

# 3G PHONE

## Fixed Wireless Phone



## Installation & User Guide

Version 01 – August 2012



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## Document Control

Date	Doc Version	Change
August 2012	1	1 <sup>st</sup> release of document

## 2. Notices

### Emergency Calls

**This 3G phone operates using wireless signalling which cannot guarantee connection in all conditions. Therefore, you should never rely solely on the terminal equipment for essential communications such as medical or emergency services.**

No responsibility is assumed by TFM for the use or reliability of the 3G phone when used in a situation or with other equipment not supplied or specified by TFM.

TelecomFM shall accept no liability for any error, loss, or damages of any kind resulting from the use of this document or the equipment it relates to.

The 3G Phone is supplied with a 1 year return to base warranty which covers any defects in design or manufacture. No other warranties whatsoever are given.

The wording in this document may change from time to time. Please refer to the TelecomFM web site [www.telecomfm.co.uk](http://www.telecomfm.co.uk) for the latest release.

## 3. Recommendations

**Do Not** clean the 3G phone whilst powered up. Use a Damp cloth for cleaning. Do not use liquid or aerosol cleaners that could damage the 3G phone.

**Do Not** put obstructions in the way of the 3G phone that may cause the signal to fade.

**Do Not** put the 3G phone too close to other electronic devices that may cause interference when in use

**Do Not** place the 3G phone in direct sunlight or by any heat source

**Do Not** disassemble the batteries and always seek professional advice when disposing of batteries



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### 4. Regulatory Information

#### Declaration of Conformity

Applicant: TelecomFM Ltd.  
Address: 895 Plymouth Road, Slough,  
Berkshire, SL1 4LP, U.K.

Product: 3G Phone

This equipment complies with the European R&TTE  
Directive no. 1999/5/EC on radio and telecommunication  
terminal equipment.

TelecomFM  
June 2012





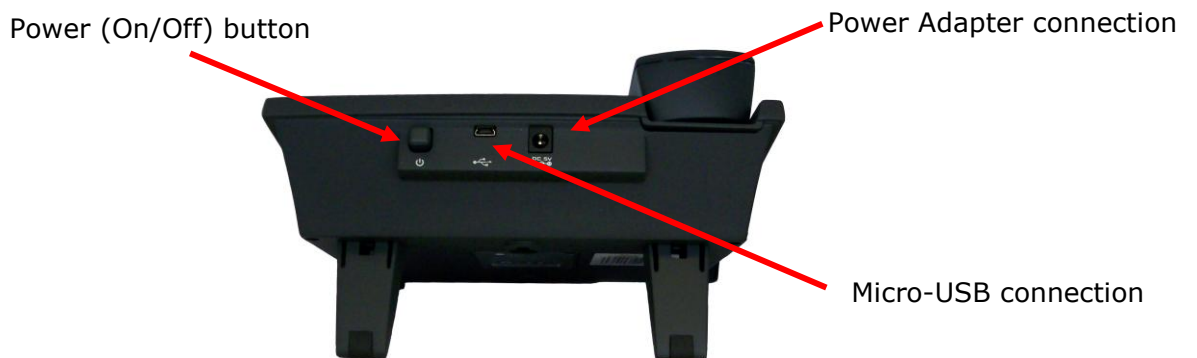
## 5. Introduction

Thank you for purchasing the 3G phone.

The 3G Phone can be used to make and receive phone calls, send and receive SMS messages and connect to the internet at locations where a fixed telephone line is not available.

The 3G Phone incorporates:

### Rear View:



### Top View:

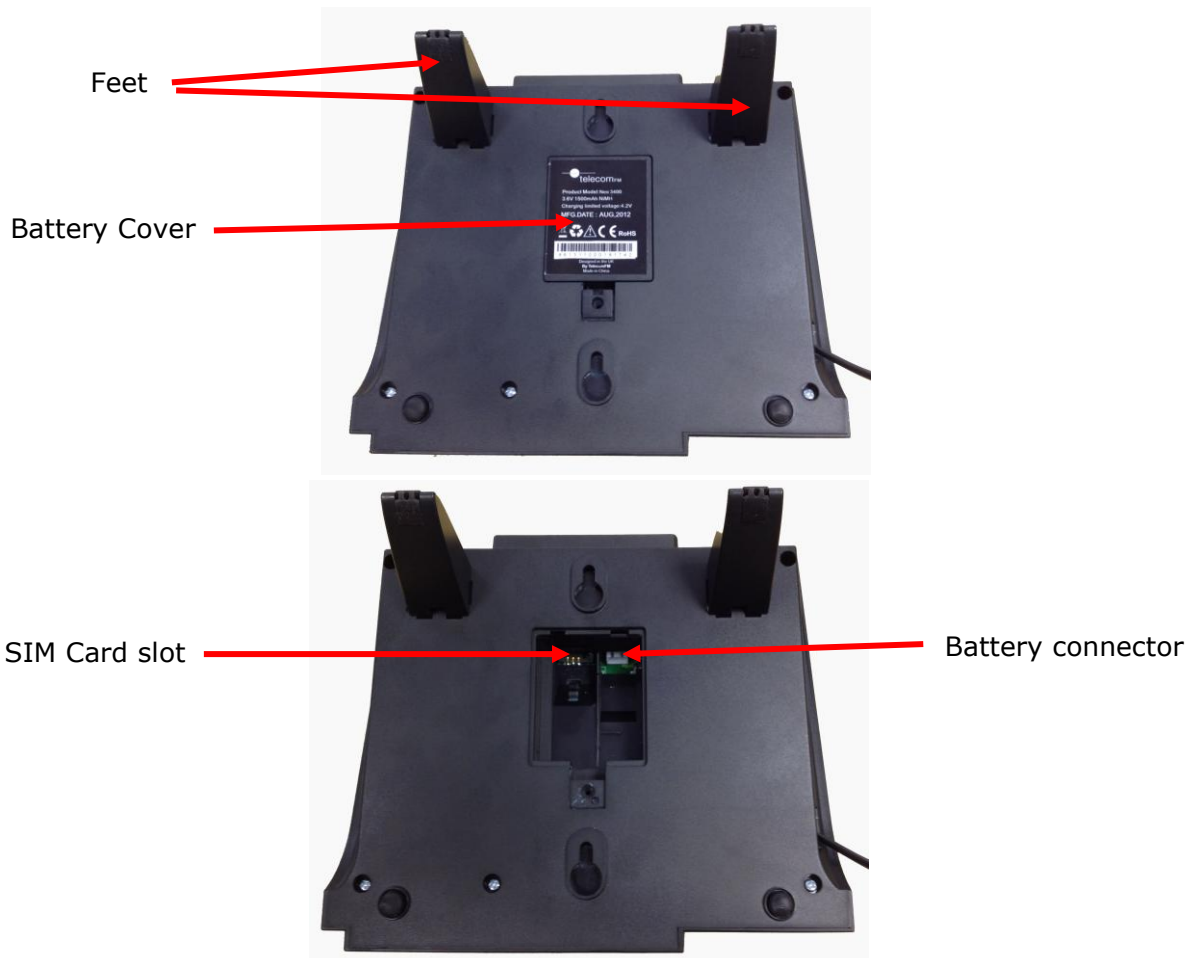




**Side View:**



**Bottom View:**





## 6. Getting Started

Remove the 3G Phone from the packaging, and proceed as follows:

**Warning! To avoid damage do not connect power until you have inserted the SIM and battery pack**

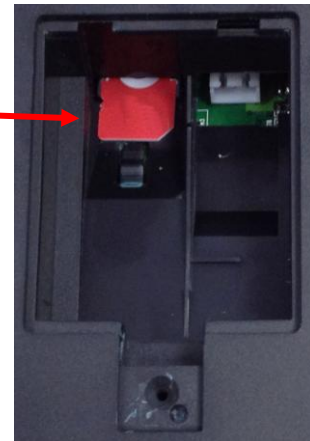
### 6.1. Setting Up the Phone

Install the SIM card and battery pack

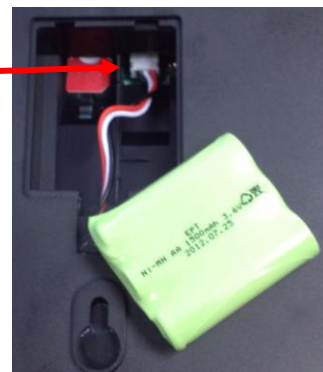
Unscrew the battery cover screw and remove the battery cover.



Slide the SIM card into position making sure that the gold pins make contact



Connect the battery pack into its connector and position in place



Replace the battery cover and screw.



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(Optional) Attach the 2 feet to the underside of the phone

### Attach the Handset

Plug one end of the handset cord into the bottom of the handset and the other end to the RJ11 connector found on the side of the 3G Phone



### Connecting the power Supply

Connect the power supply unit to the mains AC outlet and to the power supply connector on the phone (marked DC 5v)



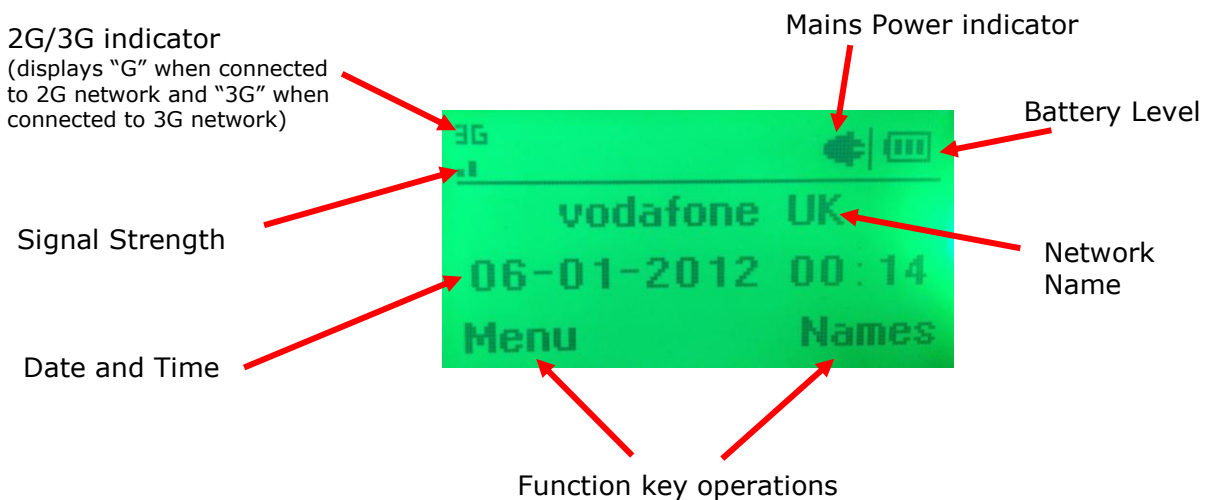




## 6.2. Powering Up the 3G Phone for the First Time

Press the power button on the back of the unit and wait for the display to light up and for the 3G phone to initialise.

The 3G Phone will now carry out an auto test and log onto your chosen network. If successful the following will be displayed on the LCD screen:



## 6.3. Battery Backup

**Note:** To optimize battery life and performance it is recommended that once powered up for the first time you leave the mains power connected for a minimum of **5 hours** before operating the phone from battery power.




**If there is a power outage the AC power symbol will go out and the 3G phone will automatically switch to battery backup mode and show the battery symbol charge status.**

**When in battery mode the battery provides approximately 100 hours standby time and approximately 2 hours talk time (subject to network signal and environmental conditions).**

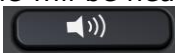



## **7. Calling**


### **7.1. Starting a phone call**


Either lift the handset or press the Handsfree key . After hearing dial tone, dial the required number followed by either the Green Dial key  or the OK key . The call will then be connected.


### **7.2. Receiving a phone call**

When an incoming call is received the caller's number (if available) will be displayed on the phone display and the ring tone will be heard. To answer the call either lift the handset, press the Handsfree key  or press the Green key .


### **7.3. Volume Control and Mute**

To reduce the speaker volume during a phone call press the Left arrow key .


To increase the speaker volume during a phone call press the Right arrow key .

To mute the microphone during a phone call (secrecy function) press the Mute key . Press the Mute key a second time to un-mute the microphone.

### **7.4. Ending a phone call**

A call may be ended at any time by pressing the Red Hangup key .

If the Handset is in use a call may also be ended by replacing the handset.

If the phone is in Handsfree (speakerphone) mode a call may also be ended by pressing the Handsfree button .



## 8. Menu

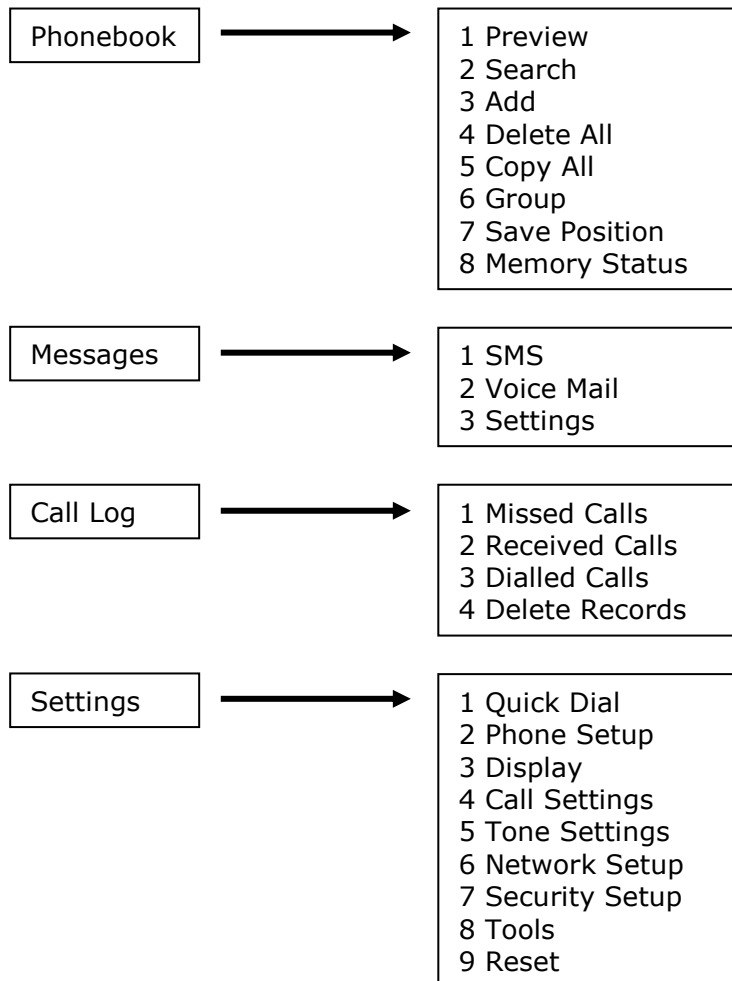
The phone's menu system can be accessed by pressing the Left function key whenever "Menu" is displayed on the screen:



There are 4 menus available – use the Left and Right arrow keys to select the required menu and then press the OK key.

After entering one of the 4 menus use the Up and Down arrow keys to select between the options and sub-menus and press the OK key to select.

The menu structure is as follows:



These menus are described in detail in the following pages.



### 8.1. Phone Book Menu

The phone book allows the storage of names and numbers for commonly used contacts. Up to 1000 contacts can be stored on the telephone. Additional contacts can be stored on the SIM card.

#### 8.1.1. Preview

Displays a list of all of the current contacts in the phone book. Use the Up and Down arrow keys to move through the list of contacts. Press the OK key to select a contact and display a new menu of options:

- 1 New Message
- 2 Voice Call
- 3 Preview
- 4 Edit
- 5 Delete
- 6 Copy
- 7 Move
- 8 Add to Blacklist
- 9 Send V/Card

**1. New Message:**

Send an SMS message to the selected contact.

**2. Voice Call:**

Start a new voice call to the selected contact

**3. Preview:**

View the selected contact name and telephone number

**4. Edit:**

Edit the selected contact details

**5. Delete:**

Delete the selected contact.

**6. Copy:**

Copy the selected contact from the Phone memory to the SIM card or from the SIM card to the Phone memory

**7. Move:**

Move the selected contact from the Phone memory to the SIM card or from the SIM card to the Phone memory

**8. Add to Blacklist:**

Add the selected contact to a Blacklist that will block inbound calls from the contact number

**9. Send Vcard:**

Send the contact details as a Vcard to another device. Enter the number for the other device or choose "Search" to select from the phone book.



### 8.1.2. Search

Search for a contact in the phone book.

Enter the first character(s) of the contacts name and then press the OK key to view a list of contacts which match.

Use the Up and Down arrow keys to move through the list of matched contacts.

Press the OK key to select a contact and display a new menu of options:

- 1 New Message
- 2 Voice Call
- 3 Preview
- 4 Add to Blacklist
- 5 Send V/Card

**1. New Message:**

Send an SMS message to the contact.

**2. Voice Call:**

Start a new voice call to the contact

**3. Preview:**

View the contact name and telephone number

**4. Add to Blacklist:**

Add the contact to a Blacklist that will block inbound calls from the contact number

**5. Send Vcard:**

Send the contact details as a Vcard to another device. Enter the number for the other device or choose "Search" to select from the phone book.

### 8.1.3. Add

Add a new contact to the Phonebook

Press the OK key to enter the contact's name. Use the phone keypad to enter the name and then press OK.

Press the Down Arrow key to select the number entry (indicated by either a phone or SIM card icon depending on which memory is in use) and then press OK to enter the contact's phone number. Use the phone keypad to enter the number and then press OK.

Press the "Done" (Right) function key when the name and number have been entered.

Press the OK key to save the contact or the "Cancel" (Right) function key to exit without saving the contact.

### 8.1.4. Delete All

Delete all contacts from the Phonebook.

Press the OK key to confirm or the "Cancel" (Right) function key to return to the menu without deleting.



#### **8.1.5. Copy All**

Copy all of the contacts from the phone memory to the SIM card or from the SIM card to the phone memory.

Choose whether contacts should be copied from "SIM to Phone" or from "Phone to SIM" and press OK to begin the copy.

#### **8.1.6. Save Position**

Select whether new contacts should be saved to the phone memory or the SIM card.

Choose between "Mobile" (for the phone memory) and SIM card and press the OK button to confirm.

#### **8.1.7. Memory Status**

Display the number of contacts saved and total number of available contacts for the phone memory and SIM card.



## **8.2. Message Menu**

The Message menu allow access to text message (SMS) and Voicemail services.

### **8.2.1. SMS**

Access the SMS menu which has the following options:

#### **1. Write MSG**

Send an SMS message.

Use the phone keypad to type the message. The following keys have special functions:

- 0      insert a space
- \*      insert a symbol
- #      switch between uppercase letters, lowercase letters and numbers

Once a message has been written press the OK key for the following options:

***Send To:***

Sends the SMS message.

Enter the destination phone number using the phone keypad and press the OK key to send the message. Multiple recipients can be entered by pressing the down arrow key to move to the next line.

Alternatively, press the OK key without entering a number to display the phonebook. Select the name(s) of recipients and then press the "Finish" (Right) function key. Press the OK key again to send the message.

***Insert Template:***

Choose from a list of common messages. The text will be inserted automatically into the message.

***Save:***

Save the message to the "Draftbox" for use later.

***Exit:***

Return to the main screen.



### 2. Inbox

Display a list of received SMS messages.

Select a message and press the OK key to display the following menu:

- 1 Preview
- 2 Reply
- 3 Forward
- 4 Voice Call
- 5 Save Number
- 6 Deleted
- 7 Delete All
- 8 Exit

**Preview:**

Display the content of the selected SMS message

**Reply:**

Reply to the original sender of the SMS message.

**Forward:**

Forward the selected SMS message to a new recipient.

**Voice Call:**

Make a voice call to the original sender of the SMS message.

**Save Number:**

Create a new contact in the phonebook for the original sender of the SMS message.

**Delete:**

Delete the selected SMS message. Press OK to confirm or the "Cancel" (Right) function key to return to the menu.

**Delete All:**

Delete all SMS messages from the Inbox. Press OK to confirm or the "Cancel" (Right) function key to return to the menu.

**Exit:**

Return to the main screen

### 3. Outbox

Display a list of sent SMS messages.

Select a message and press the OK key to display the following menu:

- 1 Preview
- 2 Send Again
- 3 Delete
- 4 Delete All
- 5 Exit





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**Preview:**

Display the content of the SMS message

**Send Again:**

Send this SMS message again. The message and/or recipients can be edited before sending the message.

**Delete:**

Delete the SMS message. Press OK to confirm or the "Cancel" (Right) function key to return to the menu.

**Delete All:**

Delete all SMS messages from the Outbox. Press OK to confirm or the "Cancel" (Right) function key to return to the menu.

**Exit:**

Return to the main screen

### 4. Draftbox

Display a list of previously saved SMS messages.

Select a message and press the OK key to display the following menu:

- 1 Edit
- 2 Delete
- 3 Delete All
- 4 Exit

**Edit:**

Display the SMS message. The message can be edited and then sent or saved again.

**Delete:**

Delete the SMS message. Press OK to confirm or the "Cancel" (Right) function key to return to the menu.

**Delete All:**

Delete all SMS messages from the Draftbox. Press OK to confirm or the "Cancel" (Right) function key to return to the menu.

**Exit:**

Return to the main screen

### 5. Templates

Manage pre-defined message templates.

The following options are available:

- 1 Edit
- 2 Add
- 3 Delete
- 4 New Message



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### **Edit:**

Edit the selected template.

After editing the template press the OK key to save and return to the list of templates.

### **Add:**

Add a new template. Enter the template and press the OK key to save.

### **Delete:**

Delete the template. Press the OK key to confirm or press the "Cancel" (Right) function key to return to the list of templates.

### **New Message:**

Start a new message using the selected template.

## 8.2.2. Voice Mail

### **Call**

Call the network provider's voicemail service (subject to network support).

### **Voice No.**

Edit the voicemail service phone number. Enter the new number and press the OK key to Save. The voicemail number is provided by the network service provider.

## 8.2.3. Setting

Edit settings relating to the message services. Options are:

### **Send and Save:**

Select whether sent SMS messages should be saved in the Outbox.

### **Info Centre:**

Edit the SMS Service centre number. Enter the new number and click the OK key to Save.

### **Memory Location:**

Select whether received messages should be stored in the phones memory ("Mobile First") or on the SIM Card ("Sim Card First"). When the selected memory is full any new messages will be automatically stored in the alternate memory (if space is available).

### **Storage Status:**

View the number of stored messages and total amount of message storage for the phone and SIM card.



### 8.3. Call Log Menu

Review Missed calls, Dialed calls and Received calls.

#### **Call Log Sub-Menus**

- 1 Missed Calls
- 2 Received Calls
- 3 Dialed Calls
- 4 Delete Records

#### 8.3.1. Missed Calls

View a list of recent unanswered calls.

Select an entry on the list and press the OK key to view details including the name (if available), the phone number and the time/date of the call.

Press the "Options" (Left) function key to display a menu and choose from the following options:

##### ***Voice Call***

Start a new call to the selected number

##### ***New Message***

Start a new SMS message to the selected number

##### ***Preview***

View call details including the name (if available), the phone number and the time/date of the call

##### ***Add to Blacklist***

Add the number to a blacklist to stop inbound calls being received from that number

##### ***Save Number***

Create a new contact in the phonebook for the selected the number

##### ***Delete***

Delete the entry from the list. Press the OK key to confirm or the "Cancel" (Right) function key to return to the menu without deleting the entry.

#### 8.3.2. Received Calls

View a list of recent received calls.

Select an entry on the list and press the OK key to view details including the name (if available), the phone number and the time/date of the call.

Press the "Options" (Left) function key to display a menu and choose from the following options:

##### ***Voice Call***

Start a new call to the selected number

##### ***New Message***

Start a new SMS message to the selected number



### **Preview**

View call details including the name (if available), the phone number and the time/date of the call

### **Add to Blacklist**

Add the number to a blacklist to stop inbound calls being received from that number

### **Save Number**

Create a new contact in the phonebook for the selected the number

### **Delete**

Delete the entry from the list. Press the OK key to confirm or the "Cancel" (Right) function key to return to the menu without deleting the entry.

### **8.3.3. Dialed Calls**

View a list of recent dialed calls.

Select an entry on the list and press the OK key to view details including the name (if available), the phone number and the time/date of the call.

Press the "Options" (Left) function key to display a menu and choose from the following options:

#### ***Voice Call***

Start a new call to the selected number

#### ***New Message***

Start a new SMS message to the selected number

#### **Preview**

View call details including the name (if available), the phone number and the time/date of the call

#### **Add to Blacklist**

Add the number to a blacklist to stop inbound calls being received from that number

#### **Save Number**

Create a new contact in the phonebook for the selected the number

#### **Delete**

Delete the entry from the list. Press the OK key to confirm or the "Cancel" (Right) function key to return to the menu without deleting the entry.

### **8.3.4. Delete Records**

Erase one or all of the call record lists.

Select whether to erase "All Records", "Missed Records", "Received Records" or "Dialed Records" and press the OK key. Press the OK key again to confirm or press the "Cancel" (Right) function key to return to the menu without deleting the records.



### 8.4. Settings Menu

Make changes to the way the 3G Phone works.

The following settings are available:

1. Quick Dial
2. Phone Setup
3. Display
4. Call Setting
5. Tone Setting
6. Network Setup
7. Security Setup
8. Tools
9. Reset

#### 8.4.1. Quick Dial

Assign numbers to the 6 programmable keys to allow them to be dialled quickly by pressing a single key.

Select one of the 6 entries and press the OK key:

**Get from Phone Book**

Choose an entry from the phonebook to assign to the key. Select the entry from the phonebook and press the OK key to assign it to the programmable key.

**Edit**

Enter a number manually and press the OK key to assign it to the programmable key.

**Delete**

Delete the number that is currently assigned to the programmable key.

Once a number has been assigned to a key that number can be dialled by simply pressing the required programmable key.



### 8.4.2. Phone Setup

Provides the following options:

#### **Language**

Choose between "English" and "Spanish" to select the language used for the phone's menu

#### **Date and Time**

Set the current date/time and adjust it's format:

*Time Setting* – enter the current date and time then press the OK key to save.

*Format Setting* – select the display format for the date (yy-mm-dd, mm-dd-yy or dd-mm-yy) and time (12 or 24 hour)

#### **Owner Number**

Set the phone number for the SIM that is in use. Enter the number and press the OK key to save.

### 8.4.3. Display

Adjust the contrast for the phone display. Choose a level from 1 to 5 and press the OK key to Save. The default level is level 2.

### 8.4.4. Call Settings

Change settings for the following call services (note that available services can vary between network providers and SIM type):

#### **Call Waiting**

When on an active call, the call waiting service provides an audible alert when a new incoming call is being received. Select "Activate" to turn the service on, "Deactivate" to turn the service off or "Query Status" to check whether the service is currently on or off.

#### **Call Forwarding**

Allows the forwarding of calls to a specified number. Select the type of call forwarding required and then select "Activate" to turn the service on, "Deactivate" to turn the service off or "Query Status" to check whether the service is currently on or off.

Available types of forward are:

*Unconditional* – forward all calls

*Mobile Busy* – forward calls when the phone is in use

*No Reply* – forward calls when they are unanswered

*Not Reachable* – forward calls when the phone is off or has no network signal

*All Conditional* – sets the "Mobile Busy", "No Reply" and "Not Reachable" forwards



### **Call Barring**

Prevent calls from being either dialled from or received on the inserted SIM. Select "Bar In" to stop calls from being received or "Bar Out" to stop calls from being dialled. Select "Activate" to turn the service on, "Deactivate" to turn the service off or "Query Status" to check whether the service is currently on or off.

### **Minute Alert**

Provides an audible alert every minute during a call so that the user can keep track of the length of a call. Select "On" and press the OK key to turn the service on or "Off" followed by the OK key to turn the service off.

### **Hotline**

Allows a telephone number to be automatically dialled when the user lifts the handset or presses the handsfree button. The following options are available:

*On* – turn on the Hotline feature

*Off* – turn off the Hotline feature

*Input Number* – enter the number that should be automatically dialled

*Timer Value* – set an optional value for the number of seconds that the phone will wait when the handset is lifted (or handsfree button pressed) before dialling the hotline number. During this period the user may dial an alternative number. Setting this number to 0 will cause the hotline number to be dialled immediately when the handset is lifted (or handsfree button pressed) and it will not be possible to dial an alternative number.

## **8.4.5. Tone Setting**

Adjust the phone's audio settings. The following options are available:

### **Ring Type**

Select the ringtone that will be played when an incoming call is received. There are ten ringtones available.

### **Message Alert**

Select the message alert that will be played when an SMS message is received. There are three message alerts available.

### **Ring Volume**

Set the volume that the ringtone will be played at when an incoming call is received. Use the Left and Right arrow keys to set the level and then press the OK key to save.

### **Message Volume**

Set the volume that the message alert will be played at when an SMS message is received. Use the Left and Right arrow keys to set the level and then press the OK key to save.

### **Key Tone**

Turn the key tone on or off. When the key tone is on an audible tone will be heard every time one of the phone's keys is pressed.

### **Power On Alert**

Turn the power on alert on or off. When the power on alert is on a melody will be played when the phone is turned on.



### 8.4.6. Network Setup

Adjust settings for the network provider. The following settings are available:

#### **Mode Switch:**

*UMTS* – only connect to UMTS (3G) networks

*GSM* – only connect to GSM (2G) networks

*Automatic* – connect to GSM and UMTS networks

#### **Select Network:**

*Automatic* – select the network to connect to automatically

*Manual* – manually select the network to connect to. The phone will search for available networks and display a list

### 8.4.7. Security Setup

Adjust settings for security.

A password is required to access this menu, the default password is 0000.

Enter the password and press the OK key to display the following settings:

#### **Pin Lock:**

Require the SIM PIN to be entered every time the phone is turned on.

Select on or off to enable or disable the pin lock – the current SIM pin must then be entered to confirm.

#### **Phone Lock:**

Lock the phone to the current inserted SIM. Select on or off to enable or disable the phone lock. After the phone lock is turned on the phone will not operate if a different SIM card is inserted.

#### **Black list:**

View the numbers that are currently stored in the blacklist – incoming calls from these numbers will not be accepted. To remove a number from the list select the number and press the OK key. Press the OK key a second time to confirm or press the “Cancel” (Right) function key to return to the list without deleting the number.

Numbers can be added to the blacklist from the phonebook or the call log.

#### **Change Password:**

Change the password that is used to access the security menu.

Enter the new password followed by the OK key. Enter the new password again followed by the OK key to confirm.

#### **Change Pin:**

Change the SIM PIN.

Enter the Old SIM Pin followed by the OK key.

Enter the New SIM Pin followed by the OK key.

Enter the New SIM Pin again followed by the OK key to confirm.

#### **FDN:**

Fixed Dialling Number feature – used to limit the numbers that can be dialled from the SIM (requires network service provider support).





### 8.4.8. Tools

The following tools are available:

#### **Alarm:**

Use the phone as an alarm clock.

*On – Off* – Turn the Alarm clock on or off

*Time* – set the time that the alarm should sound

*Repeat* – choose whether the alarm should sound Once, Every Day, Every Work Day or at Weekends

*Ring* – select the ringtone to play as the alarm sound

#### **Calendar:**

View a basic calendar.

Use the Up and Down arrow keys to change the day.

Use the Left and Right arrow keys to change the month.

Press the OK key for the following options:

*Jump to Date* – manually enter a date to display

*Go to Today* – display today's date

#### **Calculator:**

A basic calculator. Use the numeric keypad to enter numbers and the following special keys:

Up arrow	multiply
Down arrow	divide
Left Arrow	plus
Right arrow	minus
OK	equals
*	decimal point
Left function	clear
Right function	return to menu

#### **Time Zone:**

Change the timezone used by the phone. Select the current timezone and press the OK key to save. Press the OK key a second time to confirm.

### 8.4.9. Reset

Reset the phone to factory default settings. Press the OK key to confirm or the "Cancel" (Right) function key to return to the menu without changing the settings.



### 9. Troubleshooting

If you encounter any problems while using the 3G Phone they may be easily resolved by checking the list below, or by contacting your service provider

#### No Power:

- Check mains supply is connected

#### Will not operate on Battery back up:

- Check batteries have been fully charged. It is recommended that you leave the 3G Phone to fully charge before use.

#### Cannot make any calls:

- Make sure the SIM is live on the Network
- Make sure there is sufficient credit on the SIM if using a Pre-paid SIM card
- If in doubt insert the SIM into another mobile device and check it works

#### Cannot receive calls:

- Make sure there is no call forwarding set on the SIM card
- If in doubt insert the SIM into another mobile device and check it works

#### No SIM card message displayed:

- There is no SIM card inserted, or SIM not correctly fitted

#### Input Pin displayed:

- Requires SIM Pin number to be entered

#### Wrong PIN displayed:

- The PIN entered is the wrong PIN number

#### Invalid network SIM

- The SIM is not recognised by the Network provider. Contact your network operator.

#### No service:

- There is no Network, or you are not within range of the received signal

#### Interference when making calls:

- Make sure that you are not too close to other electronic devices. Try moving the 3G Phone to another location.

#### Cannot access certain USSD Functions:

- The service may be dependent on your chosen network provider. An example of this could be "SS" (Supplementary Services) for Call Barring.  
If in doubt check with the Network Provider



## 3G Phone User Manual



### 10. Hardware Specification

Bands	UMTS 900 / 2100 MHz GSM 850 / 900 / 1800 / 1900 MHz
Max. Data Rates	HSDPA 3.6Mbps UMTS 384kbps EDGE 237kbps GPRS 85.6kbps
Antenna	Internal
Battery	NiMH Rechargeable
Data Port	USB Micro-B Socket
Headset Port	Twin 3.5mm Jack Sockets for microphone and headphone connection
Handset Port	RJ10 4P4C Socket

### Features Specification

- \* USB Driver for Microsoft Windows 2000/XP/Vista/7
- \* High Speed data via USB
- \* Firmware update via USB
- \* TCP/IP
- \* LCD
- \* Caller ID Presentation & Restriction
- \* Outlook contact synchronisation
- \* SMS
- \* Speed dial
- \* Call Transfer
- \* Call Waiting
- \* Call Hold and Multiparty
- \* Call Forwarding
- \* Alarm Clock
- \* Mute
- \* Redial
- \* Cell lock
- \* Pin lock
- \* Network lock
- \* Hotline
- \* Call Barring