

Important Information

Thank you for purchasing this Panasonic digital cellular phone. This phone is designed to operate on GSM networks – GSM900, GSM1800 and GSM1900. It also supports GPRS for packet data connections. Please ensure the battery is fully charged before use.

Safety Considerations

The following information should be read and understood as it provides details which will enable you to operate your phone in a manner which is both safe to you and your environment, and conforms to legal requirements regarding the use of cellular phones.



This equipment should only be charged with approved charging equipment to ensure optimum performance and avoid damage to your phone. Other usage will invalidate any approval given to this apparatus and may be dangerous. Ensure the voltage rating of the Fast Travel Charger is compatible with the area of use when travelling abroad. A Fast Travel Charger (EB-CAX70xx*) is supplied with the Main Kit. Other recommended equipment for charging – Car Charger (EB-CDX70xx).

Note* xx identifies the Charger region, e.g. CN, EU, UK.



Use of another battery pack than that recommended by the manufacturer may result in a safety hazard.



If you use a feature which keeps the key backlight on continuously for a long time, such as the camera, a game or the browser, battery life will become extremely short. To maintain longer battery life, set the key backlight to off. See “Settings” on page 96.



Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network and may be illegal. Failure to observe this instruction may lead to the suspension or denial of cellular phone services to the offender, or legal action or both.



Do not incinerate or dispose of the battery as ordinary rubbish. The battery must be disposed of in accordance with local regulations and may be recycled.



It is advised not to use the equipment at a refuelling point. Users are reminded to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress. Never expose the battery to extreme temperatures (in excess of 60°C).



It is imperative that the driver exercises proper control of the vehicle at all times. Do not hold a phone while you are driving; find a safe place to stop first. Do not speak into a handsfree microphone if it will take your mind off the road. Always acquaint yourself thoroughly with restrictions concerning the use of cellular phones within the area where you are driving and observe them at all times.



Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.



Do not leave the camera facing direct sunlight to avoid impairing the camera performance.



For most efficient use hold the phone as you would any normal phone. To avoid deterioration of signal quality or antenna performance, do not touch or “cup” the antenna area while the phone is switched on. Unauthorised modifications or attachments may damage the phone and violate applicable regulations. The use of an unapproved modification or attachment may result in the invalidation of your guarantee – this does not affect your statutory rights.

This phone should only be used with Panasonic approved accessories to ensure optimum performance and avoid damage to your phone. Panasonic is not responsible for damages caused by using non-Panasonic approved accessories.

This Panasonic mobile phone is designed, manufactured and tested to ensure that it complies with the specifications covering RF exposure guidelines applicable at the time of manufacture, in accordance with EU, USA FCC and Australian ACA regulations.

Please refer to our website for latest information/standards and compliance in your country/region of use.

<http://www.panasonicmobile.com>

Care and Maintenance



Pressing any of the keys may produce a loud tone. Avoid holding the phone close to the ear while pressing the keys.



Extreme temperatures may have a temporary effect on the operation of your phone. This is normal and does not indicate a fault.

The display quality may deteriorate if the phone is used in environments over 40°C for a long time.



Do not modify or disassemble the equipment. There are no user serviceable parts inside.



Do not subject the equipment to excessive vibration or shocks.

Do not drop the battery.



Avoid contact with liquids. If the equipment becomes wets, immediately remove the battery and contact your dealer.



Do not leave the equipment in direct sunlight or a humid, dusty or hot area.

Never throw a battery into a fire. It may explode.



Keep metallic items that may accidentally touch the terminals away from the equipment/battery.

Batteries can cause property damage, injury or burns if terminals are touched with a conductive material (i.e. metal jewellery, keys, etc.).



Always charge the battery in a well ventilated area, not in direct sunlight, between +5°C and +35°C. It is not possible to recharge the battery if it is outside this temperature range.



When connecting the phone to an external device, read the operating instructions of the equipment for the correct connection and safety precautions. Ensure the phone is compatible with the product it is being connected to.



When disposing of any packing materials or old equipment check with your local authorities for information on recycling.

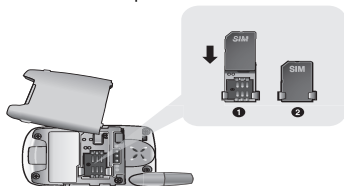
Getting Started

Some services described in this manual are network dependent or may only be available on a subscription basis. Some functions are SIM dependent. For more information contact your service provider.

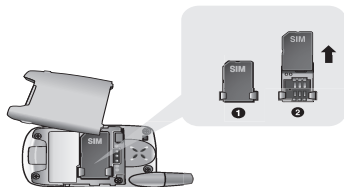
Inserting and Removing the SIM

The SIM is inserted into the back of the phone underneath the battery.

Insert the SIM



Remove the SIM

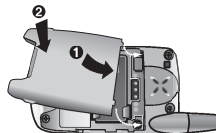


NOTE: If you are upgrading your phone and your previous phone did not support new services, such as Multi Media Messaging, you may need to insert a new SIM. Contact your service provider.

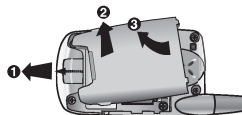
Attaching and Removing the Battery

Before removing the battery, ensure that the phone is switched off and the charger is disconnected from the phone.

Attach the battery



Remove the battery



Charging the Battery

Connecting and disconnecting the Fast Travel Charger

The battery must be attached in the phone before the charger is connected. Insert the connector into the base of the phone, ensuring the arrows on the connector face to the front of the phone.



NOTE: Do not force the connector as this may damage the phone and/or the charger.

Connect the charger to the AC outlet. When the phone is charging, the charging indicator will light and a scrolling icon will appear in the main display.



When charging is complete switch off the mains power supply and disconnect the charger.

Operation of Battery Level Indicator

While charging	Charging complete
	

Battery level indicator is not displayed when the phone is switched off.
Charging Indicator will go out when charging is completed.

Low Battery Power Warning









When the battery power is low, a warning tone will sound and a flashing **Battery low** message will be displayed. If this occurs during conversation, finish your call immediately. The power will automatically switch off after the warning tone. Fully recharge the battery. See "Charging the Battery". (Calls can be made and received while the phone is charging.)









NOTE: Some settings may be lost if the battery is removed or remains discharged for more than 2 hours.

Keys & Displays



Keys








Key	Function		
	Navigation Key: Select and save settings, and scroll/move through menus, text and Contacts. Also serves as shutter button for the camera and to control movements while playing games.		
		SELECT	Press centre to select option or to save.
		SCROLL	Press top or bottom edge to move screen cursor up or down.
		MOVE	Press left or right edge to move screen cursor left or right.
	Left Soft Key: Perform function displayed in lower left corner of the display. From Idle, press to open Messages Menu.		
	Right Soft Key: Perform function displayed in lower right corner of the display. Mainly used to cancel and return to previous menu level or to delete text/number entries. Press and hold to delete all characters in text entry mode. From Idle press to open Panasonic box.		
	Send Key: Make a call or recall recently dialled phone numbers.		
	Power/End Key: Press and hold to switch phone on/off. When the phone is on, press briefly to end a call.		



Key	Function
 to 	<p>1 Key/Voicemail Key: Press and hold  to retrieve voicemail messages.</p> <p>1-9 Number Keys: Enter numbers. Press and hold a single key (2~9) for Speed dial. In text entry mode, enter text, numbers and characters.</p>
	International Dialling Prefix Key: Press and hold  to enter + (the international dialling prefix) while entering a phone number.
	Asterisk Key: During text entry mode, press to switch between upper case and lower case letters. Changes Input mode (Hold).
	<p>Pause Key: Press and hold to enter a pause while entering a phone number. In text entry mode, press to enter a space. Press and hold to enter a line feed.</p> <p>Quiet Mode Key: From Idle, press and hold to turn Profile Quiet on/off.</p>
	Multi Function Key (located at the right side of the phone): Enters camera mode. Takes a picture. Turns ring tone off and stops vibration when receiving a call (Alert Mute).

Shortcuts


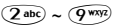

When you are familiar with the menu system, you can use the keypad to access features instead of navigating through the display menus.

Short press (from Idle)

Key	Function
 or 	Messages
 or 	Panasonic box
	Menu
	Shortcuts
	Contacts

Key	Function
	Call dial field
	Dialled numbers
	Camera

Long press (from Idle)











Key	Function
	Voicemail
	Speed dial
	Quiet Mode Setting












Display



With some operations, the display automatically clears after three seconds or after pressing any key.

Different icons are shown, depending on the features you are using and the options you have selected. Icons appear on the main display as shown in the following table.

Icon	Indicates
	Signal strength The more bars visible, the stronger the signal.
	Battery charge level
	Battery is charging
	GPRS is active
	Profile setup
	SMS message storage area is full
	MMS message storage area is full
	Java™ (Suspended)
	Unread SMS message
	Unread MMS message

Icon	Indicates
	Unread Wap push message
	Call divert is on
	IrDA is active
	Voicemail message
	Ring Volume 0
	Vibration alert is on
	Alarm is set
	On-line browsing during CSD (Non-Secure)
	On-line browsing during CSD (Secure)
	On-line browsing during GPRS (Non-Secure)
	On-line browsing during GPRS (Secure)

Illumination Light
















Function	Luminous colour	Light goes out
Incoming Call	Purple	Switchover to voice call, or if call is missed
Call in progress	Blue	Call ended
Missed call notification	Yellow	Mobile phone status: Closed LED goes out when phone is opened. Mobile phone status: Open LED goes out by pressing any key or if phone is closed.
Message notification (SMS or MMS or WAP Push)	Green	Mobile phone status: Closed LED goes out when phone is opened. Mobile phone status: Open LED goes out by pressing any key or if phone is closed.
Alarm notification	Red	After alarm is ended (30 seconds) or any key is pressed.

NOTE: Flash interval of these illumination depend on network condition.


How to Use this Phone

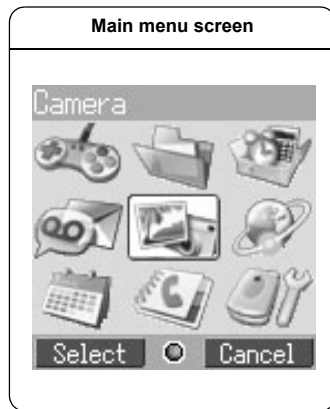
Symbols Used in the Manual

The table below shows the symbols used throughout these instructions and the corresponding meaning in the column on the right.

Symbol	Meaning
	Press centre of the Navigation key to select option or to save.
	Direction in which you can move on the display screen with the Navigation key.
	Shows possibility of moving in any direction (up, down, left and right) on the display screen with the Navigation key.
	Shows possibility of moving up and down on the display screen with the Navigation key.
	Shows possibility of moving left and right on the display screen with the Navigation key.
	Press Left Soft Key.
	Press Right Soft Key.
	Press centre of Navigation key or Left Soft Key.
	Number keys
	Press Asterisk key.
	Press Pause key / Quiet Mode Setting key.
	Answer a call or call a dialled number.
	End a call or return to Idle screen or press and hold to switch the phone on or off.
	Indicates that a function is SIM dependent.
	Indicates that a function is network dependent.

Selecting a Menu Option



From Idle, press the centre of the Navigation key  to open the main menu display. The main menu display has 9 options.




Phone Basics and Managing Calls

Switching Phone ON/OFF




- 1 Press and hold  for three seconds
- 2 When the phone is switched on, a greeting may be displayed and the phone then enters the Idle mode.
Press and hold  again to switch phone off

NOTE: When switching the phone off, use only  to avoid damaging the phone.




Displaying Menu

- 1 To access the Menu, press 
- 2 The Menu will be displayed.
(The Menu may vary depending on your SIM.)












Making Calls




- To make a call, start in Idle mode.
- Ensure network name and  appear on the display.



Standard Dialling

- 1 Enter phone number (  ~  ,    )
- 2 

Contacts Dialling

- 1  **Contacts** (see “Shortcuts” on page 9)
- 2  required contact 

Recent Number Dialling (Calls Made or Received)

- 1 
- 2  **Dialled Numbers, Answered Calls or Missed Calls**
- 3  required contact 



International Dialling

The international code for the destination country/region should be entered, followed by the area code and phone number.

- 1 Press and hold **0+**
- 2 Enter country/region code
- 3 Enter area code and phone number ↶

NOTE: Many countries/regions include an initial "0" in the area code. This should, in most cases, be omitted when dialling international numbers. If you have difficulties making international calls, contact your service provider.

Emergency Call

To make an emergency call the antenna (**T**) must be present.

If SIM is installed enter emergency number ↶




If SIM is not installed,

- 1
- 2 **SOS**
- 3 /



NOTE: Making emergency calls without a SIM installed is country or network operator dependent.



Answering Calls.....

Press any key except  /  /  / 

Ending / Rejecting Calls.....




 /  or fold the phone during an incoming call to reject the call or end a call in progress.



Managing Calls

Voicemail

You need to subscribe to the voicemail service through your service provider before you can retrieve voicemail messages. To check if voicemail access has been configured, press and hold **1**. See “Voicemail” on page 67 on how to programme.


- 1 When a new voicemail message is received, an alert sounds and  appears in lower part of the display or you receive an SMS notification (depending on the local service)
 -  remains on the display until you have listened to all your voice messages.
- 2 Press and hold **1** to automatically dial your voicemail number
 - If the number is not valid, contact your service provider.
- 3 Follow the recorded instructions for your voicemail
- 4  when finished





Activate Quiet Mode

- 1 To quickly set the phone to your preset Quiet Mode settings, press and hold **# 2**
 - To change Quiet Mode settings, see “Editing Profile” on page 28.
- 2 To disable, press and hold **# 2** again


In-Call Options



During a call,  for options

Option	When “Left Soft Key” is pressed
Hold Call	Put a call on hold. To resume,  ,  Resume  / 
From contacts	Access the contact list
Create SMS	Access Create SMS
Inbox (SMS)	Access Inbox (SMS)
Calendar	Access Calendar
Handsfree	Switch to Desktop Handsfree

Earpiece Volume

During a call:  to adjust earpiece volume

Desktop Handsfree


Desktop Handsfree allows you to have a conversation without holding the phone to your ear.

Swapping Between Handsfree and Handheld Calls

During a Handheld call:

,  **Handsfree**  / 

During a Handsfree call:

,  **Handheld**  / 

NOTE: Do not hold the phone to your ear in Handsfree mode.



DTMF Tones

DTMF tones can be sent during conversation. These are often used to access voicemail, paging and computerised home banking. For example, you may need to input a number to remotely access voicemail messages. A phone number may be stored in Contacts with DTMF tones, allowing the number to be dialled upon recall and the DTMF number to be sent automatically.

Send DTMF Tones During a Call:

Press digits (0 + ~ 9 wxyz, # *, *)

Pause Dial:

Using pauses allows you to send DTMF tones automatically.

- 1 Enter phone number
- 2 Press and hold # until a P is displayed at the end of the phone number entered
- 3 Enter DTMF digits after the pause, e.g. enter the number to access voicemail messages
- 4 ↻

When the call is connected DTMF tones will be sent after 3 seconds or ↻ to send the DTMF tones immediately.



Incoming Call While on a Call

During a call, you may receive another call. To enable this, call waiting must be on (see “Call Waiting” on page 39).

Accept a second call:

⏸ / ☐ (The second call is active, the current call is put on hold)

The following options are available when two calls are connected.

Option	When “Left Soft Key” is pressed
Swap	Switch between two connected calls
Merge	When two calls are connected (one active, one on hold), ● to enable multi-party conversation. All three parties can then talk to each other
From contacts	Access the contact list
Create SMS	Access Create SMS
Inbox (SMS)	Access Inbox (SMS)
Calendar	Access Calendar
Handsfree	Switch to Desktop Handsfree

Reject a second call:

⏸ to reject the incoming call and to resume the call in progress.

End current call and receive second call:

☐ to end the call in progress, then press ⏸ / ☐ to answer the incoming call.

NOTE: Call waiting is network dependent.

Making a Second Call

During a call:

Enter second phone number and ⏸

or

☐ for options and select required contact from Contact List and ⏸

• The first call is put on hold.

NOTE: Making a second call is network dependent.



Multi-Party Calls

- 1 Establish a multi-party call by merging two calls
- 2 Continue to add people to the multi-party call (up to 5 connections in total) by calling others or by accepting incoming calls

Multi-Party Calls:

A multi-party call has 3 or more people in conversation at the same time.



When making a call or accepting an incoming call, the multi-party call is placed on hold. The callers already in the multi-party call can continue to talk with each other while on hold. Each additional connection can then be merged into the multi-party call by , **Merge** / .

Multi-Party Call Options

You can select an individual from the multi-party call and split the conversation, allowing you to talk privately without the participation of the rest of the parties in the multi-party call.

- 1 During a multi-party call,
- 2 **Option** /
- 3 desired caller in the multi-party list
- 4 desired option

Option	When "Left Soft Key" is pressed
Split	/ to split the selected caller from the multi-party call so you can talk privately. The remaining multi-party callers are placed on hold and can still talk with each other. To rejoin the call, , Merge /
OK	/ to close the options list

To end that call's connection, (End)

- 5 to end the multi-party call and all connections



Call log

Recently dialed phone numbers, answered calls and missed calls are stored in the Call log. It is possible to call and send messages from stored numbers.

Viewing Call log

- 1
- 2 **Dialled Numbers, Answered Calls or Missed Calls**
- 3 required phone number

Sending Messages

- 1
- 2 **Dialled Numbers, Answered Calls or Missed Calls**
- 3 required phone number
- 4
- 5 **Send message** /
- 6 **Send MMS or Send SMS** /
- 7 Enter a message

For details on creating a message, see “Creating a New MMS” on page 53 or “Creating a Text Message” on page 62.



Saving a Phone Number from Call log into the Contacts list.....

- 1
- 2 **Dialled Numbers, Answered Calls or Missed Calls**
- 3 required phone number
- 4
- 5 **Add to contacts** /
- 6 **Phone or SIM** /
- 7 required icon
- 8 Enter as appropriate
(If required, repeat steps 7 and 8)
- 9

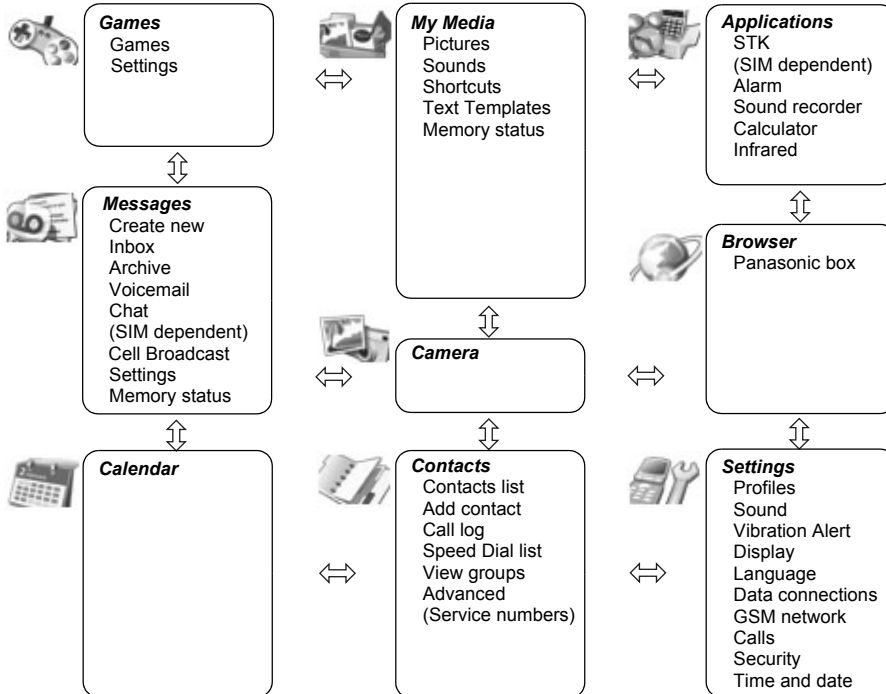
Options in Call log.....

In each Call log entry, the following options are available.

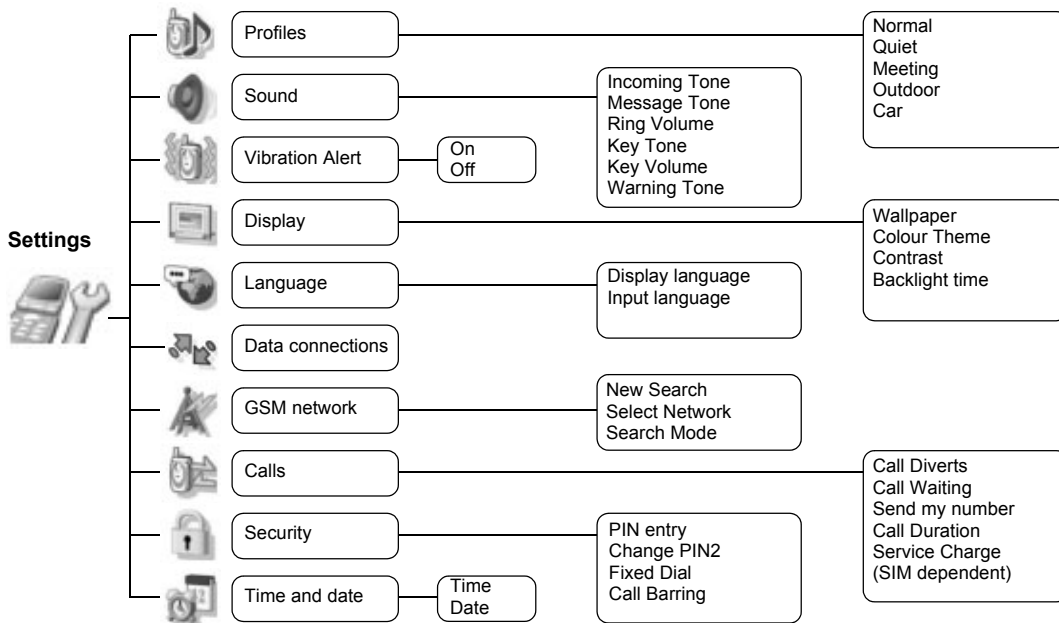
For options

Option	When "Left Soft Key" is pressed
Call	Call selected number
Send message	Send MMS/SMS message to selected number
Add to contacts	Store number to Contacts
Delete	Delete selected log
Delete all	Delete all logs in the list (This option is available in the Call log list.)

Explore the menus



Settings menu structure



Settings

Settings



Profiles



Profile Setting

You can switch between five profiles in your phone each with a distinct combination of ring tone, ring volume, etc.

Profiles are set up for use in different environments – for instance you might want to create a Quiet profile, a Meeting profile with a ring tone appropriate for formal occasions and an Outdoor profile for loud environments.

Within each profile, distinct melodies can be set as incoming call and message alerts etc.

Activating a Profile

From Profiles menu

- 1 required profile
 - 2 **Activate** /
- or
- 1 required profile



Settings



Profiles

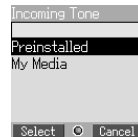


Editing Profile

Incoming Tone.....

From Profiles menu

- 1 required profile
- 2 **Edit** /
- 3 **Incoming Tone** /
- 4 **Preinstalled, My Media or Download** /
- 5 required data /



Message Tone.....

From Profiles menu

- 1 required profile
- 2 **Edit** /
- 3 **Message Tone** /
- 4 **Preinstalled, My Media or Download** /
- 5 required data /



Ring Volume.....

From Profiles menu

- 1 required profile
- 2 **Edit** /
- 3 **Ring Volume** /
- 4 / adjust the volume level (1- 4, steptone) /



NOTE: Step Tone will give an escalating tone.

Settings



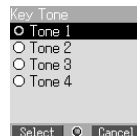
Profiles



Key Tone

From Profiles menu

- 1 required profile
- 2 **Edit** /
- 3 **Key Tone** /
- 4 required key type /



Key Volume

From Profiles menu

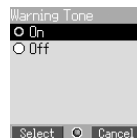
- 1 required profile
- 2 **Edit** /
- 3 **Key Volume** /
- 4 / adjust the volume level (1-4) /



Warning Tone

From Profiles menu

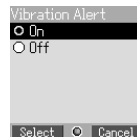
- 1 required profile
- 2 **Edit** /
- 3 **Warning Tone** /
- 4 **On or Off** /



Vibration Alert

From Profiles menu

- 1 required profile
- 2 **Edit** /
- 3 **Vibration Alert** /
- 4 **On or Off** /



Settings



Sound



Tone Setting

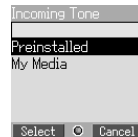
Changing the Ring Tone

The ring tone of the phone can be changed to one of the tones from **Preinstalled**, **My Media** or **Download**. Incoming tone and Message tone can have different ring tones assigned.

Changing Incoming Tone

From **Sound** menu

- 1 **Incoming Tone** ● /
- 2 **Preinstalled, My Media or Download** ● /
- 3 required data ● /



Changing Message Tone

From **Sound** menu

- 1 **Message Tone** ● /
- 2 **Preinstalled, My Media or Download** ● /
- 3 required data ● /



Setting Ring Volume

From **Sound** menu

- 1 **Ring Volume** ● /
- 2 / adjust the volume level (1- 4, stepstone) ● /



NOTE: Step Tone will give an escalating tone.

Settings



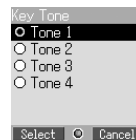
Sound



Setting Key Tone

From **Sound** menu

- 1 **Key Tone** /
- 2 required tone /



Setting Key Volume

From **Sound** menu

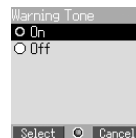
- 1 **Key Volume** /
- 2 / adjust the volume level (1- 4) /



Setting Warning Tone

From **Sound** menu

- 1 **Warning Tone** /
- 2 **On or Off** /



Settings



Vibration Alert

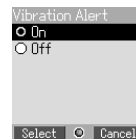


Vibration Alert Setting

Vibration Alert can be set to indicate an incoming call.

From **Vibration Alert** menu

On or Off /



Settings



Display



Display colour, Contrast, Wallpaper and Backlight time can be changed.

Display Setting

Setting Wallpaper.....

From **Display** menu

- 1 **Wallpaper** /
- 2 **Preinstalled, My Media or Download** /
- 3 required data
- 4 To view and save, press then / to save
To save without viewing, press



Setting Display Colour Theme.....

From **Display** menu

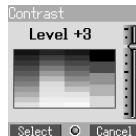
- 1 **Colour Theme** /
- 2 required colour /



Setting Display Contrast.....

From **Display** menu

- 1 **Contrast** /
- 2 adjust the contrast /



Setting Backlight time.....

From **Display** menu

- 1 **Backlight time** /
- 2 required time /



The backlight goes out, then LCD is turned off in 5 minutes.


Settings





Language



Changing the Language

It is possible to change the language that the phone uses for display messages and/or text entry. ()

From **Language** menu

- 1  **Display language** or **Input language** /
- 2  **required language** /



Data connections



Data connections

GPRS settings and CSD settings are stored in the Data connections menu. Data can be sent/received using GPRS or CSD technology.

Settings



GSM network



National regulations may not permit roaming in your home region.

Network Setting

Changing to a New Network

The New Search function is used to manually select a network that is available in your current location.

From **GSM network** menu

- 1 **New Search** /
- 2 required network /

Select Network

View available networks

From **GSM network** menu

- 1 **Select Network** /
- 2 required network
- 3 required option (see page 36) /

NOTE: MCC/MNC code will appear on the display. MCC is Mobile Country Code, MNC is Mobile Network Code.



Settings



GSM network



When the Search Mode is set to Automatic the phone will automatically reselect a new network in order to maintain optimum network availability. The Network List is used when the Search Mode is set to Automatic. The location numbers in the Preferred Network List show the search priority.

You can amend the List as follows:

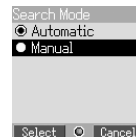
Option	Explanation
Add	Store a new network at the end of the list
Insert	Store a new network in the currently displayed location and move other networks down
Edit	Overwrite the old network with a new one
Delete	Delete the network you have selected

Search Mode

It is possible to set your phone to automatically or manually search for the other networks when roaming.

From **GSM network** menu

- 1 **Search Mode** /
- 2 **Automatic or Manual** /



When the Search Mode is set to Manual the phone will only use a selected network. If coverage is lost another network should be manually selected.

Settings



Calls



Call Settings

Call Diverts.....

Voice calls can be diverted to different numbers in different situations. For example, you may wish voice calls to be diverted to Voice mail in the event that the phone is switched off.

To register a number to divert at first time,

From **Calls** menu

- 1 **Call Diverts** ● / ☐
- 2 the type of calls to divert ☐ (Options)
- 3 **Set** ● / ☐
- 4 (Options)
- 5 **Edit** ● / ☐ or **From Contacts** ● / ☐
- 6 Enter phone number to Divert or ☐ required contact from contact list ☐
- 7 (Options)
- 8 **Ok** ● / ☐



Request of Call divert will be send to network.

Entered phone number will be registered in the network. From next time, incoming calls will be diverted to the registered number.

- To cancel the registered phone number, ☐ **Cancel** on step 3.
- To confirm the status of Call diverts, ☐ **Status** on step 3.

NOTE: If a mailbox number is already registered in the phone, the mailbox number is shown as a default number to divert.

Settings



Calls





When the number to divert is already registered,

From **Calls** menu

- 1 **Call Diverts** /
- 2 the type of calls to divert
- 3

Request of Call divert will be send to network.

When a divert situation is enabled the divert icon () is displayed.

When updating or checking the status of **Call Diverts** the phone must be registered with a network. ()

Divert Types

Divert Type	Explanation
All calls	Divert all incoming voice calls
When busy	Divert incoming voice calls when a call is in progress
When no reply	Divert incoming voice calls if call is not answered
When unreachable	Divert incoming voice calls when phone is disconnected.
Cancel all	Cancel all Call Divert settings
Status all	Check the current Call Divert status of all connections

Settings



Calls



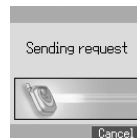
Call Waiting

If Call Waiting is switched on a second call can be received.

From **Calls** menu

- 1 **Call Waiting** /
- 2 After "**Call waiting deactivated**" or "**Call waiting activated**" is shown,
- 3 **Ok** /

NOTE: If you select **Activate** or **Deactivate** in the step 3, you can reset Call waiting.

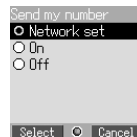


Send my number

It is possible to set whether or not to transmit your phone number to another phone (Caller ID).

From **Calls** menu

- 1 **Send my number** /
- 2 **Network set, On or Off** /

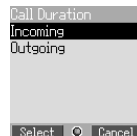


Call Duration

Displays the duration, if available, of incoming or outgoing calls. (⏱)

From **Calls** menu

- 1 **Call Duration** /
- 2 **Incoming or Outgoing** /
To reset counter, x 2



Settings



Calls



Service Charge

This function allows you to check the charges for your calls.

From **Calls** menu

⬇️ **Service Charge** ● / ☑️

The following can be set.

Menu Item	Explanation
Cost Left	Show how much cost is left
Call Meter	This is the total costs of calls made.
Price/Unit	This is the cost that the service Provider charges for one unit of call time.
Max Cost	Allows you to preset the maximum cost of calls made.

NOTE: The duration of one unit may vary during day, peak and off-peak times. Call charges can be calculated accordingly. However, the call charge information may not give an accurate reflection of the actual tariffs charged by your service provider.

Settings



Security



If either PIN/PIN2 is entered incorrectly 3 times the phone will be locked and you will need to enter the PUK/PUK2 code. If the PUK/PUK2 code is entered incorrectly 10 times, the phone will cease to operate permanently.

All information stored in the SIM will be lost and the SIM will need to be replaced. Contact your service provider for more information.

Security Settings

The PIN protects your SIM against unauthorised use. If you enable the PIN, every time the phone is switched on you will be prompted to enter the PIN.

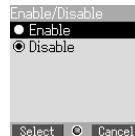
The PIN2 controls security for the Fixed dial Store.

PIN entry

Enabling/Disabling PIN Entry

From **Security** menu

- 1 **PIN entry** ● / □
- 2 **Enable/Disable** ● / □
- 3 **Enable or Disable** ● / □
- 4 When you select **Enable**, enter PIN code (4 ~ 8 digits) □



Change PIN

From **Security** menu

- 1 **PIN entry** ● / □
- 2 **Change PIN** ● / □
- 3 Enter the current code □
- 4 Enter the new code □
- 5 To verify the new code □

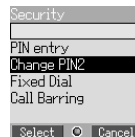
NOTE: You can change the PIN when PIN entry is set to **Enable**.



Change PIN2

From **Security** menu

- 1 **Change PIN2** ● / □
- 2 Enter the current code □
- 3 Enter the new code □
- 4 To verify the new code □



Settings



Security



Fixed Dial.....

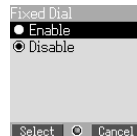
Fixed Dial is a part of Contacts, but with added security.

When Fixed Dial is enabled:

- > Only numbers that are in the Fixed Dial Store may be dialed.
- > Any manually dialled phone numbers must match a number already in the Fixed Dial Store.
- > A phone number may be stored, edited or deleted. You will be prompted for your PIN2 code.

From **Security** menu

- 1 **Fixed Dial** /
- 2 **Enable or Disable** /
- 3 When you select **Enable**, enter PIN2 code



Settings



Security



Call Barring

Call Barring restricts certain outgoing and/or incoming calls using a password supplied by your service provider. When updating/checking the status of Call Barring the phone must be registered with a network. Varying call restrictions can be used for voice calls.



From **Security** menu

- 1 **Call Barring** /
- 2 required setting from the table shown below / (When you select , enter password (4 digits))
- 3 **Set, Cancel or Status** /
- 4 When you select **Set** or **Cancel**, enter password (4 digits)

Settings	Exlanation
Bar outgoing calls	Outgoing calls are barred
Bar foreign calls	International outgoing calls are barred
Only local & home	International outgoing calls except home are barred
Bar incoming calls	Incoming calls are barred
Bar incoming if abroad	Roaming is barred
Cancel all	Cancel all call bar settings
Status all	Call bar status is displayed
Password	Change call bar password

Settings



Time and date



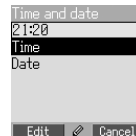
Time and date can be shown on the top of the display when in Idle mode.

Time and date

Setting Time and date

From **Time and date** menu

- 1 **Time** /
- 2 ~ to enter the time using 24 hour clock /
- 3 **Date** /
- 4 ~ to enter the date /



NOTE:

Some settings may be lost if the battery is removed or remains discharged for more than 2 hours.

Camera

Camera



Taking a Picture.....

The range from the camera is 30 cm - ∞.

From **Camera** menu

or to capture the image

To create MMS:

Select **Add picture**, see page 53.

To return to camera operation without storing the image: (After capturing the image)



To store the image in My Media:



The picture will be saved in **My Media / Pictures / Stored pictures**.

Adjust the brightness level.....

While view finder is active, you can adjust the brightness.

to increase the brightness

to decrease the brightness

Picture brightness indicators (min 5 Lux):



0+2 Brighter

0+1 †


0:0 Normal

0-1 †

0-2 Darker



You can take pictures with the built-in camera, send them in an MMS (multimedia message) or by IrDA and use them as Wallpaper. You can also attach a picture to a contact in your Contacts list.

Options in View FinderFor options list 

Option	When "Left Soft Key" is pressed
Twilight mode	Improve picture taken in low light conditions
Anti-flicker	Reduce flicker in view finder
Image size	Change image size (352×288 pixels, 160×120 pixels)

**Use and Save Pictures**

Once a picture has been taken it will be saved in My Media. To use a saved picture as your personal wallpaper or for Contacts, see "Setting Wallpaper" on page 33 and "Storing a Number in Your Phone" on page 74.

When My Media is full, pictures cannot be stored, until some are deleted first.

Incoming Calls during Camera Operation

If an incoming call etc, is received during camera operation, the phone will exit the camera mode and switch to the incoming call etc.

NOTE: The captured image will not be saved.

Self-portrait

The shutter button located on the side of the phone can be used to capture an image, for example, a self-portrait. You can activate the camera mode and take a picture by using the shutter button with your phone shut.

Viewing Pictures

Pictures taken by the camera are created as JPEG image files. JPEG is standardised image compression format. JPEG image files can be viewed with most general image viewers and editors as well as with an Internet browser.

NOTE: Do not leave the phone with the Camera facing direct sunlight to avoid impairing camera performance.

If the Camera is left in the preview mode or a captured picture is displayed the phone will automatically return to Idle mode after 3 minutes. If left in preview mode, but with the options menu displayed, the phone will remain in this state and will not return to Idle mode.

Text Entry (Edit)

You can use alphanumeric characters to enter details into Contacts, to create text, email messages, etc.

Key	Text Mode		
	T9® (T9↑, T9↑ or T9) (Input language: English)	Multi tap (Input mode indicator: Abc, ABC or abc)	Numeric (Input mode indicator: 0-9)
	Alternatives	. @ / - _ + 0	0/ (Hold)+
	Punctuation	.,?!"':;@/*()#+_=[]{}'¡ ¸ & % \ ^ ~ < > € £ \$ ¥ ¤ § Space / (Hold) Character list	1
	A B C (a b c)	A B C 2 Γ Ä Å Æ Ç (a b c 2 ä å æ à)	2
	D E F (d e f)	D E F 3 Δ É (d e f 3 é è)	3
	G H I (g h i)	G H I 4 Θ (g h i 4 I)	4
	J K L (j k l)	J K L 5 Λ (j k l 5)	5
	M N O (m n o)	M N O 6 Æ Ñ Ö Ø (m n o 6 ñ ö ø ò)	6
	P Q R S (p q r s)	P Q R S 7 Π Σ (p q r s 7 β)	7
	T U V (t u v)	T U V 8 Φ Û (t u v 8 ù ù)	8
	W X Y Z (w x y z)	W X Y Z 9 Ψ Ω (w x y z 9)	9
	Shift / Input mode	Shift / (Hold) Input mode change	* / (Hold) Input mode change
	Space / Line feed	Space * # / (Hold) Line Feed	# / (Hold) Line Feed
	Delete text / (Hold) Delete all characters		

NOTE: Displayed characters of T9® vary depending on the selected input language.

Shift mode

Shift mode change

The Shift mode changes by pressing (within 1 sec) *⌂.

Multi tap	Tegic
Abc -> ABC -> abc	T9 ↑ -> T9 ↓ -> T9

If Input mode is changed, Shift mode is initialised.

Auto capital change

Auto capital affects Abc and T9 ↑.

If Input mode is changed to Abc or T9 ↑, the first character is input as upper case and subsequent letters as lower case. (Input mode indicator changes to abc or T9.)

If these characters [. (Period) or ! or ?] are input, the next character is input as upper case. (Input mode indicator changes to Abc or T9 ↑.)

Input mode

Input mode change.....

Input mode changes by pressing and holding (over 1 sec) *⌂.




Input Mode
Multi tap -> Numerals -> T9
(Abc -> 0-9 -> T9 ↑)
(ABC -> 0-9 -> T9 ↑)
(abc -> 0-9 -> T9 ↑)

Keep Input mode

The phone keeps the selected input mode.







Text Input

T9®





Using this mode of text input dramatically reduces the number of key presses required: Press a key once for any letter you require on that key. The desired letter may not be displayed. Continue pressing other keys until the end of a word is reached; then check that the word has been typed correctly before continuing on to the next word. If the combination of letters typed has produced a word which is not the one you require, press ,  or  repeatedly until the correct word is displayed. Continue to the next word.

Example of Text Input in T9 Mode

To type a new message, follow these steps:

- 1 At the beginning of a new message press and hold  (CLEAR) to delete previous text, if necessary.
 - 2 Press  (SHIFT) to change letter case, if necessary.
 - 3 Press    .
- “Call” is displayed.

Note that the displayed words change as you type, always type to the end of the word before editing.

T9® Languages can be selected from T9 Input, in options  →  **Input language**  / 

If the word you require is not in the internal dictionary then it should be entered using the Multi tap (Abc) mode.

Other Text Modes

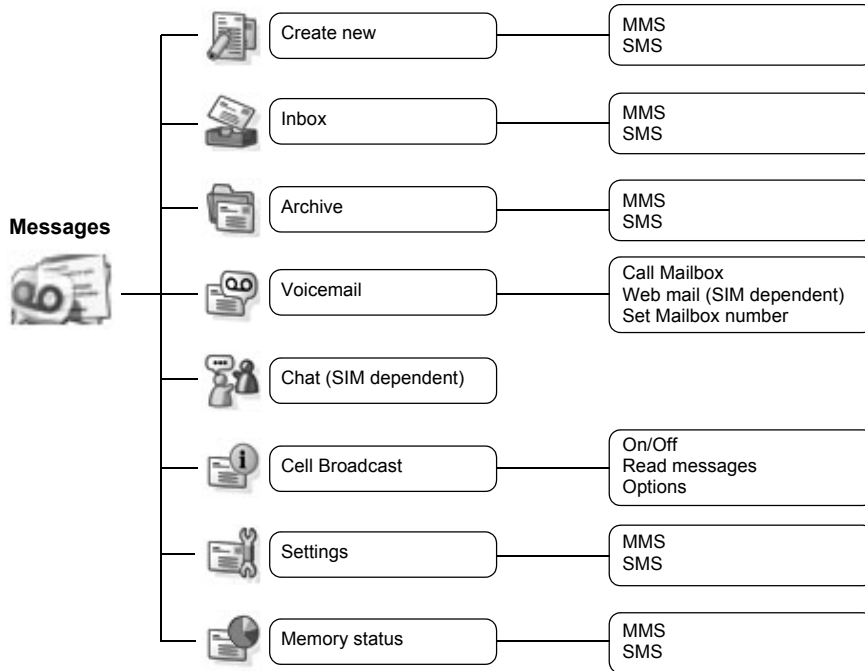
Select text mode (displayed in Information area on screen)

Multi tap mode (Abc, ABC or abc):

Each time a key is pressed in quick succession it displays the next character available on that key. Releasing the key or pressing another key enters the character displayed. The cursor moves to the next position.

In T9 (T9 ↑) or Multi tap (Abc) mode, the first entered letter in a sentence is in upper case.

Messages menu structure



Messages

Messages



This phone has various messaging features including SMS and MMS.

MMS (Multimedia Messaging Service)

Your phone is designed to be compatible with certain Multimedia Messaging Services (MMS). You can send pictures and music with text messages. The recipient can play it as a Slide show.

MMS messages can be sent to another mobile phone with MMS capability or to an email address.

When you receive an MMS message, a notice will inform you that you have received a message. (See page 57.)

An MMS profile may already have been set when you purchased your phone. To change the settings, see page 60.

You can directly access Messages from Idle Mode with the Left Soft Key (⏏).

Messages



Create new




Creating a New MMS



From **Create new** menu

1  **MMS**  / 

When creating a message, these selections are available.

Selection	Explanation
Add picture	Select a picture stored in Stored pictures / Download / Take new picture and insert it into the MMS message
Add text	Create text and add to MMS message
Add sound	Select sound stored in Stored sounds / Download / Record new sound and add to MMS message

2 After selecting a picture, text or sound, press  for the following options.

Option	When "Left Soft Key" is pressed
Edit text	Edit the text when selecting added text
Listen	Listen to the sound when selecting added sound
Send	Send MMS after entering the subject and recipient number or address
Remove picture/ text/sound	Remove from the MMS
Preview slide	Preview slide by pressing  / 

Messages



Create new



Creating a Slide

In order to send an MMS with more than one picture, text or sound, you need to add new slides to the MMS.

From **Create new** menu

- 1 **MMS** /
- 2 **Add picture, Add text or Add sound** / , then select a picture or sound, or enter a text
- 3 **Slides**

Slide option

Press to select option while Slides is highlighted.

Option	When "Left Soft Key" is pressed
Add new	Add slide
Send	Send MMS after entering the subject and recipient number or address
Slide duration	Specifies duration of slide
Remove slide	Remove slide from the MMS
Preview slide	Preview slide by pressing <input checked="" type="radio"/> /

Messages



Create new



Sending a Message

When a message is completed, press

- 1 **Send** /
- 2 **Add subject**
- 3 Enter subject
- 4 **Add recipient**
- 5 **From Contacts, Enter number or Enter address** /
- 6 appropriate entry
- 7 **Send**

Before sending a message, the following options are available.

Option	When "Left Soft Key" is pressed
Add subject / Add recipient	Add subject to MMS message / Add recipient to MMS message
Preview MMS	Preview MMS message
Save	Save MMS message to Drafts box
Create options	Set send options

Messages









Create new



Creating Options

Before sending a message, you can set send options.

When a message is completed, press .

- 1  **Send** / 
- 2  for the options
- 3  **Create options** / 

Option	When "Left Soft Key" is pressed
Request read	Ask if the other party read the message
Request delivery	Check if your message has been delivered to the other party
Validity Period	Duration for which your message is stored at the message centre. Delivery attempts will be repeated until the message has been delivered or Validity Period expires.
Priority	Set the priority to normal, low or high
Delivery time	Specifies delivery time of a message to be sent


Messages



Inbox






Receiving Messages

When you receive an MMS message, the message notification indicator () is displayed along with a tone, illumination, and/or vibration.

From **Inbox** menu

1  **MMS**  / 

2  required message 

Press  for the following options.

Option	When “Left Soft Key” is pressed
Receive	Receive new message
Reject	Delete message from the server and delete notification
Properties	Show message details (such as message size and date)

Messages



Inbox



Reading a Received Message

From **Inbox** menu

1 **MMS** /

2 required message

When viewing the list, the following options are available.

Option	When “Left Soft Key” is pressed
Reply	Create Reply Message
Reply to all	Create Reply Message to the sender and all recipients of the message
Forward	Forward MMS message
To contact	Store numbers in Contacts
Delete	Delete MMS message
Properties	Display properties of message

Messages



Archive



Viewing Message Lists

The following messages are stored in Archive.

- Outbox: When a message has been sent it is stored in the Outbox.
- Unsent: Undelivered messages are stored in Unsent.
- Drafts: Use to create a message draft.

[MMS Drafts: Messages that are saved in the MMS mode are saved in Drafts. If the transmission of an MMS message fails, the message is stored in Unsent together with other saved messages.]

From **Archive** menu

- 1 **MMS** /
- 2 required list /

In each list, some options are available.

For options

Options list

Outbox

Option	When "Left Soft Key" is pressed
Edit	Edit MMS messages
Forward	Forward MMS messages
Delete	Delete MMS messages
Properties	Display message properties

Unsent, Drafts

Option	When "Left Soft Key" is pressed
Edit	Edit MMS messages
Send	Send MMS messages
Delete	Delete MMS messages
Properties	Display message properties

Messages



Settings



Setting the MMS Message Server / Profile

MMS message server and profile setting must be done before you can send or receive an MMS message. Please check with your operator if additional settings are required. You can select one of five server URLs on the phone.

From **Settings** menu (Message server)

- 1 **MMS** /
- 2 **Advanced** /
- 3 **Message server** /
- 4 required message server
- 5 Enter address

From **Settings** menu (Profile)

- 1 **MMS** /
- 2 **Advanced** /
- 3 **Profile** /
- 4 select profile /

NOTE: -Before selecting MMS message server, you may have to set the profile if it is empty.
To set server profile, see page 92, Browser
-Options - Settings - WAP profiles
-Modifying previously entered settings can cause failure of the server setting.

Messages



Settings



Setting Options.....

The following settings are available.

From **Settings** menu



Option	Explanation
Reports	Set Request read (ask if the other party read the message) / Send read (inform the other party that you have read the message when asked) / Request delivery (ask if the other party received the message) / Send delivery (inform the other party that you have received the message when asked)
Priority	Set the priority to Low , Normal or High
Validity Period	Duration that your message is stored at the message centre. Delivery attempts will be repeated until the message has been delivered or Validity Period (1day , 7days or Maximum) expires.
Auto download	After receiving a message notification, the message will be sent to you automatically (Always on). Message set to be delivered automatically in home area (On when home). Message will be sent to you manually (Never).
Player mode	Auto mode enables MMS slides to be displayed according to their duration.
Advanced	Message server , Profile and Information can be set from here.

Messages



Create new






SMS (Short Message Service)

It is possible to receive, display, edit and/or send text messages to mobile phones on any network that has a roaming agreement. (Dependent on the recipient's phone parameters.)

The message centre number could be preprogrammed on the Operator SIM, changing this number (See page 66) may cause failure of a text message.

Creating a Text Message

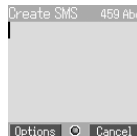
From **Create new** menu

- 1  **SMS**  / 
- 2 Create text message – max. 459 characters, see “Text Entry” on page 48.
- 3 Enter destination number.


To send a message, see page 63.

When creating text, these options are available.

Option	When “Left Soft Key” is pressed
Send	Send text as SMS
Send to many	Send text to more than one recipient
Templates	Access to text templates in My Media
Save	Save Message in Unsent box
Copy	Copy text
Cut	Cut text
Paste	Paste text
Input language	Select input language
Exit	Exit Create menu













Sending a Message

When you have created your message (see page 62), press 

- 1  **Send**  / 
- 2 Enter the destination phone number 

If you wish to select from Contacts

- 1  **Send**  / 
- 2 
- 3  **From Contacts**  / 
- 4  required contact 
- 5 

Messages



Inbox



Receiving Messages

When you receive an SMS message, the message icon is displayed along with an audible tone, illumination, and/or vibration.

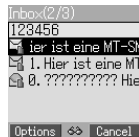
Reading a Received Message

From **Inbox** menu

- 1 SMS /
- 2 required message

When viewing messages, the following options are available.

Option	When "Left Soft Key" is pressed
Reply	Create reply message to sender
Forward	Forward SMS messages
Call	Call sender's number
Add to contacts	Store sender's number to Contacts
Use detail	Call or send messages to a phone number, email address or URL contained in the message. (This option is available only when you have messages)
Delete	Delete SMS message
Delete all	Delete all SMS messages (This option is available in the message list.)



NOTE: By pressing , detail information of SMS will be shown.

Messages



Archive



Viewing Message Lists

These message lists are stored in Archive.

- > **Outbox:** When a message has been sent, it is stored in the Outbox.
- > **Unsent:** If the transmission of an SMS message fails, the message is stored in Unsent together with other saved messages.
- > **Draft:** Use to create a message draft.

[SMS Drafts: Messages that are edited and saved in the SMS mode are saved in Drafts. If the transmission of an SMS message fails, the message is stored in Unsent together with other saved messages.]

From **Archive** menu

- 1 **SMS** /
- 2 required list /

In each list, some options are available.

For options

Options list

Outbox, Unsent

Option	When "Left Soft Key" is pressed
Send	Send text as SMS
Call	Call receiver's number
Use detail	Call or send messages to a phone number, email address or URL contained in the message (This option is available when viewing the message.)
Delete	Delete selected SMS message
Delete all	Delete all SMS messages (This option is available in the message list.)

Draft

Option	When "Left Soft Key" is pressed
Send	Send text as SMS
Send to many	Send text to many recipients
Templates	Access to text templates in My Media
Save	Save messages in Unsent
Copy	Copy text
Cut	Cut text
Paste	Paste text
Input language	Select input language
Exit	Exit Drafts menu

Messages



Settings



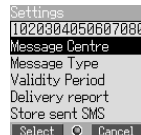
Setting the Message Centre number

The message centre number could be preprogrammed on the Operator SIM, changing this number may cause failure of a text message.

From **Settings** menu

- 1 **SMS** /
- 2 **Message Centre** /
- 3 Enter Message Centre number in international dial format (see "International Dialling" on page 16)

NOTE: When the Message Centre number has been pre-installed, please do not change the number.



Setting Options

From **Settings** menu

- SMS** /

The following options can be set.

Option	Explanation
Message Centre	Edit Message Centre number
Message Type	Select required message type
Validity Period	Select maximum or choose a time limit for sent messages
Delivery report	Request a delivery report on the status of a sent message
Store sent SMS	Store Messages to Sent SMS

Messages



Voicemail



It is a service that lets you stay up-to-date with all of your messages.

Voicemail

Voicemail is an innovative service that lets you stay up-to-date with all of your messages. You must subscribe to voicemail through your service provider before you can retrieve voicemail or email messages.

Listening to Voicemail Messages

From **Voicemail** menu

☎ **Call Mailbox** ● / ☎

Stored mailbox number is dialed and you can listen to voice messages.

Connecting to Internet Mail

From **Voicemail** menu

☎ **Web mail** ● / ☎

Your phone is connected to the Internet via a WAP connection to retrieve email messages.

Setting the Mailbox Number

From **Voicemail** menu

1 ☎ **Set Mailbox number** ☎ / ●

2 Enter the mailbox number (when necessary) ● / ☎ x 2

Messages



Chat



Chat


Chat lets you enjoy the fun of instant messaging wherever you are.

It's the fun way to chat on-line.

> More information on this service may be obtained by contacting your service provider.

Viewing Chat.....

From **Chat** menu

 Follow the screen contents

It allows you to read sent and received messages with another party on one screen.

Messages



Cell Broadcast



Cell Broadcast

You can receive messages on specified topics, such as traffic and weather information, from your network service operator.

Setting Cell Broadcast On/Off

From **Cell Broadcast** menu

- 1 **On/Off** /
- 2 **On or Off** /

Reading a Received Message

From **Cell Broadcast** menu

- 1 **Read messages** /
- 2 required message /

NOTE: This function will depend on your network service operator.

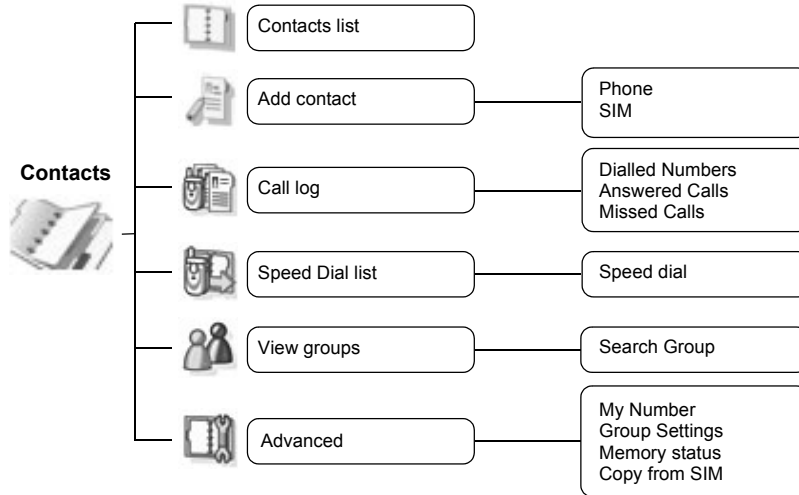
Options

You can add, edit and delete topics and languages.

From **Cell Broadcast** menu

- 1 **Options** /
- 2 **Topic or Language** /
- 3 required topic or language
- 4 **Add, Edit or Delete** /

Contacts menu structure



NOTE: When your phone is installed SIM compatible with SDN, **Service numbers** will be added in the Contacts menu.
 You can call a service number by selecting it from the list.

Contacts

Contacts



**Contacts
list**




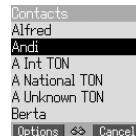
Browsing Contacts

You can search Contacts by name.

When browsing by name, pressing a letter key will take you to the first entry starting with that letter.

From **Contacts list** menu

 required contact



Contacts



Contacts list



Options in Contacts.....

From **Contacts list** menu

- 1 required contact
- 2 required option /

Option	When "Left Soft Key" or "Centre Soft Key" is pressed
Call	Call Contact
Send message	Send MMS/SMS from Contact
Edit	Edit Contact
Add contact	Add Contact to Contacts list
Copy to SIM/Phone	Copy Contact to SIM or Phone
Speed dial	Add to Speed Dial list
Delete	Delete Contact
Search	Search Contact by entering characters (max. 18 characters)
Send by Infrared	Send Contact to another device by Infrared

Contacts



Phone numbers can be stored in your SIM.



Add contact



Storing

Storing a Number in SIM

In the SIM, you can store: Name, Phone number.

The length of name and number and the total amount of data are dependent on your SIM.

From **Add contact** menu

- 1 **SIM** /
- 2 name icon ()
- 3 Enter the name
- 4 phone icon ()
- 5 Enter the phone number /
- 6



Options in SIM Contacts

When the name is being entered, the following options are available.

For Options list

Option	When "Left Soft Key" is pressed
Copy	Copy letters into buffer
Cut	Cut letters
Paste	Paste letters from buffer
Input language	Select input language
Exit	Exit current function

Contacts



Phone numbers can be stored in your phone.









Add contact

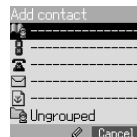


Storing a Number in Your Phone

In the phone, you can store: Name, Phone No. 1, Phone No. 2, email Address, Picture and Group.

From **Add contact** menu

- 1 **Phone** /
- 2 name icon ()
- 3 Enter the name
- 4 phone icon ()
- 5 Enter the phone number /
- 6 telephone icon ()
- 7 Enter the telephone number /
- 8 email icon ()
- 9 Enter email address
- 10 picture icon ()
- 11 required picture from My Media or preinstalled pictures /
- 12 group icon ()
- 13 required group /
- 14



Options in Phone Contacts

When the name and email address are being entered, the same options as SIM Contacts are available.

For options list (see page 73)

Contacts



Call log



Call log

Recently dialled phone numbers, answered calls and missed calls are stored in the Call log. It is possible to call, send message, add to Contacts, delete and delete all from stored numbers.

Viewing Call log.....

From **Call log** menu

- 1 **Dialled Numbers, Answered Calls or Missed Calls**
- 2 required phone number ●

Dialling from Call log.....

From **Call log** menu

- 1 **Dialled Numbers, Answered Calls or Missed Calls**
- 2 required phone number ●
- 3 ● / to call

Sending Messages.....

From **Call log** menu

- 1 **Dialled Numbers, Answered Calls or Missed Calls**
- 2 required phone number ●
- 3
- 4 **Send message** ● /
- 5 **Send MMS or Send SMS** ● /
- 6 Enter a message

For details on creating a message, see “Creating a New MMS” on page 53 or “Creating a Text Message” on page 62.

Contacts



Call log



Saving a Phone Number from Call log into the Contacts list

From **Call log** menu

- 1 **Dialled Numbers, Answered Calls or Missed Calls**
- 2 required phone number
- 3
- 4 **Add to contacts** /
- 5 **Phone or SIM** /
- 6 required icon
- 7 Enter as appropriate
(If required, repeat steps 6 and 7)
- 8

Options in Call log

In each Call log list, the following options are available.

For options

Option	When "Left Soft Key" is pressed
Call	Call selected number
Send message	Send MMS/SMS message to selected number
Add to contacts	Store number to Contacts
Delete	Delete selected log
Delete all	Delete all logs in the list (This option is available in the Call log list.)

Contacts



Speed Dial list



Speed Dial

Phone numbers from the Speed dial of Contacts can be dialled quickly.

In Idle Mode, press and hold a number key (2 ~ 9).

Setting Speed Dial.....

From **Speed Dial list** menu

- 1 required list
When you select a phone number from Contacts, press instead of .
- 2 Enter phone number /



Viewing Stored Numbers

In Idle Mode, press and hold a number key (2 ~ 9).

Making a Call by Using Speed Dial.....

From Idle display

- 1 Press and hold a number key (2 ~ 9)
- 2 required list

Contacts



View groups



Grouping Contacts Entries

The ability to group Contacts entries together is an extra function of Phone Contacts. Groups are used to collect together types of Contacts entries, e.g. business and personal. Each group can be suitably titled for quick access to the entries contained within. You can attach a particular sound to the groups to identify them. (See "Group settings" on page 81.)

Viewing groups

From **View groups** menu

required group /

For options list

Option	When "Left Soft Key" or "Centre Soft Key" is pressed
Call	Call Contact
Send message	Send MMS/SMS from Contact
Edit	Edit Contact
Add contact	Create Contact in Phone Contacts or SIM Contacts
Copy to SIM	Copy Contact to SIM
Speed dial	Add to Speed Dial list
Delete	Delete Contact
Search	Search Contact by entering characters (max. 18 characters)
Send by Infrared	Send Contact to another device by Infrared

Contacts



Advanced



My Number

My Number is a contact where you can store your own numbers.

Adding Numbers

From **Advanced** menu

- 1 **My Number** /
- 2 **Mobile Profile** or **SIM Profile** /
- 3 When My number is empty, press / then go to step 5
When My number is already stored in SIM profile, press
- 4 **Create** /
- 5 name icon
- 6 Enter the name
- 7 phone number icon
- 8 Enter the phone number /
- 9

If you select **Mobile Profile**, you can also select information such as additional number, email address and picture.

Contacts



Advanced



Viewing Stored Numbers.....

From **Advanced** menu

- 1 **My Number** /
- 2 **Mobile Profile or SIM Profile** /

Options in My Number

When viewing My Number the following options are available.

Mobile Profile (View Display)

Option	When "Left Soft Key" is pressed
Edit	Transit to "Edit" screen
Delete	Delete profile
Send by Infrared	Send profile by Infrared

SIM Profile (View Display and List Display)

Option	When "Left Soft Key" or "Centre Soft Key" is pressed
Edit	Transit to "Edit" screen
Create	Transit to "Create" screen
Delete	Delete profile
Send by Infrared	Send profile by Infrared

Contacts



Advanced



Group Settings

You can change the group name and attach a sound to a group.

Changing Group Names

From **Advanced** menu

- 1 **Group Settings** /
- 2 required group
- 3 Press and hold to remove the current name
- 4 Enter new group name

Attaching a Sound to a Group

From **Advanced** menu

- 1 **Group Settings** /
- 2 required group
- 3 **Sound Type** /
- 4 **<Default>, Preinstalled, My Media or Download** /
- 5 required sound type /

Contacts



Advanced



Memory status

Memory status shows how many locations are available in the contacts.

From **Advanced** menu

Memory status /

Copy from SIM

It is possible to copy SIM Contacts to Phone Contacts.

From **Advanced** menu

Copy from SIM x 2 / x 2

Browser

Browser



The phone's WAP (Wireless Application Protocol) Browser enables you to access Internet services supported by the network, such as news, weather reports, sport etc.

Server Setting

Before Internet services can be accessed, you need to subscribe to your network operator or Internet Service Provider (ISP) to enable the relevant configuration information. Please contact your network service provider to ensure that your network settings are correct.

NOTE: Modifying previously entered settings can cause failure of the Browser.

From **Browser** menu

- 1
- 2 **Settings** /
- 3 **WAP profiles** /

Five server settings can be set up in the phone. If you find your server's name under WAP profiles, select the server and press (Options) then select **Edit** and press or . If no settings are present contact your Network Service Provider for these settings. [Profile name, Homepage, Gateway, Port, Data connections (GPRS and CSD setting)]

NOTE: You need to set GPRS and CSD Setting in Settings>Data connections menu before setting the server information.

Those configuration Options will be given by Network service provider.

Once completing the entry, press (Save) then press or select **Activate** after (Options) is pressed.

The first time that the browser is activated there will be no content stored so the Home URL content will be displayed (as defined by the network operator). The Home URL will be recalled from the cache, each time the browser is activated. (Cache is the phone's memory that stores content downloaded in the past.)





Browser




Viewing the Contents

From **Browser** menu

 required list 

In each list, these options are available (see page 85).

For options 



Browser



Browser Options.....

From **Browser** menu

- 1 (Options)
- 2 select from below options /

Option	When "Left Soft Key" is pressed	
Select	Select item	
Bookmarks	Go to bookmark list	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> Go to page Add bookmark Edit Delete </div>
Enter address	Go to URL entry	
Save image	The image in contents is saved in "My Media"	
Set as bookmark	The displayed URL will be saved in Bookmarks	
Reload page	Reload this page	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> Home Clear cache Service Inbox View address WAP information </div>
Advanced	Go to home page, clear the cache, Service Inbox, view URL or view WAP information	
Settings	Edit profiles/Push access, view security information	<div style="border: 1px solid black; border-radius: 10px; padding: 5px;"> WAP profiles Push access Security </div>
Exit browser	Terminate the browser	

Browser



Browser Options (Bookmarks).....

From **Browser** menu or **Content**

- 1 (Options)
- 2 **Bookmarks** /
- 3 required bookmarks
- 4 to load the URL
 to select options

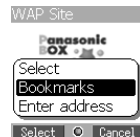
Options:

Go to page.....Jump to the URL page
 Add bookmarkAdd to bookmarks
 EditEdit bookmark
 Delete Delete bookmark

From embedded



From content



Browser Options (Enter address).....

The URL can be displayed by entering the address.

From **Browser** menu or **Content**

- 1 (Options)
- 2 **Enter address** /
- 3 Enter URL





Browser



Browser Options (Save image).....

Displayed images can be saved in My Media.

From **Content**




- 1  (Options)
- 2  **Save image** / 
- 3  to see whole image
- 4 /  to save



Browser Options (Set as bookmark).....

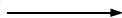
Favourite URLs can be saved in bookmarks.

From **Content**

- 1  (Options)
- 2  **Set as bookmark** / 
- 3 Enter title to save






Browser



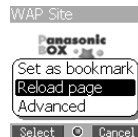
Browser Options (Reload page).....

Current Page can be reloaded.

From **Content**

- 1  (Options)
- 2  **Reload page** / 

The page is reloaded.



Browser



Browser Options (Advanced)

From **Browser** menu or **Content**

- 1 (Options)
- 2 **Advanced** /

Browser Options (Advanced - Home)

Phone jumps to the set-up Homepage.

From **Advanced** menu

- 1 **Home**
- 2 / to jump to home page

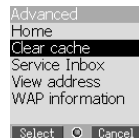


Browser Options (Advanced - Clear cache)

Cache is cleared.

From **Advanced** menu

- 1 **Clear cache** /
- 2 /







Browser



Browser Options (Advanced)






From **Browser** menu or **Content**

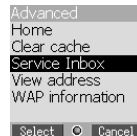
- 1  (Options)
- 2  **Advanced**  / 

Browser Options (Advanced - Service Inbox)

View WAP message and go to URL.

From **Advanced** menu

- 1  **Service Inbox**  / 
- 2  to load the URL
-  to select option



Options:

Go to page.....Jump to the URL page
View message View message
DeleteDelete message

Browser



Browser Options (Advanced)

From **Browser** menu or **Content**

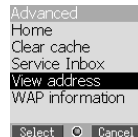
- 1 (Options)
- 2 **Advanced** /

Browser Options (Advanced - View address)

View URL of the contents.

From **Advanced** menu

- 1 **View address** /

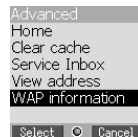


Browser Options (Advanced - WAP information)

View WAP information.

From **Advanced** menu

- 1 **WAP information** /







Browser



Browser Options (Settings)







From **Browser** menu or **Content**

- 1  (Options)
- 2  **Settings**  / 

Browser Options (Settings - WAP profiles)

WAP browser is set up.


From **Settings** menu

- 1  **WAP profiles**  / 
- 2  required profile
- 3  to activate
 to select options

Browser Options (Settings - Push access)

Push access is set up.

From **Settings** menu

- 1  **Push access**  / 
- 2  **On or Off**  / 

Browser Options (Settings - Security)

View security information.

From **Settings** menu

- 1  **Security**  / 
- 2  **Certificates, Current certificate or Session info**  / 

Games

Games



Games



Selecting Games

Five games are pre-installed: **Mobile Golf**, **Ninja Action**, **Slotz**, **Square** and **Truck**.

From **Games** menu

required game you wish to play /

Mobile Golf.....

This game is a golf game. Compete against your score on all 18 holes.

Key Operation

to determine the direction, then to go to the shot screen.

On the shot screen,

to select the club to be used, once to start the shot and again to determine the strength of the shot. Finally, while matching the timing to execute the shot.

Ninja Action.....

This game is an action puzzle game. The purpose of this game is to turn over the randomly arranged tatami mats so that they are all face up (green) within a specified time limit.

Key Operation

or , , and to move the character.

or to trun over four tatami mats above/below or on the left/right of the character.

Games



Slotz.....

This game is a slot machine game. If the figures are aligned correctly, collect your bet.

Key Operation

- to enter the bet, ● again to start the drum turning.
- or (4 ghi), (5 jkl), (6 mno) to stop the drum.

Square.....

This game is an action puzzle game. The purpose of this game is to clear blocks to score points. A group of outlined blocks fall from above. Build up the blocks to form a line. When a line is completed, the blocks forming the line are cleared.

Key Operation

- ⬆ or (2 abc), (4 ghi), (6 mno) and (8 tuv) to move the blocks.
- or (5 jkl) to rotate the blocks.


Games





Truck

This game is an action puzzle game. The purpose of this game is to guide the truck from the starting point to the goal within a specified time limit. The player moves the tiles on the screen to connect the rails to complete a track.

Key Operation

 to move the tile to the open space in each direction.

When you collect an item (spring or stopwatch) on a tile, the item becomes available and can be used by the  and . (The spring enables you to jump skipping one tile. The stopwatch enables you to temporarily stop the truck for a limited time.)

Games





Settings



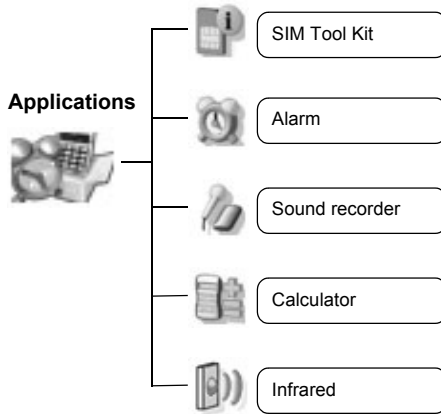
Settings


Game settings, such as volume and backlight etc, can be changed.
From **Settings** menu

 required setting ● / 

Settings	Explanation
Sound volume	Volume setting for game applications
Backlight	ON/OFF setting of Backlight in game applications
Reset	Reset the game application settings
Information	Display of copyright information

Applications menu structure



NOTE: SIM Tool Kit is SIM dependent () . The menu name will be changed.

Applications

Applications



SIM

Tool KIT →



Alarm



When the set time is reached, the alarm will sound and the display will light with an alarm message.

STK.....

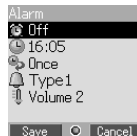
This function is SIM dependent (☐). This menu name will be changed.

Alarm

Setting the Alarm.....

From **Alarm** menu

- 1 alarm icon (🔔) ●, ●, ● **On** ● / ☐
- 2 clock icon (🕒) ●, enter the required time (24 hour clock) ● / ☐
- 3 alarm repetition icon (🔔) ●, ●, ● **Once, Everyday, Weekdays or Weekend** ● / ☐
- 4 sound set-up icon (🔔) ●, ●, ● **Preinstalled, My Media or Download** ● / ☐, ● required ring type ● / ☐ (When you select **My Media**, ● (🔊) to select required ring type.)
- 5 volume icon (🔊) ●, ●, ● adjust the volume ● / ☐
- 6 ☐ to save settings



When the alarm has been set, an alarm icon (🔔) will be displayed when the phone is in Idle mode.

The alarm is activated based on the current clock.

Applications



Alarm



Muting the Alarm.....

To end the alarm:

- 1 Press any key or
- 2 /

Disabling the alarm:

From **Alarm** menu

- 1 alarm icon ()
- 2 **Off** /
- 3

Adjusting the Alarm Time.....

From **Alarm** menu

- 1 clock icon ()
- 2 Enter the required time /
- 3

If you wish to change other settings, see “Setting the Alarm” on page 98.

Snooze Function.....

Snooze Function lets the alarm repeat 5 times if you do not press / after stopping the alarm.

To stop Snooze Function:

<Phone on>

Press (Ok) when “Would you like to stop snooze?” appears in the display.

If you press , the alarm will repeat 5 more times at 5 minutes intervals until “End of Alarm” is displayed.

<Phone off>

The alarm starts at the time you set.

Press (Ok) when “Would you like to stop snooze?” appears in the display.

If you press , the alarm will repeat 5 more times at 5 minutes intervals until “End of Alarm” is displayed.

Applications



Sound recorder



Sound recorder

You can record sounds or your voice in My Media. The sounds you record can be attached to MMS.

When My Media is full, sounds can not be recorded until a previous recording is first deleted.

To record new sound:

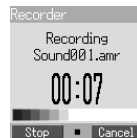
From **Sound recorder** menu

- 1 / to start recording
- 2 / to stop recording (The max. recording time is 15 seconds)
- 3
- 4 **Save** /

If you select **Send MMS**, you can access the MMS menu.

To play a sound:

- after step 2
- To stop playback, /



Calculator

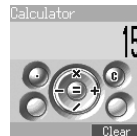


Calculator

The four function calculator enables the user to perform simple arithmetic calculations (addition, subtraction, multiplication and division).

From **Calculator** menu

- 1 Enter a number (maximum 10 digits) and it will be shown on the display
If a decimal point is required, press
- 2 To select arithmetic operation
(to multiply, to add, to divide, to subtract)
- 3 Enter a number (maximum 10 digits) and it will be displayed
- 4 to calculate the result



Applications



Infrared



Infrared

By using the infrared connection with another X66 or with other devices with an infrared port, you can transfer data between the devices.

Preparing for Infrared Connection

- Place the X66 and another device with an infrared port within the effective infrared connection range of each other.
- There must be no obstruction between the two communicating devices.
- The infrared ports of both devices must point at each other.
- If you use a PC, you need to set up an infrared connection on the PC.
(Example: **Start > Settings > Control Panel > Infrared > Options tab > Enable Infrared Communication**)

Sending Data

The types of data you can send are: Contacts, Pictures and Sounds in My Media. Ensure that the infrared ports of your X66 and the second phone or device are pointing at each other with no obstructions in between.

NOTE: Some download files may be protected due to copyright laws. These files can not be sent.

Applications



Infrared



If you try to send data that cannot be forwarded or saved, an error message will be displayed.

Setting Infrared.....

You need to activate infrared before receiving data.

From **Infrared** menu

to activate

Sending Pictures and Sounds.....

From Idle display

- 1
- 2 **My Media** /
- 3 **Pictures or Sounds** /
- 4 required item /
- 5 select data to send
- 6 **Send by Infrared** /



Applications



Infrared



Sending Contacts.....

From Idle display

- 1 ●
- 2 **Contacts** ● /
- 3 **Contacts list** ● /
- 4 select contact to send
- 5 **Send by Infrared** ● /



Receiving Data via Infrared Port.....

You need to activate infrared before receiving data.

Data received message is displayed then sent data is displayed.

- / to save the data
- to cancel


Calendar

Calendar



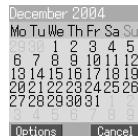
Viewing Calendar.....

From **Calendar** menu

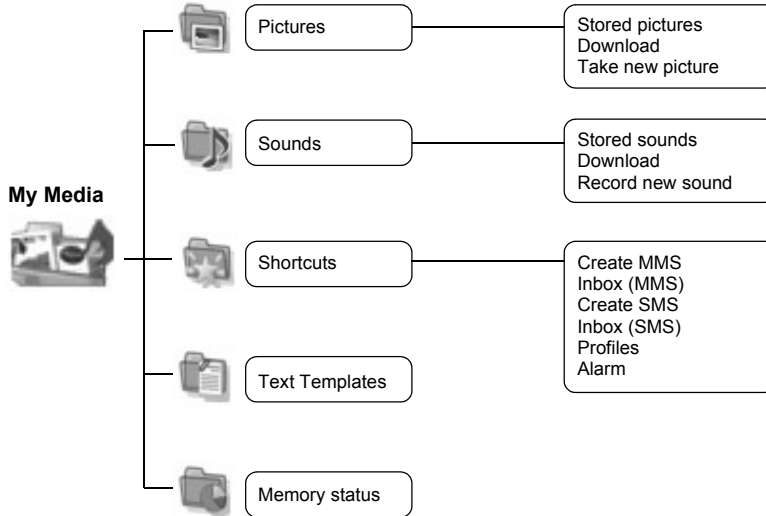
 will display recent and future calendars

For options list 

Option	When "Left Soft Key" is pressed
Go to date	Jump to the required date
Week starts on	With the calendar, it is possible to select which day the week starts on



My Media menu structure



My Media

My Media



The data saved in the X66 is located in My Media. There are four pre-defined folders (Pictures, Sounds, Shortcuts, Text Templates). The maximum capacity of the Data Folders is approx. 1 MB.



Pictures



Pictures (My Media > Pictures)

Pictures taken by the camera or images downloaded from the Internet can be managed.

Viewing Picture / Image.....

From **Pictures** menu

- 1 **Stored pictures** /
- 2 required picture

Downloading Picture / Image File.....

From **Pictures** menu

- 1 **Download** /
- 2 The picture / image file download site will be displayed

Taking a Picture.....

From **Pictures** menu

- 1 **Take new picture** /
- 2 The phone switches to the camera mode (see page 45)

My Media




Pictures



Picture Options

When the picture is selected the following options are available.

For options list 

Option	When "Left Soft Key" is pressed
Send MMS	Attach pictures to MMS Messages (see "MMS Message")
Send by Infrared	Send pictures to another device by Infrared
As wallpaper	Use pictures as Wallpaper
Add to contacts	Add pictures to Contact
Rename	Rename pictures
Delete	Delete pictures
Properties	Show File Name, Size, Date and Forward Lock status

My Media



Sounds



Sounds (My Media > Sounds)

Downloaded sounds and Recorded sounds are stored in Stored sounds.

Checking Sounds.....

From **Sounds** menu

- 1 **Stored sounds** /
- 2 required sound

Downloading Sounds

From **Sounds** menu

- 1 **Download** /
- 2 The sound file download site is displayed

Recording New Sound.....

From **Sounds** menu

- 1 **Record new sound** /
- 2 The phone switches to Sound recorder mode (see page 100)

Options in Sound File (Stored Sounds).....

When a sound is selected the following options are available.

For options list

Option	When "Left Soft Key" is pressed
Send MMS	Attach sound files to MMS Messages (see "MMS Messages")
Send by Infrared	Send sound files to another device by Infrared
Set alert tone	Use to set Incoming Tone, Message Tone and Group Tone. (You can not set AMR file to Incoming Tone)
Rename	Rename sound files
Delete	Delete sound files
Properties	Show File Name, Size, Date and Forward Lock status



My Media



Shortcuts




Shortcuts

You can create shortcuts you wish to use in My Media.

Viewing Shortcuts.....

From **Shortcuts** menu

 required content


In shortcuts menu the following options are available.

Option	When "Left Soft Key" is pressed
Edit	Overwrite the present Shortcut with a new one
Move	Move Shortcut to another place in the list
Add	Store new Shortcut
Delete	Delete Shortcut

Access to Shortcuts:

From Idle display

1 

2  required shortcut

My Media



Text Templates



Text Templates

When creating a text message it is possible to use templates stored in the phone. You can save frequently used text as templates.

Editing the Text Templates

From **Text Templates** menu

required template (The display will turn back to Editing display)

For options list

Option	When "Left Soft Key" is pressed
New	Add words to new Template
Send message	Send Template to MMS or SMS
Edit	Edit Template
Delete	Delete Template
Properties	Show Size and Date



My Media



Memory status



Memory status

You can see how much data is stored in the individual folders in My Media.

NOTE: The memory in “My Media” is separate from the MMS storage and Java storage.

Personal WAP / MMS Settings


Use the table below to record your GSM/GPRS WAP/MMS settings.

Item	Provisioning Information Setting No. 1	Provisioning Information Setting No. 2	Provisioning Information Setting No. 3	Provisioning Information Setting No. 4	Provisioning Information Setting No. 5
Profile name					
Homepage					
Gateway					
Port (Non Secure / Secure)					
Data connections					
CSD					
Profile name					
Account					
Password					
Call type					
Phone number					
Idle timer					
GPRS					
Profile name					
Account					
Password					
APN name					
Auth type Normal / Secured / None (PAP) (CHAP)					
Message server					

Troubleshooting

Should any problem persist contact your dealer.

Problem	Cause	Remedy
Phone will not switch on.	_____	Check that the battery is fully charged and correctly connected to the phone.
Extremely short battery life for a new battery.	The network you are using and the condition of the battery can affect battery life.	_____
Short battery life for an old battery.	The battery has worn out.	Replace with a new fully charged battery.
The charging indicator does not light, the battery level indicator does not appear and the phone cannot be switched on when charging.	The battery is not attached to the phone or when the battery has been deeply discharged the phone will take a short time until the indicator lights.	Leave the phone charging the battery for a few minutes before the indicator is lit and attempting to switch it on.
Battery fails to charge.	The battery is not attached to the phone.	Ensure the battery is fitted to the phone prior to commencing charging.
	Battery has been connected to the phone after the Fast Travel Charger has been switched on.	
Calls cannot be made.	The phone is locked.	Unlock the phone.
	Outgoing calls are barred.	Disable the outgoing call barring or barred dial.
	The phone is not registered to a network.	Move to a coverage area and operate your phone after it has registered with a network.

Problem	Cause	Remedy
Calls cannot be made from Fixed Dial Store.	_____	Check whether your SIM supports Fixed Dial Check if the Fixed Dial is switched on Check whether the phone number is stored in the Fixed Dial.
Calls cannot be received.	The phone is not switched on.	Switch the phone on.
	Incoming calls are barred.	Disable the incoming call barring.
	The phone is not registered to a network.	Move to a coverage area and operate your phone after it has registered with a network.
Emergency calls cannot be made.	You are not in a GSM coverage area.	Check that the antenna symbol  is displayed – move to a coverage area and operate your phone when the antenna symbol is displayed.
Phone numbers cannot be recalled from Contacts.	The phone is locked.	Unlock the phone.
	Phone number has been restricted.	Switch off restriction.

Important Error Messages

These are some of the most important error messages which may be displayed:

Failed	Roaming in the selected area is not allowed.
	Roaming with the selected network is not allowed.
	The network has detected an authentication failure because your SIM is not registered with that network – contact your service provider.
SIM blocked	The SIM is blocked because one of the PIN/PIN2 unblocking keys (PUK/PUK2) has been entered incorrectly ten times – contact your service provider.
Insert SIM	The phone has detected a problem with the SIM – switch the phone off and then back on; if the message is still displayed contact your service provider.
Invalid SIM	The SIM has failed one or more of the SIM personalisation checks – contact your service provider.
Function unavailable	The selected feature is either not supported by the SIM or is not available with the current subscription – contact your service provider.
PIN2 invalidated	The PIN2 is blocked permanently because the wrong PUK2 has been entered ten times, services controlled by PIN2 cannot be used – contact your service provider.
Message rejected. Storage full or Message rejected. SIM full	A message has been received but the message store is full – to receive messages, delete some of the currently stored messages.
Too many characters! Max: xx char.	The edited or newly created Contact number is too long for the SIM.

This message may not be stored	The message area is full. Your messages cannot be stored until some of the currently stored messages are deleted.
Verification failure	On changing the phone lock code, verification of the new code is incorrect – retry changing the lock code with correct verification.
Incorrect Code	Disabling or enabling the lock code has failed due to incorrect entry of the lock code – re-enter lock code.
Wrong entry	The entered code is incorrect – re-enter code correctly.
Auto redial list full	Redial list of unsuccessfully dialled numbers is full – switch the phone off and then on again.

Glossary of Terms

APN	Access Point Name. Directs the user to the gateway or the required service.
Cut	Permanently removes selected text from a short text message.
Copy	Copies selected text from a short text message without removing it from the original message.
CHAP	Challenge Handshake Authentication Protocol. A security feature in the GPRS network.
CSD	Circuit Switched Data. A communication method used to transmit data over telephone connections.
DTMF Tones	Dual Tone Multi-Frequency tones allow you to communicate with computerised phone systems, voice mailboxes, etc.
GPRS	General Packet Radio Service. The technology this phone uses.
GSM	Global System for Mobile communications. The name given to the advanced digital technology that your phone uses.
MMS	Multimedia Messaging Service. An advanced mail system used for cellular phones. This service allows sending/receiving text messages and attaching pictures, animation and sound to the same.
Network Operator	The organization responsible for operating a GSM network.
PAP	Password Authentication Protocol. A security feature in the GPRS network.
Password	Used for the control of Call Barring. Supplied by your service provider.
PIN	Personal Identification Number used for SIM security. Supplied by your service provider. If the PIN is entered incorrectly 3 times, the PIN will be blocked.

PIN2	Personal Identification Number used for the control of Fixed Dial Store and Call Charge metering. Supplied by your service provider. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked.
PUK/PUK2	PIN/PIN2 Unblocking Key. Used to unblock the PIN/PIN2. Supplied by your service provider. If the PUK/PUK2 is entered incorrectly 10 times, the PUK/PUK2 will be blocked.
Registration	The act of locking on to a GSM network. This is usually performed automatically by your phone.
Roaming	The ability to use your phone on networks other than your Home network.
Service Provider	The organization responsible for providing access to the GSM network.
SIM	Subscriber Identity Module. A small smart-card which stores unique subscriber and user-entered information such as Contacts and Short Messages. Supplied by your service provider.
SMS	Short Message Service. A basic mail system used for cellular phones. This service allows sending/receiving short text messages.
WAP	Wireless Application Protocol. The communication standard which enables you to download resources from the Internet to your phone.
URL	Uniform Resource Locator. The URL is an alphanumeric address that points to home pages and other Internet locations.

Specifications


Bands Supported	GSM900 Class 4 GSM1800 Class 1 GSM1900 Class 1
Talk Time	1.5 hrs. - 5 hrs. (90 min. - 300 min.)
Standby Time	75 hrs. - 240 hrs.

NOTE: Talk and Standby time depend on network conditions, SIM usage and battery condition.

Temperature Range	
Charging	+5 °C – +35 °C
Storage	-20 °C – +60 °C
Volume	Approx. 73 cc
Weight	Approx. 85 g
Dimensions	
Height	75.5 mm
Width	44.5 mm
Depth	27.3 mm
Supply Voltage	3.7 V (680 mAh Li-ion)
Antenna	External
Charge Time	Up to 120 min.

NOTE: Charging time depends on usage and battery condition.

SIM Type	3 V only
Contacts Size	300 entries + SIM
Sound Recorder	Each max. record size 15 seconds (Varies depending on My Media)
Games (Pre-Installed Games)	5
Backlight Colours	1 (White)
Ring Tones	10 Fixed; (Varies depending on My Media)
Alarm	1
Graphics Formats Supported	GIF87a, GIF89a JPEG, WBMP, PNG
Memory Storage	
My Media	1 MB
MMS	700 KB
Camera range	30 cm - ∞

NOTE: When switching the phone off, use only  to avoid damaging the phone.

Accessories

Li-Ion Battery (EB-BSX60)



Double your talk time by having a spare battery.

Personal Handsfree (EB-EMD87)



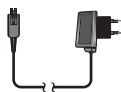
Talk and move while keeping your hands free by using this accessory. Just place the earpiece in your ear and the adaptor in the bottom of the handset – and talk

Car Charger (EB-CDX70)



Top up your battery in your vehicle by attaching this accessory to your phone and to the cigarette lighter socket.

Fast Travel Charger (CAX70EU)



Carry a lightweight portable charger wherever you go to ensure you always have power to talk.

How to Identify a *Genuine* Panasonic Accessory

Panasonic produces some of the most advanced mobile phones available. So, as you'd expect from this class leader, the range of accessories are second to none. Most genuine Panasonic accessories will have a label showing an "EB-XXX00" model number.

Licensing

CP8 Patent

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Teleca Application

WAP: "Browser RA 2.1"
MMS: "MMS Application, Version (TBD)"
JAM (under KVM Statement): "JAM, Version (TBD)"



e-enabler™

e-enabler(eVMPP) is the trademark of eValley, Inc.



Notes

Notes

Index

A	Accessories	120	C	Calculator	100
	Activate Quiet Mode	18		Calendar	104
	Activating a Profile	27		Call Barring	43
	Adding Numbers	79		Call Diverts	37
	Adjusting the Alarm Time	99		Call Duration	39
	Alarm	98		Call log	23, 75
	Answering Calls	17		Call Settings	37
	Applications	98		Call Waiting	39
	Applications menu structure	97		Camera	45
	Archive (MMS)	59		Car Charger	120
	Archive (SMS)	65		Care and Maintenance	3
	Asterisk Key	8		Cell Broadcast	69
	Attaching a Sound to a Group	81		Change PIN	41
	Attaching and Removing the Battery	4		Change PIN2	41
	Auto capital change	49		Changing Group Names	81
B	Backlight time	33		Changing Incoming Tone	30
	Battery	4		Changing Message Tone	30
	Battery Level Indicator	5		Changing the Language	34
	Bookmarks	86		Changing the Ring Tone	30
	Browser	83		Changing to a New Network	35
	Browser Options	85		Charging the Battery	5
	Browser Options (Advanced - Clear cache)	89		Chat	68
	Browser Options (Advanced - Home)	89		Checking Sounds	108
	Browser Options (Advanced - Service Inbox)	90		Colour Theme	33
	Browser Options (Advanced - View address)	91		Connecting and disconnecting the Fast Travel Charger	5
	Browser Options (Advanced - WAP information)	91		Connecting to Internet Mail	67
	Browser Options (Advanced)	89		Contacts	71
	Browser Options (Bookmarks)	86		Contacts Dialling	15
	Browser Options (Enter address)	86		Contacts menu structure	70
	Browser Options (Reload page)	88		Contents	i
	Browser Options (Save image)	87		Contrast	33
	Browser Options (Set as bookmark)	87		Copy from SIM	82
	Browser Options (Settings - Push access)	92		Creating a New MMS	53
	Browser Options (Settings - Security)	92		Creating a Slide	54
	Browser Options (Settings - WAP profiles)	92		Creating a Text Message	62
	Browser Options (Settings)	92		Creating Options (MMS)	56
	Browsing Contacts	71			

D	Data connections.....	34	K	Keep Input mode.....	49
	Desktop Handsfree.....	19		Key Tone.....	29, 31
	Dialling from Call log.....	75		Key Volume.....	29, 31
	Display.....	9		Keys.....	7
	Display Setting.....	33		Keys & Displays.....	6
	Displaying Menu.....	14	L	Language.....	34
	Downloading Picture / Image File.....	106		Left Soft Key.....	7
	Downloading Sounds.....	108		Licensing.....	121
	DTMF Tones.....	20		Li-Ion Battery.....	120
E	Earpiece Volume.....	19		Listening to Voicemail Messages.....	67
	Editing Profile.....	28		Low Battery Power Warning.....	5
	Editing the Text Templates.....	110	M	Main Display.....	9
	Emergency Call.....	16		Main menu.....	13
	Ending / Rejecting Calls.....	17		Making a Call by Using Speed Dial.....	77
	Error Messages.....	115		Making a Second Call.....	21
	Explore the menus.....	25		Making Calls.....	15
F	Fast Travel Charger.....	5, 120		Managing Calls.....	18
	Fixed Dial.....	42		Memory status (Contacts).....	82
G	Games.....	93		Memory status (My Media).....	111
	Getting Started.....	4		Menu Option.....	13
	Glossary of Terms.....	117		Message Server.....	60
	Group settings.....	81		Message Tone.....	28, 30
	Grouping Contacts Entries.....	78		Messages.....	52
	GSM network.....	35		Messages menu structure.....	51
H	How to Use this Phone.....	12		MMS (Multimedia Messaging Service).....	52
I	Illumination Light.....	11		Mobile Golf.....	93
	Important Error Messages.....	115		Multi Function Key.....	8
	Important Information.....	1		Multi-Party Calls.....	22
	Inbox (MMS).....	57		Muting the Alarm.....	99
	Inbox (SMS).....	64		My Media.....	106
	In-Call Options.....	19		My Media menu structure.....	105
	Incoming Call While on a Call.....	21		My Number.....	79
	Incoming Calls during Camera Operation.....	46	N	Navigation Key.....	7
	Incoming Tone.....	28, 30		Network Setting.....	35
	Infrared.....	101		Ninja Action.....	93
	Input mode.....	49		Notes.....	122
	Input mode change.....	49		Number Keys.....	8
	Inserting and Removing the SIM.....	4	O	Operation of Battery Level Indicator.....	5
	International Dialling.....	16		Options (Cell Broadcast).....	69
	International Dialling Prefix Key.....	8		Options in Call log.....	24, 76

Options in Contacts	72	Sending a Message (MMS)	55
Options in Phone Contacts	74	Sending a Message (SMS)	63
Options in SIM Contacts	73	Sending Contacts (Infrared)	103
Options in Sound File (Stored Sounds)	108	Sending Data (Infrared)	101
Options in View Finder	46	Sending Messages (Call log)	23, 75
Other Text Modes	50	Sending Pictures and Sounds (Infrared)	102
P Pause Dial	20	Server Setting	83
Pause Key	8	Service Charge	40
Personal Handsfree	120	Service Inbox	90
Personal WAP / MMS Settings	111	Setting Backlight time	33
Phone Basics and Managing Calls	14	Setting Cell Broadcast On/Off	69
Picture Options (My Media)	107	Setting Display Colour Theme	33
Pictures (My Media)	106	Setting Display Contrast	33
PIN entry	41	Setting Infrared	102
Power/End Key	7	Setting Key Tone	31
Preparing for Infrared Connection	101	Setting Key Volume	31
Profile Setting	27	Setting Options (MMS)	61
Q Quiet Mode	18	Setting Options (SMS)	66
Quiet Mode Key	8	Setting Ring Volume	30
R Reading a Received Message (Cell Broadcast)	69	Setting Speed Dial	77
Reading a Received Message (MMS)	58	Setting the Alarm	98
Reading a Received Message (SMS)	64	Setting the Message Centre number	66
Receiving Data via Infrared Port	103	Setting the MMS Message Server / Profile	60
Receiving Messages (MMS)	57	Setting the Mailbox Number	67
Receiving Messages (SMS)	64	Setting Time and date	44
Recent Number Dialling	15	Setting Wallpaper	33
Recording New Sound	108	Setting Warning Tone	31
Right Soft Key	7	Settings	27
Ring Volume	28, 30	Settings (Games)	96
S Safety Consideration	1	Settings menu structure	26
Saving a Phone Number from Call log into the Contacts list	24, 76	Shift mode	49
Search Mode	36	Shift mode change	49
Security	92	Shortcuts	9, 109
Security Settings	41	SIM	4
Select Network	35	Slide	54
Selecting Games	93	Slotz	94
Self-portrait	47	SMS (Short Message Service)	62
Send Key	7	Snooze Function	99
Send my number	39	Sound (Settings)	30

Sound recorder	100
Sounds (My Media)	108
Specifications	119
Speed Dial	77
Square	94
Standard Dialling	15
STK (SIM Tool Kit).....	98
Storing (Contacts).....	73
Storing a Number in SIM	73
Storing a Number in Your Phone.....	74
Switching Phone ON/OFF	14
Symbols Used in the Manual	12
T T9®	50
Taking a Picture	45, 106
Tegic.....	49
Text Entry	48
Text Input.....	50
Text Templates	110
Time and date	44
Tone Setting	30
Troubleshooting	113
Truck.....	93
U Use and Save Pictures	46
V Vibration Alert	29
Vibration Alert Setting	32
Viewing Calendar	104
Viewing Call log	23, 75
Viewing Chat	68
Viewing groups	78
Viewing Message Lists (MMS)	59
Viewing Message Lists (SMS).....	65
Viewing Picture / Image	106
Viewing Pictures	47
Viewing Shortcuts.....	109
Viewing Stored Numbers (My Number)	80
Viewing Stored Numbers (Speed Dial).....	77
Viewing the Contents.....	82
Voicemail	18, 67
Voicemail Key	8
W Wallpaper	33
WAP information	91
WAP profiles	92
Warning Tone	29, 31

The Serial Number can be found on the outside of the phone under the battery. For your convenience we recommend that you note the following details as a record of your purchase.

Part Number	
Serial Number	
Dealer Name	
Purchase Date	

Contents

Important Information	1	Explore the menus	25
Safety Considerations	1	Settings menu structure	26
Care and Maintenance	3	Settings	27
Getting Started	4	Profile Setting	27
Inserting and Removing the SIM	4	Editing Profile	28
Attaching and Removing the Battery	4	Tone Setting	30
Charging the Battery	5	Vibration Alert Setting.....	32
Operation of Battery Level Indicator	5	Display Setting	33
Low Battery Power Warning	5	Network Setting	35
Keys & Displays	6	Call Settings	37
Keys	7	Security Settings	41
Shortcuts	9	Time and date	44
Display	9	Camera	45
Illumination Light.....	11	Text Entry (Edit)	48
How to Use this Phone	12	Shift mode	49
Symbols Used in the Manual	12	Input mode	49
Selecting a Menu Option.....	13	Text Input	50
Phone Basics and Managing Calls	14	Messages menu structure	51
Switching Phone ON/OFF	14	Messages	52
Displaying Menu	14	MMS (Multimedia Messaging Service).....	52
Making Calls	15	SMS (Short Message Service).....	62
Answering Calls	17	Voicemail.....	67
Ending / Rejecting Calls	17	Chat.....	68
Managing Calls	18	Cell Broadcast	69
In-Call Options	19	Contacts menu structure	70
Call log	23		

Contacts	71	Sound recorder.....	100
Browsing Contacts	71	Calculator	100
Storing.....	73	Infrared	101
Call log	75	Calendar	104
Speed Dial	77	My Media menu structure	105
Grouping Contacts Entries	78	My Media	106
My Number	79	Pictures	106
Group Settings	81	Sounds	108
Memory status	82	Shortcuts	109
Copy from SIM	82	Text Templates.....	110
Browser	83	Memory status.....	111
Server Setting	83	Personal WAP / MMS Settings	112
Viewing the Contents	84	Troubleshooting	113
Browser Options	85	Important Error Messages	115
Browser Options (Bookmarks)	86	Glossary of Terms	117
Browser Options (Enter address).....	86	Specifications	119
Browser Options (Save image)	87	Accessories	120
Browser Options (Set as bookmark)	87	Licensing	121
Browser Options (Reload page).....	88	Notes	122
Browser Options (Advanced)	89	Index	123
Browser Options (Settings)	92		
Games	93		
Selecting Games.....	93		
Settings	96		
Applications menu structure	97		
Applications	98		
STK	98		
Alarm.....	98		