider and press **OK** ⌒.
❺ Select **Call**. The phone calls the centre. Press ⏻ when you want to end the call.

6. Press and hold **Exit** or to return to the stand-by display.

Reminder - Call duration

You can set a call duration reminder in multiples of 1 minute (1 - 59 min.) intervals. It beeps at the set intervals.

1. Press . Select **Calls & Times**.
2. Select **Call timers**.
3. Select **Reminder**.
4. Select **On** (or **Off**).
5. Select the period (between 1 and 59 mins).
6. Press **OK**.
7. Press and hold **Exit** or to return to the stand-by display.

Call timer - reset

To reset all the call timers, you need the 4 digit phone lock code.

1. Press . Select **Calls & Times**.
2. Select **Call timers**.
3. Select **Reset**.
4. Select **Yes** or **No**.
5. Enter the phone lock code and press **OK**.
6. Press and hold **Exit** or to return to the stand-by display.

Call costs management (subscription service only)

An Advice of Charge (AoC) subscription service shows the cost of the last call made, the accumulated total cost of all calls and the remaining balance in units or currency of any 'cost limit' you set. Check with your service provider to see if they offer this feature.Select the currency and cost per unit; otherwise call costs display in generic units.

To set currency and cost per unit:

1. Press . Select **Calls & Times**.
2. Select **Call costs**.
3. Select **Display cost type**.
4. Select **Currency**. The present currency settings appears.
5. Press **Edit**. Enter the PIN 2 code and press **OK**.
6. Enter the abbreviated letters of the currency. Press **OK**.
7. Enter the cost per unit in the selected currency. Press **OK**.
8. Press and hold **Exit** or to return to the stand-by display.

To set call cost type to units:

1. Press . Select **Calls & Times**.
2. Select **Call costs**.
3. Select **Display cost type**.
4. Select **Units**.
5. Press and hold **Exit** or to return to the stand-by display.

☑ When you set the cost type to units the credit limit and the remaining credit appear in units.

Setting the credit limit - in units or currency

You can set a credit limit in units or currency. The phone prevents making and receiving all chargeable calls when the phones reaches the credit limit. You can still make emergency calls.

1. Press . Select **Calls & Times**.
2. Select **Call costs**.
3. Select **Credit Limit**. The present credit limit setting appears.
4. Press **Edit**. Enter the PIN 2 code and press **OK**.
5. Enter the credit limit (use # to enter a decimal point). Press **OK** to validate.
6. Press and hold **Exit** or to return to the stand-by display.

☑ When you enter a credit limit the selection from the 'Credit Limit' displays Edit or Set No Limit.

Show costs

1. Press ▶. Select **Calls & Times**.
2. Select **Call costs**.
3. Select **Show**.
4. Use ▲ or ▼ to display the cost of the **Last Call**, **All Calls** and the **Remaining credits**.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

☑ The Cost Type menu units or currency setting determines whether the remaining credit displays units or currency.

Call costs - resetting all costs to zero

To reset all the call costs to zero you need the PIN 2 code.

1. Press ▶. Select **Calls & Times**.
2. Select **Call costs**.
3. Select **Reset**.
4. Select **Yes** to reset the costs or **No** to exit.
   If you select **Yes**, enter the PIN 2 number and press **OK** ⌒. **All Costs Reset** appears briefly.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Alternate line service - selecting Line 2 (subscription service)

Some GSM 1800 operators support the use of a second line for users. You can have two mobile phone numbers, e.g. a business and personal line. To select the line for outgoing calls:

1. Press ▶. Select **Calls & Times**.
2. Select **Line selection**.
   The current line selection appears.
3. Use ▲ or ▼ to scroll to the line required and press **Select** ⌒ or ▶ to validate your choice.
4. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

☑ You can assign names to Line 1 and Line 2, e.g. Office and Home. See page 25 for details. You must select the line to make outgoing calls. You can receive calls from either line.

Settings - customising your phone

Phone settings

Keypad lock

See page 15 for more information.

Language selection

To select the language of your choice:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Language**.
3. Use ▲ or ▼ to select a language from the displayed list. Press **Select** to validate.
4. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

☑ To reset the phone to the language of the SIM enter *#0000#.
To reset the phone language to English enter *#0044#.

Tones - Alert mode

To turn on or off the audible incoming ring tone, alert and alarm tones:

- Using the menu:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Tones**.
3. Select **Alert tones**.
4. Select **Ring**, **Vibrate**, **Vibrate & ring** or **Vibrate then ring**.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

- Directly from the stand-by display:

1. Press ▼ displays **Ring**, **Silent**, **Vibrate**, **Vibrate & ring** or **Vibrate then ring**. Scroll to the desired setting.
2. Press **Select** to validate your choice. (If any of the vibrate options are selected the phone briefly vibrates). appears.

1. If you select Ring but the ring tone volume is off the icon appears.
2. appears if you select Vibrate, Vibrate & ring or Vibrate then ring. It takes precedence over .
3. When the phone is connected to either the Desk Top Charger, HF kit, CLA or AC adaptor the phone rings instead of vibrates.
4. If you choose the 'Vibrate' or 'Vibrate then ring' option, the vibrating action replaces all the alert and alarm tones.

Ring tone selection

To choose an incoming ring tone:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Tones**.
3. Select **Melodies**.
4. To help you identify incoming calls you can give the **Standard/Line 1**, **Phone names**, **SIM names** and **Line 2** calls and **Alarm** different ring tones. Use ▲ or ▼ to highlight the required call type and press ▶ to select it.
5. Use ▲ or ▼ to listen to the different ring tones. Press ▶ to select the current tone.
6. Press and hold **Exit** or to return to the stand-by display.

Volume adjustments

To individually adjust the volume level of the ring tone, key tones, alarm tones and incoming audio from the stand-by display, press ▲. Alternatively, access Volume control from the **Settings** menu:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Tones**.
3. Select **Volume**.
4. Select **Ring**, **Keys**, **Conversation** or **Alarm**.

The display confirms the selection, naming the volume to be adjusted.

5. Use ▲ or ▼ to adjust the setting.
6. Press **OK** to validate the setting.
7. Press and hold **Exit** or to return to the stand-by display.

During a call, you can adjust the conversation volume by using ▲ or ▼.

If the ring tone volume level is set to 0 displays.

Automatic ramping

Your phone was designed with an automatic ramping feature. When your phone rings, the volume level is lower than the volume level you have set. Adjustment is made from low or medium volume level to the volume level you have set (see "Volume adjustments", page 33).

This feature is a default setting and cannot be deactivated. Ramping and Automatic Ramping are compatible; both will work if Ramping is activated.

Ramping

Ramping causes the incoming ring tone to increase step by step to the maximum volume level.

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Tones**.
3. Select **Volume**.
4. Select **Ramping**.
5. Select **On** or **Off**.
6. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

☑ When turned on the volume of the incoming ring tone starts from the selected ringer volume (just after the automatic ramping) and rises to the maximum volume.

Backlight - setting

To set the backlight during key entry or incoming ring tone, you have two options:

- **On for 10 sec.**: the display and key backlight stays on for 10 seconds after the last key press or incoming call.
- **Off**: the backlight stays off except on incoming call.

1. Press **Select**. Select **Settings**.
2. Select **Phone settings**. Select **Display**.
3. Select **Backlight**.
4. Select one of the two settings. Press ▶ to validate.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Display contrast

To modify the display contrast because of bad light conditions:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Display**.
3. Select **Contrast**.
4. Adjust the contrast using ▲ or ▼.
5. Press **OK** ⌒ to validate the setting.
6. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Menu graphics

Choose from a set of graphics to personalise your main menu images and icons. There are 3 menu themes.

To change the menu graphics:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Menu graphics**.
3. Use ▲ or ▼ to scroll the sets of menu graphics and press **Select** ⌒ to validate your choice.
4. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Any key answer

To enable any key (except ⏻ and **No ring** ⌒) to be pressed to answer an incoming call:

1. Press ▶. Select **Settings**.
2. Select **Phone settings**. Select **Keys**.
3. Select **Any key answer**.
4. Select **On** or **Off**.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Softkeys - programming the softkeys

You can change the function of the softkeys. There are two ways:

- Directly from the stand-by display:

1. Press and hold down the left ⌒ or right ⌒.
2. Use ▲ or ▼ to scroll through the choice of softkey options.
3. Press **Select** ⌒ to validate your choice.
4. The screen confirms your selection and returns to the stand-by display showing your new softkey function.

- Using the menu:

1. Press ▶. Select **Settings**.

2. Select **Phone settings**. Select **Keys**.
3. Select **Softkeys functions**.
4. Select **Left softkey** or **Right softkey**.
5. Press **Select** on the softkey option of your choice.
6. Press and hold **Exit** or to return to the stand-by display.

(.....) in the display means that a previously SIM dependent or subscription service assigned to that softkey is no longer available. For example Line 2 selection.

Speed dialling

You can assign phone book numbers to keys ② - ⑨. Hold down the key to dial the number. The phone reserves ① exclusively for the voice mail number. The phone automatically assigns this key to the voice mail number if stored (see "Voice mail", page 38).

You can select any stored number.

To assign phone book numbers to the speed dialling keys:

1. Press . Select **Settings**.
2. Select **Phone settings**. Select **Keys**.
3. Select **Speed Dial**.
4. Use ▲ or ▼ to scroll to the next key.
5. Select **Names** to choose the phone book entry and press **Select** to validate your choice.
6. Press and hold **Exit** or to return to the stand-by display.

If you delete the number from the phone book this also deletes it from the associated key.

Auto answer

This feature only works when you connect the phone to a hands free car kit or headset. The phone automatically answers an incoming call after approximately 5 seconds.

1. Press . Select **Settings**.
2. Select **Phone settings**. Select **Auto features**.
3. Select **Auto-answer**.
4. Select **On** or **Off**.
5. Press and hold **Exit** or to return to the stand-by display.

Auto-retry

To automatically retry the number of a failed call (up to 10 times):

1. Press . Select **Settings**.
2. Select **Phone settings**. Select **Auto features**.
3. Select **Auto-retry**.
4. Select **On** or **Off**.
5. Press and hold **Exit** or to return to the stand-by display.

When activated, **Auto-retry** and a countdown timer to the next call attempt appears. An auto-retry warning tone sounds each time the phone attempts a new retry. If successful, proceed with the call as normal. Press **Exit** or any key during the retrying process to cancel auto-retry and end the dialling process for that call.

Security features

The security features described in this section protects your phone from unauthorised use.

For all codes

When requested, enter the code, which appears as asterisks (*) and press **OK**.

If you make a mistake press **Clear** and enter the correct digit(s) before pressing **OK**.

☑ Avoid using codes similar to emergency numbers such as 999 or 112 to prevent accidental dialling of these numbers.

KEEP A RECORD OF YOUR CODES AND KEEP THEM IN A SAFE PLACE. FAILURE TO DO SO CAN CAUSE YOU CONSIDERABLE INCONVENIENCE.

Phone lock code

A phone lock code prevents unauthorised access to the phone and WAP™ settings. You also need it to reset the call timers. The factory setting is **0000**. Reset this code and keep it in a safe place, separate from the phone. When enabled the phone asks for the code each time the phone is turned on.

To change the phone lock code:

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Security**.
3. Select **Phone lock**.
4. Select **Change code** and follow the display prompts.
5. Press **OK** to validate the new code.
6. Press and hold **Exit** or to return to the stand-by display.

To turn on or off the phone lock code:

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Security**.
3. Select **Phone lock**.
4. Select **On** or **Off**.
5. The phone requests the phone lock code to authorise your selection.
6. Press and hold **Exit** or to return to the stand-by display.

☑ Phone lock still enables you to make emergency calls.

PIN code

The 4-8 digit PIN code for the SIM protects it from unauthorised use. When enabled the phone requests the PIN code each time the phone is turned on. If you enter the wrong PIN code three times in succession your SIM card is blocked and you need the 8 digit PUK code from your service provider (see page 37). To turn on and off the PIN:

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Security**.
   If already off, **PIN enable** appears.
   If already on, **PIN disable** and **PIN change** appear.
3. Press **Select** and follow the displayed prompts.
4. Press **OK** to validate your entry. **PIN enabled** or **PIN disabled** appear briefly to confirm your action.
5. Press and hold **Exit** or to return to the stand-by display.

To change the PIN code (PIN must first be enabled):

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Security**.
3. Select **PIN change** and follow the displayed prompts.
4. Press **OK** to validate your new PIN.
5. Press and hold **Exit** or to return to the stand-by display.

PIN2 code

The PIN2 code prevents unauthorised access to FDN operations, modifying the FDN phone book, setting calls costs to zero, modifying the costs display features. You can change it but you

can not turn it on or off.

To change the PIN2 code:

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Security**.
3. Select **PIN2 change** and follow the display prompts.
4. Press **OK** ⌒ to validate your new PIN2 code.
5. Press and hold **Exit** ⌒ or ☎ to return to the stand-by display.

PUK code

Only your service provider can give you the 8 digit PUK (PIN unblock key). Use it to 'unblock' a PIN whose code has been entered incorrectly three times. A PUK code cannot be changed.

Enter the PUK code and press **OK** ⌒. Enter a new PIN code by following the displayed prompts.

☑ If you enter the wrong PUK code 10 times in succession your SIM card cannot be used again. Contact your service provider for a new card.

PUK2 code

Only your service provider can give you the 8 digit PUK2. Use it to unblock a PIN2 whose code has been entered incorrectly three times. You cannot change the PUK2 code.

Enter the PUK2 code. Enter a new PIN2 code by following the displayed prompts.

☑ If you enter the wrong PUK2 code 10 times in succession you are unable to use the features requiring the PIN2 code. Contact your service provider for a new card.

Time & date setting

To set the current time and/or date:

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Time & date**.
3. Select **Set time** or **Set date**.
4. Enter the time (in 24 hour format) or date in the format shown. (If required use ◂ and ▸)
5. Press **OK** ⌒ to validate your entry.
6. Press and hold **Exit** ⌒ or ☎ to return to the stand-by display.

☑ 1. An error message appears if you make a wrong entry.
2. The time/date are displayed when the phone is on. It does not show the year.
3. You may have to re-enter the time and date if the battery was taken out.

Default (factory) settings

Use the **Settings** menu to return to the factory settings. This does not affect the phone book entries, phone lock code or SIM.

1. Press ▸. Select **Settings**.
2. Select **Phone settings**. Select **Default settings**.
3. Select **Yes** or **No**.
4. Press and hold **Exit** ⌒ or ☎ to return to the stand-by display.

The following are the factory default settings:

Feature	Factory setting
Alert Tones	Ring
Ring Tones	Trium
Volumes, **Ring**, **Key**, **Speech** and **Alarm**.	Mid values
Backlight and **Contrast**	On for 10 sec. and mid value
Any Key, **Auto-Retry** and **Auto Answer** features.	Off
Ramping	Off
Menu graphics	Trium

Melody download

You can also download melodies from the Trium web site (www.mitsubishi-telecom.com). This site downloads the melodies to your phone using SMS. When the download completes,

Press **Options** and then select **Play** to play the melody.
Press **Options** and then select **Install** to store the melody.

Voice mail

Voice mail operates like an answering machine. Contact your service provider for details.

Storing a voice mail centre number

If your SIM does not automatically include the voice mail centre number, you must manually set it:

1. Press ▸. Select **Settings**.
2. Select **Voice Mail**.
3. Select **Number**. When prompted enter the number manually or from a stored memory.
4. Press **OK** to validate your entry.
5. Press and hold **Exit** or to return to the stand-by display.

☑ If you subscribe to the 'Line 2' service, store the voice mail centre number separately for that line. The phone automatically assigns the voice mail number to speed dial location number 1 (see Speed dialling on page 35).

Turning on/off the voice mail alert tone

To turn on/off the voice mail alert tone:

1. Press ▸. Select **Settings**.
2. Select **Voice Mail**.
3. Select **Alert**. Select **On** or **Off**.
4. Press and hold **Exit** or to return to the stand-by display.

Calling the voice mail centre to check for messages

There are two ways:

- To dial the voice mail centre directly after the receipt of a message:

Press and hold down ①.

- Or from the menu:

1. Press ▸. Select **Settings**.
2. Select **Voice Mail**.
3. Select **Call**.

Dialling proceeds as for a normal call.

☑ If a voice mail number is not stored when you select Call, the phone asks you to enter the voice mail number. Proceed as described in Storing a voice mail centre number, page 38.

GSM services

The services described hereafter are a non-exhaustive list of GSM services. Please contact your operator/service provider for more information.

Diverting incoming calls (network service)

Call diverting diverts incoming calls, whether voice, fax or data, to another number.

To turn on call divert:

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Call diverting** to access the following menu:

Divert options	Action
Always	Diverts all incoming voice calls unconditionally
When not reachable	Diverts all voice calls when the phone cannot be reached, i.e. out of service
On no reply	Diverts all voice calls when the phone does not answer
When busy	Diverts all voice calls when the phone is busy
All conditions	Diverts all voice calls when Not Reachable, No Reply and When Busy
Cancel all	Cancels all diverts
All FAX calls	Diverts unconditionally all incoming fax calls
All DATA calls	Diverts unconditionally all incoming data calls

3. Use ▲ or ▼ to select the divert condition and validate by pressing **Select** or ▸.
4. Select **Activate**.
5. Use ▲ or ▼ to choose between **Voice Mail**, **Names** or **Number**.
6. Press **Select** or ▸ to validate your selection. The display confirms your request.
7. Press and hold **Exit** or to return to the stand-by display.

☑ 1. If you select 'On no reply' option you must also enter a delay period of 5, 15 or 30 seconds.
2. Call diverts for both Line 1 and Line 2 must be set individually. Select the out-going line before following the above procedure. To carry out a call divert on the other line you must select this other line first (menu Calls & Times - Line selection).

To turn off or check the status of call divert:

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Call diverting**.
3. Select from the divert options and press ▸.
4. Select **Cancel** or **Status**. The phone confirms your selection.
5. Press and hold **Exit** or to return to the stand-by display.

To cancel all (multiple) diverts:

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Call diverting**.
3. Select **Cancel all**. The phone confirms your selection.
4. Press and hold **Exit** or to return to the stand-by display.

☑ This action cancels all voice diverts (for voice, faxes and data calls) for the line currently in use. To cancel call diverts for the other line you must select this other line first (menu Calls & Times - Line selection).

Caller Line Identity - showing/hiding your mobile number

Most networks allow the Caller Line Identity feature (CLI) i.e. showing the incoming number (ID) while receiving a call. Select-

ing **Receiving caller ID** allows you to check its availability from the network.

Receiving caller ID

To find out whether a network presents the ID of incoming calls:

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Receiving caller ID**.
   The network returns either **Presentation available** or **Presentation unavailable**.
3. Press and hold **Exit** or to return to the stand-by display.

To hide your number, on a call by call basis, add #31# before the number you are calling. Alternatively you can ask your service operator to always disable the sending of your mobile number. In this case to reveal your number, on a call by call basis, add *31# before the number you wish to call.

Standard network setting

To reset the standard network setting for sending your mobile ID:

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Sending my ID**.
3. Select **My settings**.
4. Select **Preset**. The phone resets to the network setting agreed with your service provider.
5. Press and hold **Exit** or to return to the stand-by display.

Hiding or showing your number

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Sending my ID**.
3. Select **My settings**.
4. Select **Hide my ID** or **Show my ID**.
5. Press and hold **Exit** or to return to the stand-by display.

Finding out your current ID setting

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Sending my ID**.
3. Select **Status**.
   The phone displays your current setting, taking into account both network and phone settings.
4. Press and hold **Exit** or to return to the stand-by display.

Network

When turned on, the phone automatically searches for the last network it was registered on. If this is not available, the phone automatically searches and, if able and allowed, selects a network.

Editing the preferred list

You can change the order and names in the preferred networks list stored in your SIM by choosing from the list in your phone. This is useful while roaming if you know a network provider that is more economical than another.

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Network**.
3. Select **Preferred list**. A list of networks appears.
4. Use ▲ or ▼ to view the list.
5. Press **Options** to change it. The following items appear:

Option	Description
Modify by list	Displays the general list of all known networks contained in the phone in alphabetical order
Modify by code	Edits or enters a network number (MCC MNC) if you know this information.
Delete	Deletes an entry

6. Press **Select** to confirm the selection.
7. Press and hold **Exit** or to return to the stand-by display.

Your SIM may contain a forbidden list of networks which cannot be used. To view the forbidden list or show the home network:

1. Press . Select **Settings**.
2. Select **GSM Services**. Select **Network**.
3. Select either **Forbidden** or **Home network**.
   A list of the forbidden networks or the home network appears.
4. Press to return to the stand-by display.

Selecting manual search

To select a specific network, e.g. one which provides better coverage in your current location:

1. Press . Select **Settings**.
2. Select **GSM Services**. Select **Network**.
3. Select **Search**.
4. Select **Manual**. A confirmation screen and **Scanning for networks...** appears.
5. Use ▲ or ▼ to select a network from the list shown.
6. Press **Select** to confirm the selection.
   Requesting... followed by the name of the network appears. The phone then returns to the stand-by display.

☑ You cannot delete a network from the forbidden list. This list is automatically updated when you perform the manual network selection.

Selecting automatic search (normal default setting)

To perform an automatic search from the preferred list:

1. Press . Select **Settings**.
2. Select **GSM Services**. Select **Network**.
3. Select **Search**.
4. Select **Automatic**.
5. Press and hold **Exit** or to return to the stand-by display.

Call barring (network service)

To stop different types of calls being made and received on the phone, you need a call barring password available only from your service provider.

1. Press ▶. Select **Settings**.
2. Select **GSM Services**. Select **Call barring**.
3. Select **Outgoing calls** or **Incoming calls**. Choose:

Select	Meaning
Outgoing - All outgoing	Bars all outgoing calls
Outgoing - Int'nal calls	Bars only all outgoing international calls
Outgoing - Int'nal excl. home	Bars all outgoing international calls except for other subscribers within the users home network
Incoming - All incoming	Bars all incoming calls
Incoming - Roaming only	Bars all incoming calls when not on the home network

4. Select the option using ▲ or ▼. Press **Select**.
5. Select **Activate**. Enter the password and press **OK**. The network confirms the selection.
6. Press and hold **Exit** or to return to the stand-by display.

Call barring password

Use the call barring password to select the call barring levels outlined in the **GSM Services** - **Call barring** menu (see page 42). Your service provider gives you the initial password. To change the password:

1. Press ▶. Select **Settings**.
2. Select **GSM Services**. Select **Call barring**.
3. Select **Change password** and follow the displayed prompts.
4. Press **OK** to validate.
5. Press and hold **Exit** or to return to the stand-by display.

Summary of code/password entry chart

Password	Length	Number of trials allowed	If blocked or forgotten
Phone unlock code	4 digits	Unlimited	Return phone to manufacturer
PIN	4-8 digits	3 tries	Unblocked by use of PUK code
PIN2	4-8 digits	3 tries	Unblocked by use of PUK2 code
PUK	8 digits	10 tries	Contact your service provider
PUK2	8 digits	10 tries	Contact your service provider
Call barring password	4 digits	Network determined	Contact your service provider

To cancel or check the status of a call bar:

1. Press ▶. Select **Settings**.
2. Select **GSM Services**. Select **Call barring**.
3. Use ▲ or ▼ to select the bar

to cancel or check the status and press ▸.
You must have the password to cancel a call bar.

4. Press and hold **Exit** or to return to the stand-by display.

To change the password:

1. Press ▸. Select **Settings**.
2. Select **GSM Services**. Select **Call barring**.
3. Select **Change password**. Enter the old password once and the new password twice when prompted. The phone confirms the change.
4. Press and hold **Exit** or to return to the stand-by display.

Broadcast - cell broadcast messages (Network Service)

Networks can broadcast messages to all GSM users that can give information about local area dialling codes, weather reports, traffic news etc. You can decide what type of information to receive by choosing the corresponding number. You can program to receive up to 5 different types of messages.

You can select from a list of 16 standard message types. New message types can be programmed into the selection list using the 3 digit cell broadcast type number. Contact your service provider for more details.

Enter at least one message type into the selection list or you cannot activate the service.

To enter a message type in the selection list

You can enter up to 5 different message types.

1. Press ▸. Select **Settings**.
2. Select **Broadcast**.
3. Select **Message types**. Press **Options**.
4. Select **Modify by list** (or **Modify by code** if type number is known).
5. Scroll to the message type required. Press **Select** to validate your selection. The display confirms your choice.
6. Press **Options** again to select more message types from the list, enter a message type number if known, or delete a message type.
7. Press and hold **Exit** or to return to the stand-by display.

To turn on or off the broadcast service

1. Press ▸. Select **Settings**.
2. Select **Broadcast**.
3. Select **On/Off**.
4. Select **On** or **Off**.
5. Press and hold **Exit** or to return to the stand-by display.

Reading broadcast messages

Broadcast messages appear in the stand-by display only. The phone suppresses them during conversation or menu operation. A message can be up to 93 characters in length and cover several pages. Pages scroll automatically about every five seconds. To scroll down, press ▾.

Options during message display

Press on **Exit** to clear the message currently displayed. Press to dial the number displayed in the message.

Pressing **Options** displays the following menu:

Option	Action
Delete	To delete the current message
Delete All	To delete all messages stored in the queue
Numbers	To display all phone numbers found in the message text. This allows dialling or storing them in the scratchpad if required
Broadcast Off	To turns off cell broadcast

Turning the broadcast alert tone on or off

To turn on or off the alert tone the phone gives when a broadcast message arrives:

1. Press ▶. Select **Settings**.
2. Select **Broadcast**.
3. Select **Alert**.
4. Select **On** or **Off**.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Deleting or editing a message type from the list

To delete or edit a message type:

1. Press ▶. Select **Settings**.
2. Select **Broadcast**.
3. Select **Message types**. Press **Options** ⌒.
4. Select **Modify by list** or **Modify by code**.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Broadcast language

To select the broadcast language:

1. Press ▶. Select **Settings**.
2. Select **Broadcast**.
3. Select **Language**.
4. Use ▲ or ▼ to select a language from the displayed list. Press ▶ to validate.
5. Press and hold **Exit** ⌒ or ⏻ to return to the stand-by display.

Using the office tools

The **Office Tools** menu contains a scratchpad, an alarm clock, an auto-switch feature and a calculator.

Scratchpad

You can store up to 5 separate entries of 36 characters in the scratchpad.

1. Press ▶. Select **Office Tools**.
2. Select **Scratchpad**.
3. Select **Read Notes**. Use ▲ or ▼ to scroll through the entries.
   Select **Write Notes** to make a new scratchpad entry.

Press **Options** ⌒ when reading entries to access the following menu:

Item	Action
Store	Save a number to the phone book
Edit	Modify an entry
Delete	Delete an entry
Delete all	Delete all entries
Call	Call the number displayed in the entry

Alarm clock

To set a daily 'Reminder Alarm':

☑ When 'on' the alarm activates at the same time every day until turned off.

1. Press ▶. Select **Office Tools**.
2. Select **Alarm clock**.
3. Select **On** and enter the alarm time (in 24 hour format) or press **OK** ⌒ to accept the displayed time.
   Confirmation appears.

❹ Press **Select** or to return to the stand-by display. appears.

The alarm sounds for up to 1 minute. **Alarm clock** and a vibrating bell symbol appear with the current time and the softkeys, **Valid.** and **No ring**. During a call, the alarm also sounds.

To stop the alarm:

Press **Valid.**.

To use as a Reminder or Snooze Alarm:

Press **No ring**, or any other key (except **Valid.**) to stop the alarm. The alarm icon remain on the display and the alarm rings again 3 minutes later.

You can repeat the snooze for up to 15 minutes, after which the phone returns to its previous state, either off or on stand-by.

To turn off the alarm:

❶ Press . Select **Office Tools**.
❷ Select **Alarm clock**.
❸ Select **Off**. Confirmation appears.
❹ Press and hold **Exit** or to return to the stand-by display.

Caution - Please remember to turn off the alarm feature when boarding an aircraft where the use of a mobile phone is not permitted and is illegal. Alternatively, you can remove the battery after turning off the phone. See the General safety warnings on page 4.

Auto-switch

You can set your phone to switch on and off automatically. Turning it off helps to conserve battery life. Please note that during auto-switch on, you must re-enter your PIN code. The phone does not go into power saving mode until you enter your code. To activate the auto-switch:

❶ Press . Select **Office Tools**.
❷ Select **Auto-switch**.
❸ Select **Auto-switch-on**.
❹ Select **On**.
❺ Enter the time you want the phone to turn on and press **OK**. Confirmation appears.
❻ Select **Auto-switch-off**.
❼ Select **On**.
❽ Enter the time you want the phone to turn off and press **OK**.
❾ Press and hold **Exit** or to return to the stand-by display. The icon appears in the stand-by display.

To turn off the auto-switch:

❶ Press . Select **Office Tools**.
❷ Select **Auto-switch**.
❸ Select **Auto-switch-on**.
❹ Select **Off**. **Stored** appears.
❺ Select **Auto-switch-off**.
❻ Select **Off**. **Stored** appears.
❼ Press and hold **Exit** or to return to the stand-by display.

Calculator

To access and use the calculator:

❶ Press . Select **Office Tools**.
❷ Select **Calculator**.
❸ Enter a number and press several times to choose **+**, **-**, * or / or to enter a ,.
❹ Enter the second number and either repeat step ❸ or select **=** to compute. Select **Clear** to correct any mistakes or clear the display.
❺ Press to return to the stand-by display.

Games

The availability and appearance of the games depend on your network operator and on your mobile phone version (**Reshape** and **Push** games are available on Trium 110 and Trium 110 m only).

Reshape and Push:

Game instructions appear when you select the game.

Select sound effects from the menu item **Options**.

To select a game:

1. Press ▶. Select **Games**.
2. Choose the game (Push or Reshape) and press **Select** or ▶.

When in the game,

Item	Action
Play	Select **Play** to start the game (from the lowest level).
Help	Select **Help** for instructions and controls.
Code	If you have already played the game and reached a certain skill level, select **Code** to enter the level code and play the game from that level.

Reshape and **Push** have skill levels. When you win a level, you go to the next level. After successfully playing 'X' number of levels the game gives you a code to enable you to re-enter the game from your previously attained skill level. The game can record player names and scores. If you receive a call while playing, answer in the normal way. To exit from the games menu press **Exit** or press ⏻ to return to the stand-by display.

☑ Receiving an incoming call while playing may not allow you to resume the current game.

Trium 110 p games

The Trium 110 p Games menu allows the downloading of new games onto your mobile. Up to 2 games can be stored in the phone. One is a default one. You cannot delete or replace this game.

The second game may not have been downloaded in your phone; if not, you can download it by choosing it from the Catalogue menu. You can replace the second game by another one from the catalogue as many times as you want. The Catalogue allows you to get the list and description of the games you can download. If the contents of the catalogue is not available on the phone it can also be downloaded. All information related to games downloading is available in the Instructions menu.

The Trium 110 p games menu is made of the following sub-menus: **Catalogue, News, Settings** and **Instructions** in addition to the available game(s) name(s).

☑ This phone version does not bear the Reshape and Push games.

Item	Action
Catalogue	Select **Catalogue** to see and/or download games available on the network.
News	Select **News** to get information on new games availability.
Settings	Select **Settings** to access the sound, backlight... settings common to all games.
Instructions	Select **Instructions** for all information related to games downloading.

☑ Receiving an incoming call while playing may not allow you to resume the current game.

Currency-converter

To use the converter, set the currencies and the exchange rate:

1. Press ▸. Select **Currency**.
2. Select **Settings**.
3. Enter the first currency name (e.g. Dollar). Press **OK**. Enter the second currency name (e.g. Yen). Press **OK**.
4. Enter the exchange rate using # to enter a comma. Press **OK** to validate the entry.
5. Press and hold **Exit** or to return to the stand-by display.

☑ To use your Currency-converter as a Euro converter for participating currencies in the European Monetary Union ("Euroland currencies"), please enter the complete Euro exchange rate with six significant figures. For example: 1 Euro = £ 0.61871.

To calculate the conversion between the chosen currencies:

1. Press ▸. Select **Currency**.
2. Select one of the two first options. In our example: either **Dollar->Yen** or **Yen->Dollar**.
3. Enter the amount to be converted. Press # to insert a comma, if needed. Press **OK**. The converted amount appears.
4. Press and hold **Exit** or to return to the stand-by display.

☑ Conversion from one Euroland currency to another, or to non-Euroland currencies, normally follows "triangulation" rules (i.e. conversion of local currency to Euro and then Euro to other local currency). Your Currency-converter does not provide this possibility. Accordingly, your result is only a close approximation.

Internet/Wireless Application Protocol (WAP™)

Your phone has a WAP™ internet browser to access services, such as stock buying, news, sports, weather, TV listings etc., supplied by your operator and/or your internet provider. **The types of services offered depend on the internet provider and network operator.**

You must have a DATA subscription to access these services.

Either your phone is pre-programmed with the settings or you must enter them.

See below to enter the settings. If you cannot access the settings, they are pre-programmed.

☑ Access to the connection settings depend upon whether the settings have been pre-programmed prior to shipment from the factory. In some cases and to avoid errors these settings are 'locked' and are not user programmable.

Storing/editing connection settings (operator provided)

You can enter up to 5 different profiles.

To enter and store the profile details:

1. Press ▶. Select **Internet**.
2. Select **Profile list**.
3. Select an empty profile (**[...]**) and press **Options**.
4. Select **Edit**.
   Enter the 4 digit phone lock code (default code **0000**) and press **OK**.
5. Enter all settings (the settings depend on your operator).
6. To activate the required profile, use ▲ or ▼ to select it from the displayed list.
   Press **Options** and select **Select** to validate.
7. Press and hold **Exit** or to return to the stand-by display.

1. You can also access the Internet menu directly by pressing the Internet softkey from the stand-by display (provided you have not personalised the left softkey).
2. If the phone number, login names and password, Home page http address and IP address are not predefined, get these from your network operator and/or internet provider.

Personalising your connection settings

Optimise the behaviour of your phone while connected to the internet with the following settings:

1. Press ▶. Select **Internet**.
2. Select **Settings**.
3. Scroll to the following items and turn on or off as required:

Option	Action
Clear cache	Clears the memory used to store information that you downloaded. To clear this memory, select the **Yes** option.
Download pictures	Select the **Off** option to reject picture downloading. This decreases the page downloading time.
Scripting	Used to allow or forbid the execution of scripts within a page.
Auto-disconnect	Disconnects the mobile from the internet after a set period of inactivity. Enter the period (0 - 60 minutes) and press **OK**. **0** deactivates the auto-disconnect function.

4. Press and hold **Exit** or to return to the stand-by display.

Going online

To go online:

1. Press ▶. Select **Internet**.
2. Select **Home page**.
3. **Connecting to** followed by your proxy name appears. Then the word **Loading...** (of the home page) appears.

Once connected, your provider specific menu options appear. The icon indicates a 'live' circuit connection. By default the connection is not secure.

To have a secure connection, set 'Security on'. The icon indicates

a 'live' secure circuit connection.
Using while online
Press while online presents the following options:

Item	Action
Back	Returns to the previous page
Zoom +/-	Increases or decreases the displayed text size
Add bookmarks	Adds a current card to the list of bookmarks
Go to bookmarks	Goes to a bookmark
Reload	Reloads the current page
Home page	Reloads the home page
Other Site	Enter a different site
Disconnect	Disconnects the browser from the network but leaves the current page locally active
Close session	Disconnects the phone from the internet

The appearance of these items depends on the operator and/or values in the **Settings** menu.

Ending the online connection

To end the online connection:

Press .

☑ You can also select Close session item under the options menu.

Creating bookmarks

To revisit specific cards more quickly, use *bookmarks* to store the card address. This function depends on your provider. You can create a maximum of 10 bookmarks. Create bookmarks from the stand-by display or while viewing a page.

1. Press . Select **Internet**.
2. Select **Bookmarks**.
3. Press **Options**, select **Modify** and enter the following:

Option	Action
Alias	Name you wish to give to your bookmark
Address	Home page address

4. Press **OK** to validate each entry.
5. Press and hold **Exit** or to return to the stand-by display.

During a live connection while viewing page:

1. Press to display the options menu.
2. Select **Add bookmark**, enter the **Alias** name and press **OK**.

☑ Bookmarks can only be Edited or Deleted from the Bookmarks item under the Internet menu options while offline.

Using bookmarks

Bookmarks can be used from the stand-by display or while browsing.

- Directly from the stand-by display:

1. Press . Select **Internet**.
2. Select **Bookmarks**.
3. Select the bookmark name you require.

☑ To access the Internet directly use the Internet softkey (if not personalised).

- While browsing the internet:

1. Press to display the options menu.
2. Select **Go to bookmarks**.
3. Select the bookmark name you require.

Other site

You can enter another internet address directly by using the **Other**

site option from the **Internet** menu. Addresses are not stored and must be entered each time.

GSM man machine interface codes

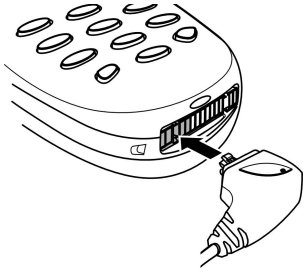
The phone supports the standard GSM key sequences using the * and # characters sent directly from the keypad to the network. These sequences are used to activate all the supplementary services provided by the network. Consult your service provider for a complete list.

Accessories

Using the headset

Connecting the headset

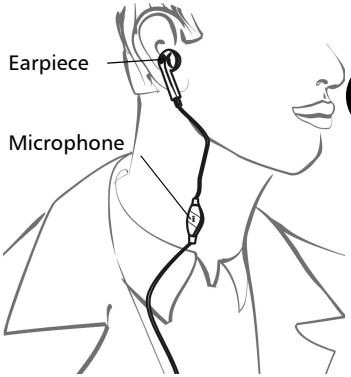
Insert the headset plug in the phone headset connector as shown:



☑ While inserting the headset plug in the phone headset connector make sure the Trium logo ( ) appears on top. Otherwise the headset does not work properly.

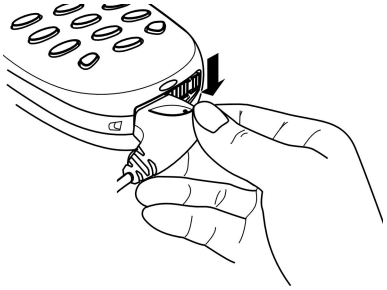
Using the headset

Place the headset earpiece in your ear.
The headset microphone is then at a convenient level for operation.
You can answer, reject and end calls using or (see page 11).
Adjust the earpiece volume level using ▲ or ▼.



Disconnecting the headset

Tilt the headset plug down as shown:



Appendix

Glossary

Expression	Meaning
AC/DC charger	Alternating Current/Direct Current charger
Active call	The call currently in conversation
ALS	Alternate Line (Line 2) Service
AoC	Advise of Charge - subscription service
CB	Cell Broadcast
CLI	Caller Line Identity - displays callers telephone number
Conversation mode	When the phone is making or receiving a call
DES	Data Encryption standard
Diverting	Diverts incoming calls to the phone to another number
DTC	Desk Top Charger
EMS	Enhanced Message Service
DTMF	Dual Tone Multifrequency Tones
FDN	Fixed Dialling Number
GSM	Global System for Mobile communications
http	HyperText Transfer Protocol
IN	Information Numbers of your operator
IP	Internet Protocol
LCD	Liquid Crystal Display
MMI	Man machine Interface
PIN/PIN2	Personal Identification Number. Supplied by your network/service provider
PPP	Point to Point Protocol
PUK/PUK2	PIN Unblocking Key. Used to unlock PIN and PIN2. Supplied by your network/service provider
Roaming (Rm)	The ability to use your telephone at home or abroad.
SDN	Service Dialling Number. Of your operator or service provider
SIM	Subscriber Identity Module. Supplied by your network/service provider
SMS	Short Message Service
SPN	Service Provider Name
SR	Status Report - relates to SMS messages
Stand-by mode	When the phone is on, registered onto a network but not making or receiving a call
URL	Uniform Resource Locator
WAE	Wireless Application Environment
WAP™	Wireless Application Protocol
WSP	Wireless Session Protocol
WTP	Wireless Transport Protocol

Trouble shooting

Problem	Possible cause and solution
Phone will not switch on	Check that the battery is fully charged and correctly connected to the phone.
No flashing battery icon while charging	There may be no mains supply. Try a different electrical socket. The AC/DC charger may be faulty. Return to your dealer and try substitution with another Mitsubishi adaptor. If faulty contact your dealer.
Short stand-by and talk times	Cell broadcast is permanently on, using more battery power. Phone is in a poor signal area and therefore always on full power. Incorrect charging and discharging. Always charge and discharge your battery fully. The battery is wearing out. Replace the battery.
Numbers cannot be entered	Keypad lock is on (appears). Press **Unlock** and # to turn off.
Calls cannot be made or received	Check at least one signal strength bar ( ) is displayed. Try a stronger signal strength area. If no network name is displayed, check registration and area coverage with your service/network provider and check the SIM is correctly inserted. Call barring option is on. Deactivate it (see page 42). Call cost limit is reached (see page 31).
Stored telephone numbers cannot be recalled	Fixed Dialled Number or Call Barring features are turned on. Check features and turn them off (see pages 25 and 42).
Phone switches on but there is no display	Display contrast is turned down too low. Reset contrast (see page 34).
Battery icon not flashing 1-2-3 during charging	May indicate a charging or battery problem. Turn the charger off and disconnect it. Reconnect and try again. May also indicate the battery is full and does not need more charging.
Flashing	There is not enough memory to store another SMS message. You must delete one or more of the existing stored messages (see page 26).
(.....) softkey	Function no longer available in the SIM or was subscription dependent. Reprogram the softkey (see page 34).

Error messages

Problem	Possible cause and solution
Allowed credit reached!	You are trying to place an outgoing call and the allowed credit is already reached. The allowed credit limit is reached during an outgoing call (the call is then aborted).
Busy	You are trying to make a call and the call fails because the destination number is already engaged in conversation.
Call failed	The user is unreachable. The outgoing call fails due to: the network cannot take the call due to system busy or the number is out of order or the number is unreachable or the network does not answer or the option to hide your phone number when calling is not supported by the network Control the ability to hide your ID when making a call (service availability in network).
Cancelled. No type selected	Cell broadcast activation has been requested but no message type has been selected.
Cannot execute command	You have made a request which is impossible to be executed in the current call situation.
Can't display message	The short message text cannot be displayed (characters not recognised, incorrect format etc.)
Check SIM!	There is no SIM present or the SIM is incorrectly inserted. See page 10 for more details.
Check your password	You changed the call barring password or You changed the call barring service status. The entered password seems to be wrong or incorrect.
Check your request	You made a request for a service that seems to be impossible to fulfil.
Check your subscription	You tried to activate a GSM service. You are requested to check your subscription regarding the related service rights of use/access.
Error!	The network cannot perform your request and generates an error result.
Failed	An SMS sending process failed (the short message cannot be sent).
Incorrect entry	You entered a character string with a syntax error.

Problem	Possible cause and solution
Invalid number	You tried to make a call and the call is rejected by the network because the network does not recognise the phone number structure or you tried to store a phone number that is too long to be stored in the selected location or you tried to move a phone entry to a location that is unable to receive the phone number (phone number too long)
Keypad locked "Unlock" # to unlock	A press on any key is made with keypad locked.
Low battery!	This text appears when the battery becomes too low and the mobile soon switches off automatically.
Network busy	You tried to make a call. The call is rejected by the network due to congestion problems.
Network not allowed	When selecting network manual search, you have selected a network that rejects the connection.
New PIN incorrect. Try again	Changing PIN: the new PIN code values differ (value control).
New PIN2 incorrect. Try again	Changing PIN2: the new PIN2 code values differ (value control).

Problem	Possible cause and solution
No action performed	When a copy/move operation is made on memories but no conditions have been changed (same memory, number and name).
No response	You made a call to a remote user and no response has been received.
Not allowed	Your number/character entry is not allowed.
Not allowed (fixed dialling)	A call is tried, but cancelled due to fixed dialling control (the number dialled does not match with one of the fixed dialling numbers in memory).
Not Available	There is no more SIM storage.
Number changed	The called number has changed.
PIN blocked	A wrong PIN code has been entered 3 times.
PIN2 blocked	A wrong PIN2 code has been entered 3 times.
PUK2 blocked	A wrong PUK2 code has been entered 10 times. The SIM services protected by the PIN2 code have now been permanently disabled.
Ring volume Off	The ring volume is set to 0 (no volume)
Reaching allowed credit!	The cost limit is about to be reached. The connected call ends automatically when the limit is reached.

Problem	Possible cause and solution
Service not available	Activating some GSM services that are not available on the network
SIM blocked. Contact provider	A wrong PUK has been entered 10 times. The SIM card has been permanently disabled and needs to be replaced by a new one.
SIM blocked. Enter PUK:	A wrong PIN code has been entered 3 times. Enter the PUK code to unblock the SIM card.
SIM fixed full SIM names full Phone names full	The corresponding memory is full.
SMS memory locations are full	The storage of new messages (when writing a new SMS) is impossible.
Wrong code. Try again	A wrong phone lock code has been entered.
Wrong new code. Try again	The new phone lock codes do not match (value control).
Wrong PIN, try again Wrong PIN2, try again Wrong PUK, try again Wrong PUK2, try again	The wrong code has been entered.
Message not sent	The handset may be out of the network range or the network is temporarily overloaded.

Problem	Possible cause and solution
Internal fault	An unrecoverable error has occurred. Switch the handset off and back on again. It may be necessary to reset the EMS system (Settings menu). Beware: all services and EMS messages will then be erased.
Invalid Service Menu	An invalid service menu has been sent to the handset. The invalid service menu is ignored, no further action necessary.
Registration required	You have not registered to any service. Go to the Service registration menu.
Menu limit reached	A new service menu item has been received but the remaining storage space is not sufficient to store it. Delete one or more registered menu items (My Services menu) and accept the new menu or discard the new menu.
Server limit reached	A new service has been received but the remaining storage space is not sufficient to store it. Delete one or more registered service(s) - Settings menu - and accept the new service or discard the new service.

Guarantee

Pan European Service

Should you experience any difficulty then please contact your nearest MITSUBISHI location listed below for information on other service centres.

UNITED KINGDOM Tel: (0800) 912 00 20	ESPAÑA Tel: (902) 11 68 58
FRANCE Tel: (0825) 86 82 83	ITALIA Tel: (800) 27 59 02
DEUTSCHLAND Tel: (01803) 33 71 84	IRELAND Tel: (1800) 92 70 12
BELGIUM Tel: (0800) 75733	SWITZERLAND Tel: 032 843 65 11
AUSTRIA Tel: (0800) 292716	FINLAND Tel: (0800) 116 975
PORTUGAL Tel: (0800) 880 264	SWEDEN Tel: (0200) 214 715

THE NETHERLANDS
Tel: (0800) 0223825

To obtain Warranty Service, you will require your original equipment purchase invoice or irrefutable proof of purchase. Please see warranty terms and conditions for in warranty service.

Pan-european GSM End-user Guarantee Conditions

1. You can benefit from this guarantee only if you are the original end-user purchaser.
2. MITSUBISHI guarantees that for a period of twelve (12) months from the date of purchase from your dealer, the Product shall be free from defects in materials and workmanship. Subject to the conditions below, Mitsubishi will indemnify you against all cost of parts and labour for repairs to or replacement of the product or parts (which may include equipment of similar type) where conducted by an authorised MITSUBISHI GSM service centre. MITSUBISHI shall be entitled to retain product which has been replaced.
3. Any claims must be made to an authorised MITSUBISHI GSM service centre in the countries mentioned in the service card enclosed with the product. In case of difficulty you can contact the Mitsubishi companies listed in the service card to obtain details of your nearest authorised MITSUBISHI GSM service centre. As a condition of this guarantee, the date of your purchase must be confirmed by producing your original invoice from your supplier or your sales receipt, showing the serial number, together with the service card. Final determination of guarantee claim eligibility shall be made by MITSUBISHI. MITSUBISHI shall not be liable for shipment costs to and from an authorised GSM MITSUBISHI service centre; the product travels at your risk.
4. This guarantee does not cover:
   a) battery defects of any nature;
   b) non-compliance with directions for use;
   c) installation or removal charges where the product is installed in a vehicle;
   d) defects or failures caused by accident, misuse, improper installation or improper repair by an unauthorized repairer, alteration or modification, neglect, failure to use for normal purpose, Acts of God, water ingress, use in adverse environmental conditions (humidity or temperature);
   e) cost of or performance of modifications to product to adapt or adjust to conform to national or local safety laws, where such safety laws go beyond harmonised European Union standards;
   f) loss of use of the product or consequential loss of any nature;
   g) loss of use of air-time, loss of use of any loaned equipment or ancillary equipment;
   h) provision of incorrect or insufficient signal on air-time network, upgrading of product software to changes in network operating parameters, mains supply voltage fluctuations, incorrect SIM card (memory card) parameters for connection to airtime retailer;
   i) damage caused by non-MITSUBISHI accessories.
5. Any guarantee claim or service does not extend the original guarantee period unless so required by prevailing national law.
6. This guarantee is valid only if the product is purchased and used in the European Union, Norway, Iceland or Switzerland.

THIS GUARANTEE DOES NOT AFFECT YOUR STATUTORY RIGHTS.

DECLARATION OF COMPLIANCE

Name	: **Mitsubishi Electric Telecom Europe S.A.** **RCS Nanterre B 307 593 129**
Address	: **25, boulevard des Bouvets**
Town	: **Nanterre Cedex**
Postal code	: **92741**

Identification of the product

Nature	: **Mobile Cell Telephone**
Type	: **Dual band GSM 900/DCS 1800**
Sales reference	: **MT-360**

Declares under its entire responsibility that the product described above complies with the following basic applicable requirements (and in particular those in the 1999/5/CE directive):

Article 3.1a: (health protection and user safety)
73/23/CEE, Cenelec EN 50361

Article 3.1b: (protection requirements concerning electromagnetic compatibility)
89/336/CEE, ETS 300 342-1

Article 3.2: (proper use of the radio-electric spectrum so as to avoid damaging interference)
EN 301 511

To this effect, declares that all the radio test series have been carried out.

9th of January 2002,

Viet Mailam
Managing Director

Index

A

Access to the menus 20
Alarm
  Clock 44
Alert mode 32
Alert tone
  Turning on/off 26
Any key answer 34
Auto
  Answer 35
  Retry 35
Auto-disconnect 48
Automatic ramping 33
Automatic search 41
Auto-switch 45

B

Backlight 15, 34
Balance information 30
Barring password
  Call 42
Basic operations
  SMS 15
  Unanswered call 15
  Voice mail 15
Battery 10
  Alarm volume 33
  Charging 12
  Disposal 6
  Fitting 12
  Low battery warning 12
  Removing 12
  Safety information 6
  Use 6
Battery cover
  Replacing 10
Bookmarks
  Creating 49
  Deleting 49
  Using 49
Broadcast 43
  Alert 44
  Language 44
  Message types 43, 44
  On/Off 43

C

Cache memory
  Clearing 48
Calculator 45
Call
  Conference 19
  Duration 31
  Holding 18
  Multi-party 19
  Reminder 31
  Retrieving 18
  Times 30
  Waiting 18
Call barring 42
  Password 7
Call costs
  Reset 32
Call timer
  Reset 31
Caller line identity 39
Calling 11
Calls & Times 29
  Call costs 31, 32
  Call timers 30, 31
  Calls log 29
  Costs 31
  Line selection 32
Calls Log 29
Care and maintenance 5
CB 43
CB messages
  Deleting 44
  Editing 44
  Reading 43
Cell broadcast 43
CLI 39
Conference call 19
Connection profile 47
Cost management 31
Country Codes 16
Creating a draft text 27
Credit limit 31
Currency-converter 47

D

Date setting 37
Default settings 37
Dialling
  Calls Log memory 16
  Phonebook 16
Dialling from memory 16
Display contrast 34
Diverting 39
Draft text
  Creating 27
  Editing 27
DTMF tones 17

E

Emergency calls 5
EMS 29
Ending a call 12
Error messages 54

F

FDN 25
Fixed dialling numbers 25

G

General
  Safety 4
Getting started 10
Glossary 52
GSM man machine
  interface codes 50
GSM Services 38
  Call barring 42, 43
  Call diverting 39
  Network 40, 41
  Receiving caller ID 40
  Sending my ID 40

H

Handsfree features 17
Headset
  Use 51
Holding a call 18

I

Incoming Calls
  Diverting 39
International Country Codes 16
Internet 15, 47
  Bookmarks 49
  Going online 48
  Home page 48
  Other site 49
  Personalising 48
  Profile list 48
  Settings 47, 48

K

Keypad lock 15, 32

L

Language selection 32
Last dialled numbers 16
Line 1 ..... 25, 29, 30, 32, 39
Line 2 ..... 25, 29, 30, 32, 38, 39

M

Making a call 11
Managing SMS messages 26
Melodies 33
Melody download 38
Menu 20
  Access 20
Menu graphics 34
Menu map 20
Message templates 28
Messages 15, 26
  Alert 26
  Draft texts 27
  Inbox 26
  Msg. Templates 28
  Outbox 28
  Rich Messages 29
  Settings 26
  Storage 29
  Write new 27, 28
Mobile number
  Hiding 39
  Showing 39
Multi-party call 19
Muting 17

N

Network 40
Network services 22

O

Office Tools
  Alarm clock 45
  Scratchpad 44
Office tools 44
Online connection 48
  Bookmarks 49
  Ending 49
  Personalising 48
Outbox 28
Own number 25

P

Pause feature 18
Phone
  Customising 32
Phone Book
  Calling numbers 24
  Fixed Dialling 25
  Free space 24
  Own numbers 25
  Recall 24
  Remaining 24
  Store 23, 24
  Viewing numbers 24
Phone lock 36
  Code 7, 36
Phone settings 32
Phonebook 22
PIN code 36
PIN/PIN2 codes 6
PIN2 code 36
Problems 54, 55, 56
Programmable
  Softkeys 34
  Speed dialling 16
PUK code 37
PUK/PUK2 Codes 7
PUK2 code 37

R

Ramping 33
Reading an SMS message 26, 29
Receiving a call 12
Reminder - call time 31
Responsibility 6
Retrieving a call 18
Ring 33
Ring tone 33

S

Safety information 4
  Battery 6
  Care and maintenance 4
  Emergency calls 4
  Responsibility 4
  Security codes 4
  Vehicle safety 4
Scratchpad 44
Scripting 48
Second call 19
Security 35
  Codes 6
  Features 35
Sending an SMS message 27
Settings 32
  Auto features 35
  Broadcast 43, 44
  Default settings 37
  Display 34
  GSM Services 39, 40, 41, 42, 43
  Internet 47
  Keypad lock 15
  Keys 34, 35
  Language 32
  Menu graphics 34
  Phone settings 15, 32, 33
    34, 35, 36, 37
  Security 36, 37
  Time & date 37
  Tones 32, 33, 34
  Voice Mail 38
Show costs 32
Silent 33
Silent alert mode 17
SIM
  Card 10
SIM card 14
SMS 15, 26
SMS messages
  Managing 26
  Preparing your phone 26
  Reading 26, 29
  Sending 27
  Storing 28
Softkey programming 34
Solutions 53, 54, 55, 56
Speed dialling 16, 35
Standby display 11
Storage consumption 29
Storing an SMS message 28
Storing names and numbers 22

T

T9 20
T9 text entry 21
Time & date 37
Time settings 37
Trouble shooting 53
Turning
  Off 12
  On 10

V

Vehicle safety 4
Vibrate 33
Vibrate & ring 33
Vibrate alert modes 17
Vibrate then ring 33
Voice Mail
  Alert 38
  Call 38
  Number 38
Voice mail 38
Volume 17
  Adjustment 17
  Alert mode 33
  Conversation 33
  Keys tones 33
  Ring tone 33

W

WAP™ 47

Austria 0800 292716	Germany 0800 1808133	Netherlands 0800 0223825
Belgium 0800 75733	Greece 00800 44131247	Portugal 0800 880264
Denmark 8088 1816	Ireland 1800 927012	Spain 9009 34497
Finland 0800 116975	Italy 800 791029	Sweden 0200 214715
France 0800 913080	Luxembourg 800 23 552	UK 0800 9120020

Trium®
by MITSUBISHI ELECTRIC

www.mitsubishi-telecom.com

FA9M078910-A