



pearl+

Your personal safety mobile

User Guide



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www.oysta-technology.com

User Guide



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pearl+ Precautions and Notices for Safety

Please read these safety instructions to ensure you use your handset correctly.

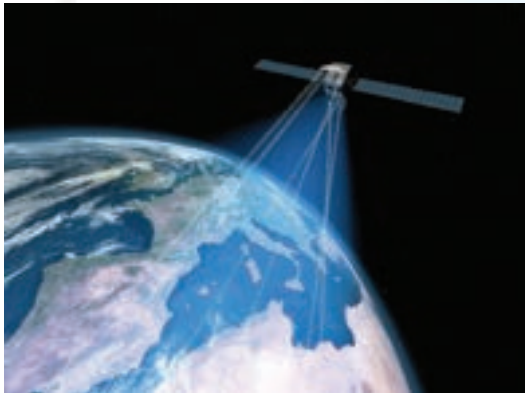
Precautions

- Turn your Pearl+ off in a potentially explosive atmosphere.
- Turn your Pearl+ off during a flight.
- Do not use your Pearl+ whilst driving.
- Be aware of the details on electromagnetic waves of your Pearl+.
- Do not touch your Pearl+ or its power plug with a wet hand.
- Do not remodel, disassemble, or repair your Pearl+ on your own.
- Use only approved batteries and accessories.
- Use the standard charger acquired with a TTA certified mark.
- Do not keep your Pearl+ in or near a source of heating, like an oven or microwave oven.

pearl+ Compliance

This equipment is designed to comply with the local legislation in the country it is being sold.

If you require any compliance documentation, please contact your local distributor.



The myOysta Service

The Pearl+ mobile has been exclusively developed by Oysta Technology. For full details of the functionality of your Pearl+ mobile go to www.oysta-technology.com. It should be noted that the Pearl+ mobile will only operate in conjunction with the MyOysta service.

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1. Introduction

The Pearl+ mobile is a powerful GPS location device which is small in size and lightweight. It is designed for personal security and has an inbuilt emergency button as well as a motion sensor. Both these features ensure direct contact to your chosen control centre or emergency number should you encounter a difficult or threatening situation. As your location will be known, the control centre or emergency contact can deal with the situation efficiently and effectively.

The Pearl+ is a quadband device and will work on GSM frequencies 850, 900, 1800 and 1900.

The Pearl+ mobile offers controlled dialling by allowing up to 20 numbers to be called which are pre-programmed in the MyOysta website.

When the emergency button is activated, the Pearl+ will immediately call and send its location information to the nominated emergency telephone number or control centre.

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2. Features

- 0 Fixed Time Reporting
- 0 Emergency button
- 0 Motion sensor
- 0 Power Status
- 0 Programmable buttons
- 0 Speed Sensor
- 0 Geo-fencing (custom safety zones)
- 0 Non-movement
- 0 Phonebook



pearl+ 3. Components

- 1 Pearl+ mobile
- 2 Battery
- 3 Handsfree headset
- 4 AC-power adapter
- 5 User guide

Always use an approved Oysta Technology charger and battery.

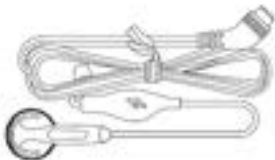
Do not use non genuine parts as it could damage the battery or cause an explosion.



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pearl+ 4. Your Oysta Pearl+



pearl+ 5. Installing the SIM card

Remove the charger if connected and turn the phone off. Open the back cover of the Oysta Pearl+ and remove the battery. Insert the SIM card as shown below, ensuring the gold-coloured contact area of the SIM card is facing downward on the device.



Close the SIM card holder and move it to the right to lock. Slide the battery back in and push it down to lock it into position. Next, place the back cover back in place.

pearl+ 6. Charging the battery

First connect the charger to the interface on the bottom of the device as shown below.

Next, connect the charger to an AC wall socket. A message on the screen will confirm that the charger is connected. The battery charge level indicator at the top right of the screen will indicate the Oysta Pearl+ is charging.

Please note that you can use the Oysta Pearl+ while it is charging. If the Oysta Pearl+ is not switched on when you are charging it the battery charge level indicator will still be visible on the screen.

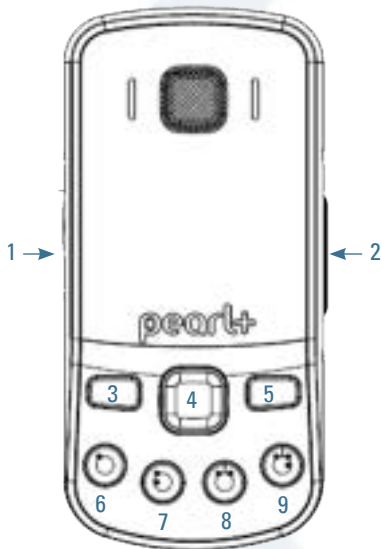
When the battery charge level Indicator is full and has stopped flashing, the charging process is complete and the charger can be disconnected. Charging the battery usually takes between 1 and 2.5 hours depending on the state of the battery.



pearl+ 7. Buttons

The phone panel consists of nine buttons.

1. Power/Key lock button
2. Volume button
3. Menu/Confirm/Answer call button
4. Support/SOS button
5. Back/Cancel/End call button
- 6 - 9. Four Pre-programmable speed dial buttons



pearl+ 8. Button detail

Power/Key lock button

Hold down this key to turn on / turn off the Oysta Pearl+. When in the standby mode, press this key to lock/unlock the keypad.

Support/SOS button

Hold down this key to dial the SOS number. Even when the keypad is locked user can still press the SOS key.

Menu/Confirm/Answer call button

When in the standby mode, press this key to enter the main menu. The left soft key can be used to perform the action displayed in the lower left corner of the screen. Select a contact and then press this key to make a call. In case of an incoming call, press this key to answer the call.

Volume button












When in the standby mode, press this key to increase or decrease the keypad volume; When in a call, press this key to Increase or decrease the voice volume. When in the menu, press this key to navigate up or down. Use this key to set an alarm time.

Back/Cancel/End call button

The right soft key can be used to perform the action displayed in the lower right corner of the screen. Press this key to end a call. In case of an incoming call, press this key to reject the call. On standby, hold down this key to switch the device to silent mode (or normal mode)

Pre-programmable speed dial buttons

When in the standby mode, press this key to show the pre-programmed contact(s), then press the 'Confirm' button to call.

Icon	Description
	Network coverage level
	GPRS connect(ed)
	Keyboard is locked
	Silent mode activated
	headset mode activated
	Ring mode
	Vibration mode
	Text message
	Start-up alarm
	Display battery level
	Missed calls

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10. Operating your Pearl+ mobile

10.1 Switching your Pearl+ mobile on/off

To Turn on: Press the power/key lock button for at least 3 seconds until the screen displays a welcome message. The icons in the screen will indicate when the Pearl+ mobile registers with the GSM network. To turn off: Press the Power/Hang up button for at least 3 seconds to switch the Pearl+ mobile off.

10.2 Call/Answer

Press the Call/Answer button to answer an incoming call.

10.3 Adjust the volume

Whilst on a call, press the upper part of the volume button to increase the volume, and press the lower part of the volume button to decrease the volume.

10.4 Make a phone call

You can store 20 pre-programmed numbers in your Pearl+ mobile. When you want to call one of the numbers, first press the menu button, scroll down until 'Contact', and click on 'OK'. Scroll to a number in the 'Controlled Contact' list and then press the Call/Answer button.

You can call any of the first 4 contacts in the list by using the speed dial buttons on the standby screen, by pressing the number, then the Call/Answer key. Press the Power/Hang up button to end the call.

pearl+ 10. Operating your Pearl+ mobile CONTINUED

10.5 SOS/Support Button

When activated, the Pearl+ SOS/Support button will immediately call and send its location information to the nominated emergency telephone number or control centre.

10.6 Auto Answer

The Auto Answer function can be used when a user is in an emergency and unable to receive a call by pressing the Call/Answer button. The Auto Answer function is set up on the MyOysta website. When Auto Answer is activated, the microphone volume will automatically be set to the maximum level and the speaker volume to the medium level.



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11. Technical specifications

General

Dimension (mm – H/W/D)	92 x 44 x 17.9 mm
Weight (g)	74g

Hardware

Chip Set	MTK MT6 223D with closed embedded OS supporting Oysta Custom protocol		
GPS Baseband	uBlox 6 Engine GPS Receiver		
Band	Quad band GSM 850/900/1800/1900		
Receiver	20 x 14 mm	Speaker	20 x 14 mm
Screen	1.3" white OLED display		
Keyboard backlight	LED - Navy blue		
Vibrate Mode	Yes		
GSM Antenna	Internal antenna	GPS Antenna	Internal antenna
System Interface	Proprietary		
Earphone Interface	Yes		
RF Test Interface	For use by mobile network operators for RF network testing.		
Temperature	Normal working conditions: -10 to 55°C / Limited working conditions: 55 to 65°C		

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11. Technical specifications CONTINUED

Software

Ring tone	16 channel polyphormic MIDI for incoming calls
Voice codec	FR, EFR, HR, AMR
Two path audio	Earphone and receiver
Phonebook	20 numbers
SMS	Possibility to receive text messages
GPS	<ul style="list-style-type: none">• UBlox All-in-one GPS reciever• GPS accuracy 2.5m – 5m• Acquisition rate (TTFF defined at 95% of first position local station) Standard GPS mode: <ul style="list-style-type: none">- Hot start 1 second, average in open sky- Warm start <30 seconds, average in open sky- Cold start 30 seconds, average in open sky
OTA	Over the air command settings from the MyOysta server using the MyOysta proprietary protocol.
Motion Sensor	Sends out alert information when activated and shock is detected.
Speed Sensor	Sends out alert information when activated and speed threshold is met.

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12. Troubleshooting

Problem	Reason	Solution
The location of the Oysta Pearl+ mobile cannot be found.	The Oysta Pearl+ mobile is not in satellite coverage.	Move the Oysta Pearl+ mobile to a place where it has satellite coverage, e.g. outdoors and away from tall buildings.
The Oysta Pearl+ mobile cannot be switched on.	The battery is not charged or The Power button was not pressed long enough.	Make sure the charger is connected correctly at both the mains and the Oysta Pearl+ mobile. Make sure the battery is fitted correctly. Press the Power button for at least 3 seconds in order for the Oysta Pearl+ to switch on.
Unable to charge the Oysta Pearl+	The battery or charger is damaged or the charger is not connected correctly	Check if the charger is properly connected. If this doesn't resolve the issue contact your service provider to replace the battery or charger.
Unable to connect to the mobile network	You are not in GSM coverage or the SIM card is expired or blocked	Please move to a place with a better signal and try again. Contact your mobile operator if the problem remains the same.
SIM card malfunctioning	SIM card is damaged or not properly inserted.	Confirm SIM card is properly inserted or contact your mobile operator.

pearl+ 13 Safety info

- 0 Please do not remove the battery when the Oysta Pearl+ mobile is charging.
- 0 To avoid damage to your ear from the ring tone, when the Oysta Pearl+ mobile rings, first press the answer button and then move the Oysta Pearl+ mobile to your ear.
- 0 Do not allow the Oysta Pearl+ mobile to overheat.
- 0 Do not keep your Oysta Pearl+ mobile in a humid place.
- 0 Do not expose the Oysta Pearl+ mobile to direct sunlight.
- 0 Switch off the Oysta Pearl+ mobile when in aircraft.

pearl+ 14. Warranty conditions

Oysta Technology (and/or its authorised distributor) warrants this product as free of defects in material, design and workmanship for a 12 month period from the original date of purchase.

If, during the period of warranty, this product proves defective under normal use and service please contact Oysta Technology and/or its authorized distributor and one of our customer services team will be able to assist you. The liability of Oysta Technology and its authorised service distributor is limited to the cost of repair and/or replacement of the unit under warranty

1. The warranty is only valid upon presentation of the original invoice or sales slip giving the date of purchase, where purchased from, model, serial/IMEI number and product number. Oysta Technology reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the product.
2. Oysta Technology's obligations are limited to the repair of the defective part and, at its discretion, replacement of the product.
3. The warranty will not cover any repairs carried out by non Oysta Technology centres or damage caused by such repairs.
4. Repair or replacement under the terms of this warranty does not give right to extension to or a re-start of the period of warranty. Repair or direct replacement under the terms of this warranty may be carried out using parts or units with equivalent functionality but not necessarily identical ones.

pearl+ 14. Warranty conditions CONTINUED

5. The warranty is not applicable in cases other than defects in material, design and workmanship. The warranty does not cover the following:

- Periodic checks, maintenance, repair and replacement of parts due to normal wear and tear.
- Abuse or misuse, including but not solely limited to, the failure to use this product for its normal purposes or in accordance with Oysta Technology's instructions, usage and maintenance.
- Upgrading of software due to changes in network parameters.
- The product has been used with accessories not approved by Oysta Technology for use with this product.
- Failure of the product arising from incorrect installation or use not consistent with technical or safety standards in current force or failure to comply with product manual instructions.
- Accidents, acts of God or any cause beyond the control of Oysta Technology caused by lightning, water, fire, public disturbances and improper ventilation.

- Unauthorised modifications carried out on the product to comply with local or national technical standards in countries where the Oysta Technology product was not originally designed to be used.
- Damage of the battery caused by overcharging or failure to use in accordance with the specific instructions of care outlined in the product user guide.
- Repairs performed by non-authorized service centres such as opening of the product by a non-authorized person.
- The model, serial/IMEI number and product number on the product has been altered, deleted, removed or made illegible.
- The battery has been charged using an unapproved battery charger.
- Any of the seals on the battery enclosure or cells are broken or show evidence of tampering.

6. This warranty does not affect the consumer's statutory rights nor the consumer's rights against the vendor from their purchase/sales agreement. This warranty will be the purchaser's sole and exclusive remedy and neither Oysta Technology nor its subsidiaries or distributors, retailers or dealers shall be liable for any incidental or consequential damages for breach of any express or implied warranty to this product.



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