

wideyeTM

liberating communications

SEAGULL 5000

**SYSTEM USER
GUIDE BOOK
REV 1.0**

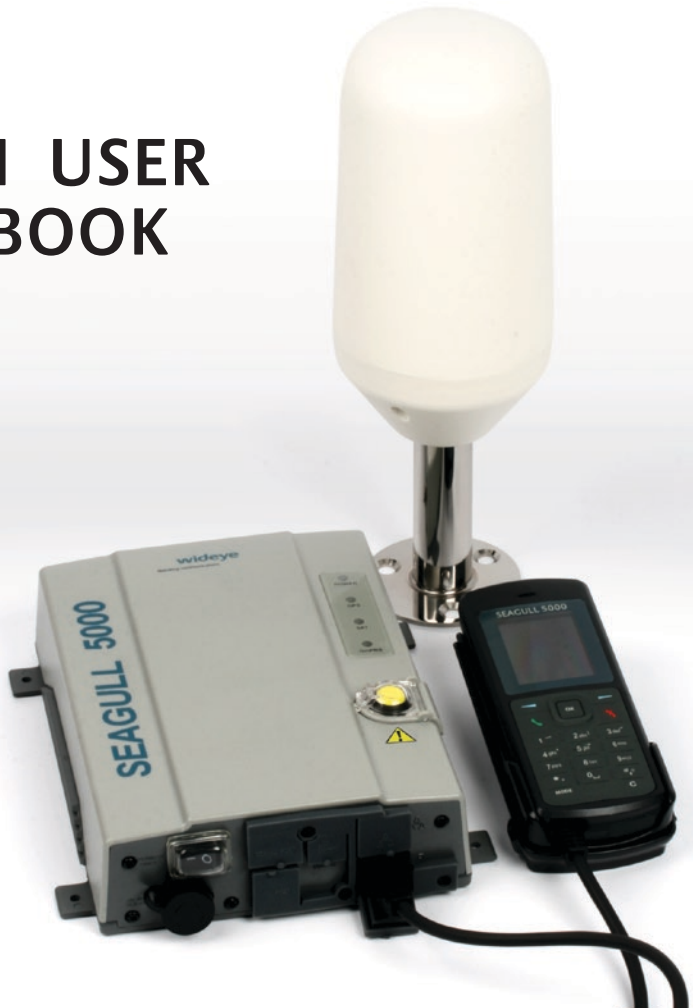


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Regulatory Information

EC Declaration of Conformity:

Addvalue Communications Pte Ltd, 28 Tai Seng Street #06-02 , Singapore 534106 declares under our sole responsibility that the Product, brand name as Wideye and model: **SEAGULL 5000** Maritime Satellite Phone and GPS Tracker to which this declaration relates, is in conformity with the following standards and/or other normative documents:

ETSI EN 301 681, ETSI EN 301 489-1, -19, - 20, IEC 60945 / EN 60945, IEC 60950-1 AND EN 60950-1, ITU-R M.1480

We hereby declare that all essential radio test suite have been carried out and that the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.

The Conformity Assessment procedure referred to Article 10 and detailed in Annex [III] or [IV] of Directive 1999/5/EC has been followed with involvement of the following notified body (ies):

TIMCO ENGINEERING, INC., P.O BOX 370, NEW BERRY, FLORIDA 32669.
Identification mark: 1177 (Notified Body number)

The technical documentation relevant to the above equipment are held at:

- Addvalue Communications Pte Ltd, 28 Tai Seng Street #06-02, Singapore 534106
- Signed by Mr. Tan Khai Pang (Chief Technology Officer, 17 November, 2009) and
- Mr. Prabakar Kuttaniseeri (Manager-Quality Engineering, 17 November, 2009).

Safety Summary

For the sake of safety and protection, please read the user guide before you attempt to use the Seagull 5000 system. In particular, read this safety section carefully. Keep this safety information where you can refer to it if necessary.

The following general safety precautions must be observed during all phases of operation, service and repair of this equipment. Failure to comply with these precautions or with specific warnings elsewhere in this user guide violates safety standards of design, manufacture and intended use of the equipment.

Addvalue Communications Pte Ltd assumes no liability for the customer's failure to comply with these requirements.

Antenna Radiation Warning

During transmission, the antenna in the system radiates high power levels of radio frequency. This radiation is considered health hazardous to any personnel that come very close to the antenna.

It is important to maintain a separation distance from the transmitting antenna to any personnel of at least 30cm.

Service

User access to the interior of the terminal is not allowed. Only a qualified personnel authorized by its manufacturer may perform service. Failure to comply with this rule will result in the warranty void.

Grounding and Antenna Cables

The terminal has a grounding stud to ground the terminal to the hull of the ship by using the ground cable.

The antenna cables are shielded and they should not be affected by any magnetic field. It is recommended to avoid the cables being installed in parallel with any AC wiring as it may possibly cause malfunction of the equipment.

Ship's Power Supply

The input voltage for Seagull 5000 System is 12V DC, 0.8A or 24V DC, 0.4A. It is recommended to use 24V DC power line, provided that it is available on the ship.

In case of unavailability of 24V DC power line provided by the ship, an external AC/DC power supply (115/230V AC to 24V DC) can be used.

Equipment Ventilation

To ensure adequate cooling of the terminal, 5-centimeter of unobstructed space must be maintained around all sides of the unit except the bottom side. The ambient temperature range of the terminal is: -10°C to +55°C.

The equipment shall not be operated in the presence of flammable gases or fumes as well as any explosive atmosphere. Operation of any electrical equipment in such an environment constitutes a definite safety hazard.

Obtaining Licensing For Seagull 5000 System

Under rights given under ITU Radio Regulations, local telecommunications administrations establish and enforce national rules and regulations governing types of emissions, power levels, and other parameters that affect the purity of signal, which may be radiated in the various frequency bands of the radio spectrum.

To legally operate the Seagull 5000 system, it is necessary to obtain permission from the local telecommunications regulatory authorities of the country you are operating from. Using your equipment in any country without permission causes you to run the risk of confiscation of the equipment by the local authorities. The normal procedure to bring such equipment into another country is to apply for a license before travel. If a license has not been obtained before travel, the equipment may be put in to storage by local authorities until such time license is obtained.

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SEAGULL 5000 user equipment (UE) is a very cost-competitive Thuraya Satellite-based communicator specially designed for reliable communications and tracking services on sea going vessels. Within Thuraya's satellite network footprint on earth which covers Europe, Africa, Middle East, Central Asia, East Asia, South East Asia, Australia and sea routes between these continents, this affordable and easy-to-install device allows users to make telephone calls to a Public Switch Telephone Network (PSTN) phone or a mobile phone through the Thuraya satellite network and its roaming service arrangements with over 230 telecommunication operators worldwide. Besides supporting SMS services through its very user-friendly color LCD handset, UE provides full-duplex IP-based data communication capabilities through the Thuraya GmPRS technology. These data communication capabilities, coupled with an onboard GPS receiver makes UE an ideal product for long range identification tracking services that is increasingly made mandatory for many a national maritime or fishery authorities.

It is an ideal communication solution for fishing boats, supply vessels, merchant fleets, yachts and leisure crafts. With (UE), users can make voice and data calls, connect to the Internet, send SMS while moving across waters, whether on motor or sailing boats, yachts or commercial vessels. In case of an emergency, Alert button is available to alert pre-configured contacts.

Features

Handset

- Basic circuit switched telephony functions and Short Message Services (SMS)
- Phone book retrieval from the SIM card
- Call log for most recent 5 missed, received and dialed calls with date and time stamps
- User friendly Menu driven graphical user interface supported by 65K color, 220 x 176 pixel, 2" TFT Liquid Crystal Display
- MMI in international English
- Back-lit key pad
- Hands free headset
- Wall mount cradle for the handset

Below Deck Unit (BDU)

- A alert button for sending an emergency alert to pre-configured contacts via SMS or GmPRS
- Support an external Alert button. (External alert button is optional)
- Support an external Mobile Terminal(MT) call alerter. (External alerter is optional)
- Support the following configurations
 - Sending Automatic Position Reports (APR)
 - Request for a position report (by the control centre)
 - Geo-fencing. Up to 10 polygon areas can be configured. An alert will be sent when entering and/or leaving a configured area
- GPS output in NMEA-0183 format through RS-232 interface. (Interface cable is optional)
- Over the air update of system configuration parameters

Operating environment

ADU	
Operating Temperature	-25°C ~ + 55°C
Storage Temperature	-40°C ~ + 80°C
BDU	
Operating Temperature	-10°C ~ + 55°C
Storage Temperature	-20°C ~ + 70°C
Handset	
Operating Temperature	-20°C ~ + 55°C
Storage Temperature	-30°C ~ + 70°C
System	
Power Supply	10.8 – 31.2VDC
Power consumption	10W
Operating Humidity	Up to 95% (non-condensing) at 40°C

Mechanical specifications








Size

BDU:	254mm x 155mm x 55mm
ADU:	95mm (Dia.) x 150mm(H)
Handset:	142mm x 56mm x 22mm
Handset cradle:	147mm x 65mm x 32mm

Weight

BDU:	1 kg
ADU:	300g
Handset:	390g
Handset cradle:	55g

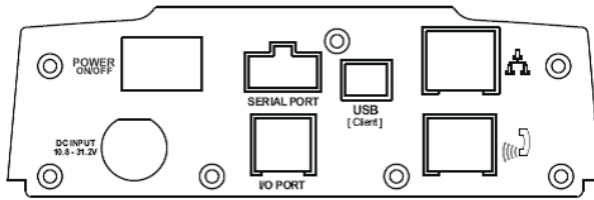
Packing list

<p>Below Deck Unit (BDU)</p>	
<p>Handset</p>	
<p>Handset wall mount cradle</p>	
<p>Passive antenna (ADU)</p>	
<p>Antenna mounting kit</p>	
<p>RF cable (5 meters) for GPS signal</p>	
<p>RF cable (5 meters) for Satellite signal</p>	

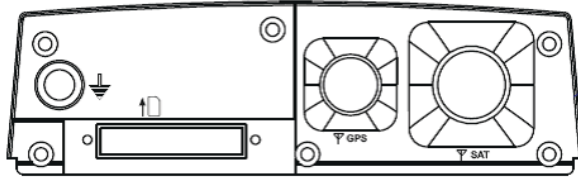
<p>Hands free headset</p>	 A black hands-free headset with a microphone and a 3.5mm audio jack.
<p>Power cable</p>	 A black power cable with a standard AC power plug on one end and a connector on the other.
<p>Grounding cable</p>	 A black grounding cable with a metal ring terminal on one end and a connector on the other.
<p>RJ45 Ethernet cable</p>	 A grey RJ45 Ethernet cable with standard RJ45 connectors on both ends.
<p>Starter Kit User Manual, quick Start guide and CD</p>	 A stack of documents including a user manual and a CD-ROM, all with the 'Walktype' logo.

BDU (Below Deck Unit)





FRONT VIEW



REAR VIEW

- SAT Port:** SAT ANT port is used for the physical connection - via an RF cable - between the passive satellite antenna (ADU) and below deck unit (BDU).
Note: The RF cable loss, including the losses in the connectors shall be less than 1.5dB

- GPS Port:** GPS ANT port is used for the physical connection between the GPS antenna and the below deck unit (BDU).





- DC INPUT:** Power input connector is used for connecting the external power source (10.8 ~ 31.2 volts) to the BDU

- POWER ON/OFF:** This is the system power On/Off switch

- SERIAL Port:** This is a 3 wires (TX, RX and ground) RS232 port. It is for GPS data output (NMEA-0183 format) via an optional cable

- USB [client]:** This port is for firmware upgrade.

- I/O PORT:** This is the interface for the external alert button (optional) and the external MT call alerter (optional)

-  : **Handset interface port.** Connect the handset to this port.
-  : **Ethernet port.** Connect the supplied RJ45 cable to this port for internet access via GmPRS.
-  : Grounding stud.
-  : SIM card slot.

ADU (Above Deck Unit)



The antenna unit has two RF (female) connectors at its base. One connector is the SAT signal port (N-type connector), and the other is the GPS signal port (SMA connector).

RF Cables: Two RF cables are included in the standard package. One is satellite RF cable and the other is GPS RF cable.

SAT RF cable: The SAT RF cable is 5 meters in length and is terminated with an N-type (male) connector at each end.

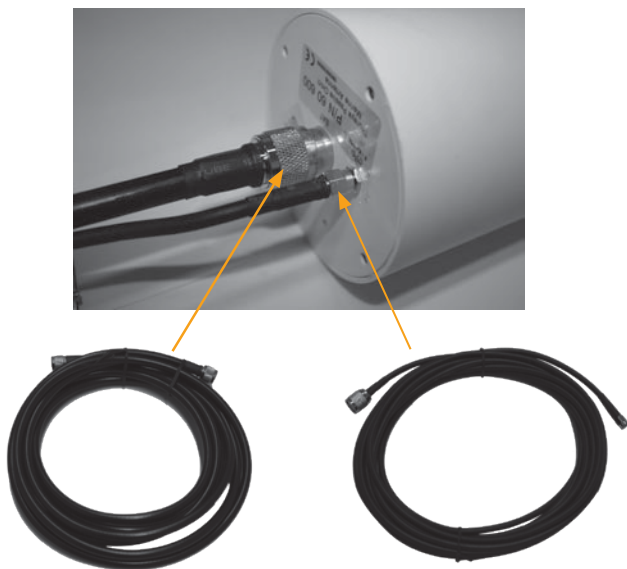
GPS RF cable: The GPS RF cable is 5 meters in length and is terminated with one SMA (male) connector and one TNC (male) connector.

2 Installation

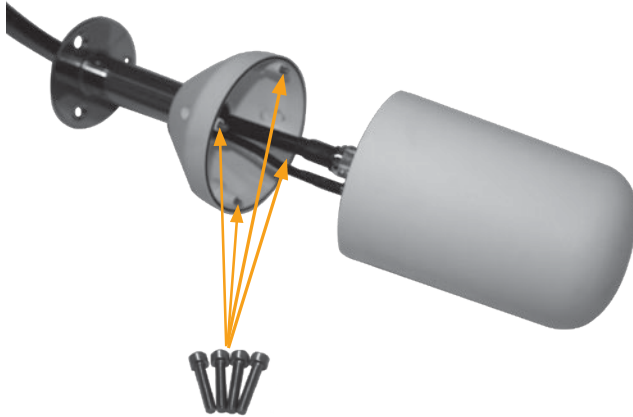
Overview of installation of ADU and BDU.

Installation of ADU

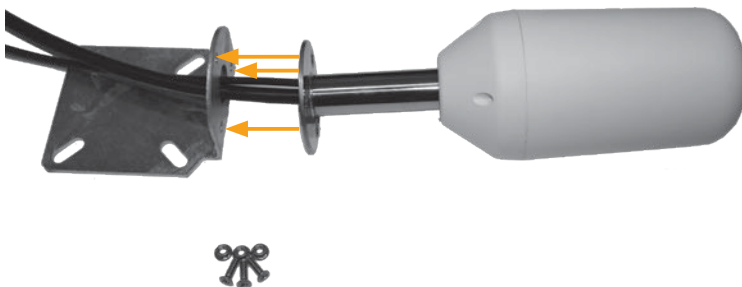
1. Select an ideal location above the deck where you desire to place your ADU. It is recommended to install it at a point where no surrounding obstacles should obstruct the open sky view to the ADU. The ADU is designed to operate within a temperature range from -25°C to +55°C.
2. Pass the RF cables (SAT & GPS) through the ADU bottom cover and the mounting pipe. Connect the SAT RF cable between the SAT ports of the ADU and BDU. Connect the GPS RF cable between the GPS ports of the ADU and the BDU. The SMA connector must be connected to the ADU, and the TNC connector must be connected to the GPS port of the BDU. Make sure the connections are securely fastened.



3. After tightening the connectors, wrap the connectors with self-bonding vinyl tape or apply silicon sealant to make them waterproof.
4. Fix the O-ring securely in to the groove on the bottom cover.
5. Fasten the bottom cover onto the antenna unit using the 4 screws.



6. Use the U-bolts and the mounting bracket to fix the assembled ADU on to the vessel's mounting pole. Tighten the nuts and make sure they will not become loose.
7. Fix the cables to the mounting pole with cable tie.
8. Connect and tighten the RF connectors of SAT and GPS RF cables to the BDU.



A complete ADU with pole-mount mounting plate and cables.



A typical pole mounted ADU.



The ADU can be installed on a rooftop with 3 screws and nuts.



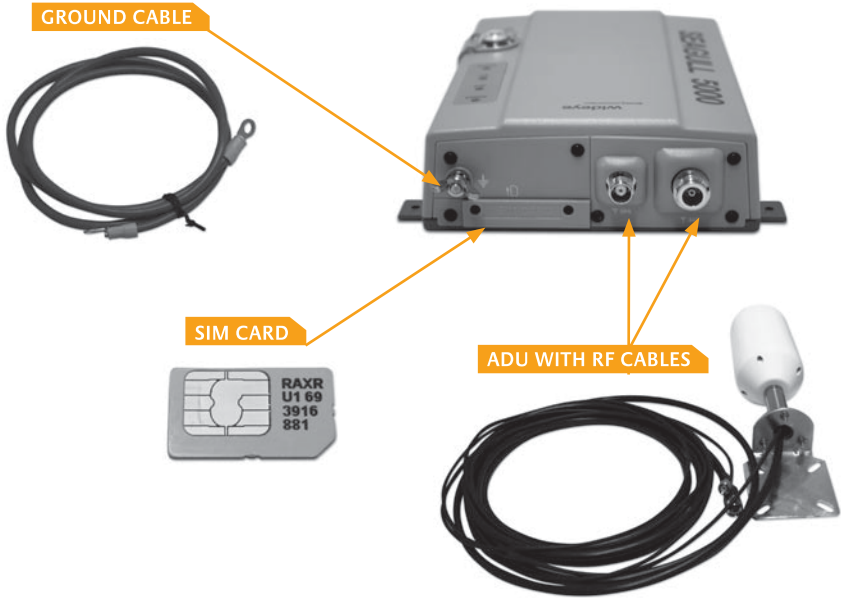
Installation of BDU

1. Select an ideal location inside the wheelhouse or cabin room where you desire to place your Below Deck Unit. The BDU is designed to operate in rooms with a temperature range from -10°C to $+55^{\circ}\text{C}$.
2. Mount your BDU onto a wall or place it on a desk or tabletop.

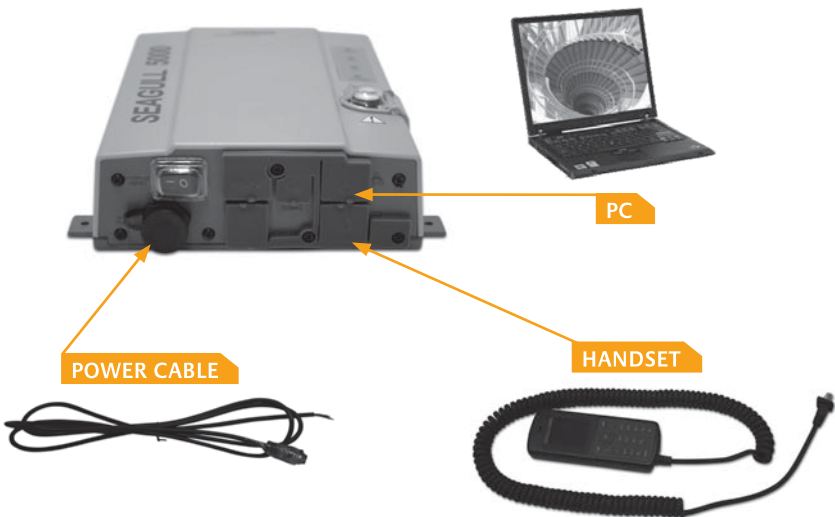


BDU Configuration/ Connecting Up

BDU BACK PANEL



BDU FRONT PANEL



Getting Started

Before proceeding, please refer to chapter 2 and install the Seagull system and connect all the cables accordingly.

Installing the SIM card

The Seagull system requires a SIM card to access the satellite network and configure the settings of the BDU. Please refer to your Airtime Service Provider for more information.

Follow these steps to install the SIM card:

1. Remove the screw that is securing SIM card cover.
2. Remove SIM card cover.



SIM card slot

3. Keep SIM card cover and screw in a safe location.
4. With the SIM card's gold contact facing up, position the card as indicated and slide it into the slot.
5. You may use a screwdriver or any pointed object to push the SIM card if required.
6. Install the SIM card cover.
7. Fix the screw to secure the SIM card cover.



SIM card cover
is secured by
the screws

Connecting ADU

Two RF cables (5 meters each) are provided for connecting ADU & BDU.

Follow these steps to connect the antenna cables to the BDU:

1. Plug the 2 RF cables to the RF cable connectors on the BDU.
2. Lock the connector till it is properly secured to the BDU.



Connecting to DC Power Source

Follow these steps to connect the SEAGULL 5000 BDU to the ship's power source:

1. Connect the power cable plug to the BDU's black DC power socket.



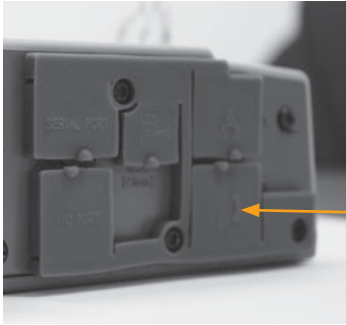
2. Connect the power cable to a DC power source (10.8V-31.2V).

Connecting the Handset

Note:

The Handset is powered form the BDU through Handset Interface cable.

1. Plug in the Handset connector to the handset interface port in BDU.



Handset Interface Port

Powering Up the SEAGULL 5000

Follow these steps to power ON the SEAGULL 5000


1. Tip the Power On/Off Switch to the left.



Power On/Off switch

Making the first voice call

Note:

To make a call, the SEAGULL 5000 system must be connected to the satellite network with an adequate signal strength of at least 4 bars at Setup page of the Web Console or on the Handset  signal strength sub-menu.



When both SAT LED and the GPS LED are lighted steady green, you are ready to make or receive the first voice call.

To make a call from the Handset, dial

+<country code><phone number> followed by the  key.

Note:

For international calls and SMS, press and hold the * key until '+' is displayed, then enter <country code> and <phone number> without using the leading "00".

To end the call, press  on the Handset.

To accept an incoming call, press  on the Handset.

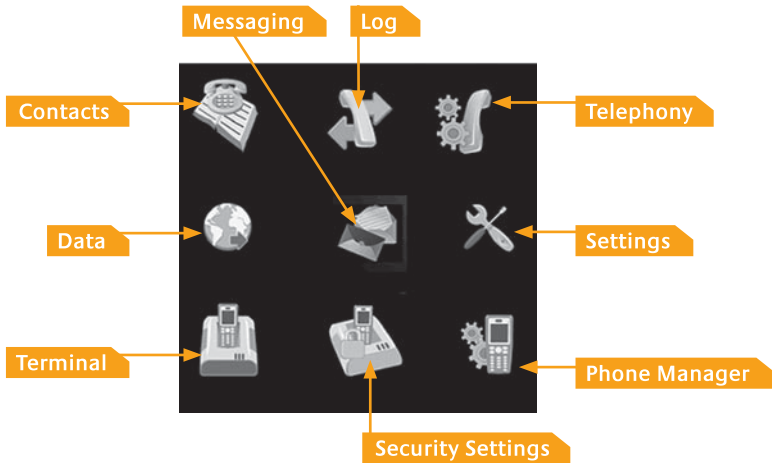
Sending the first SMS (Message)



Follow these steps to send the first SMS:

1. Press  or  to select Menu.




The Menu selection screen will be displayed on the handset screen.




3. Using the 4-way navigation ring, navigate to the Messaging  icon.
4. Press  to confirm selection.
The SMS editor will be displayed on the Handset screen.
5. Type in your SMS message using the Handset alpha-numeric keypad.

Tips for writing text:

- To add a space, press the **0** key.
- To quickly change the text input method when writing text, press  repeatedly and check the indicator at the top of the display:
 - **<ABC>**: Capital letters
 - **<123>**: Numbers
 - **<abc>**: Small letters
 - **<Abc>**: Initial Capital letter followed by small letters
- To add a number, press and hold the desired number key.

Insert symbols to your message:

- To get a list of special symbols, press *** +**.
- Using the 4-way navigational ring, navigate to the desired symbol.
- Press  to confirm selection.

Clearing text:

- To clear text, press **C** once to clear one character at a time.
- To clear the whole text entry, press and hold **C** to clear the whole text entry.

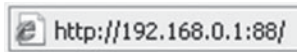
Connecting to the Internet

Note:

For the LAN (Local Area Network) interface to work without any further setup, the computer must be set up to obtain an IP address and a DNS server address automatically.

Follow these steps to connect a computer to the SEAGULL 5000 BDU:

1. Connect LAN cable between the network connector on computer and the LAN port on the SEAGULL 5000.
2. Power up your computer.
3. Start Internet browser.
4. Type `http://192.168.0.1:88` in the Address field and press Enter.



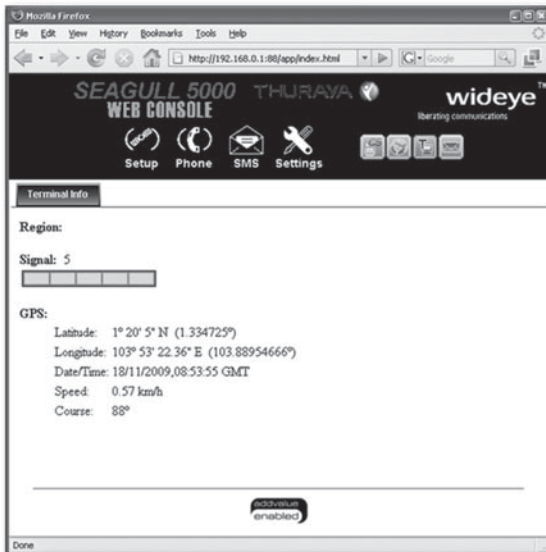
5. Type in **admin** in the **Username** field and **admin** in the **Password** field. Click **Login** button.

Username:

Password:

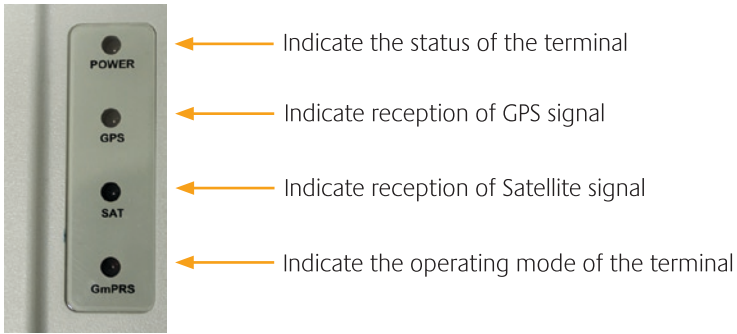
addvalue enabled

The SEAGULL 5000 Web Console will open. The terminal will proceed automatically to Register to the network.



LED visual indications

There are 4 LEDs on the BDU to provide visual status indications:



Power LED

LED behavior	Status
Off	BDU is in power-off state.
Red and green alternately Blinking	BDU is booting up.
Blinking green (heartbeat)	BDU has boot-up successfully and ready for use.
Steady red	System failure during boot-up or operation. User action required.

GPS LED

LED behavior	Status
Blinking red	No GPS antenna detected.
Blinking green	Acquiring GPS fix.
Steady green	GPS fix acquired.
Steady red	Failure in GPS. User action required.

SAT LED

LED behavior	Status
Blinking orange	SATCOM module is initializing.
Steady orange	Registering to the Network.
Steady green	SATCOM module is Registered to the Network.
Blinking green	CS call in progress.
Steady red	System failure. User action required.

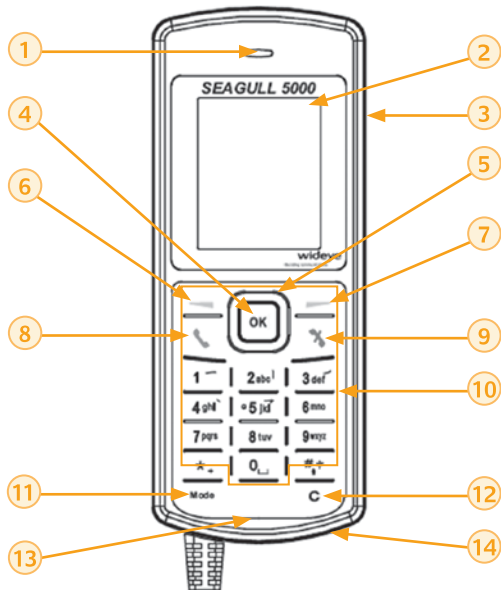
GmPRS LED

LED behavior	Status
Steady green	<ul style="list-style-type: none">• GmPRS only mode.• GmPRS + GmPRS tracking mode.
Off	<ul style="list-style-type: none">• Phone mode.• Phone + SMS tracking mode.• Configured for GmPRS and waiting to start the connection setup.
Blinking green	GmPRS connection setup in progress. Try not to make an outgoing call.

Using the Handset

Handset








The handset is connected to the UE via the dedicated Handset interface port and is powered directly from the SEAGULL 5000 BDU. You can use the Handset to make and receive voice calls, send and receive short messages (SMS), control and configure the settings in SEAGULL 5000.



1. Earpiece
2. Display
3. Hands-free headset jack
4. OK key
5. 4-way navigation ring
6. Select key (Left)
7. Select key (Right)
8. Call/Answer key
9. Call/Menu End key
10. Keypad (Alpha-numeric)
11. MODE key
12. Clear key
13. Microphone
14. Service Port
15. Ringer*

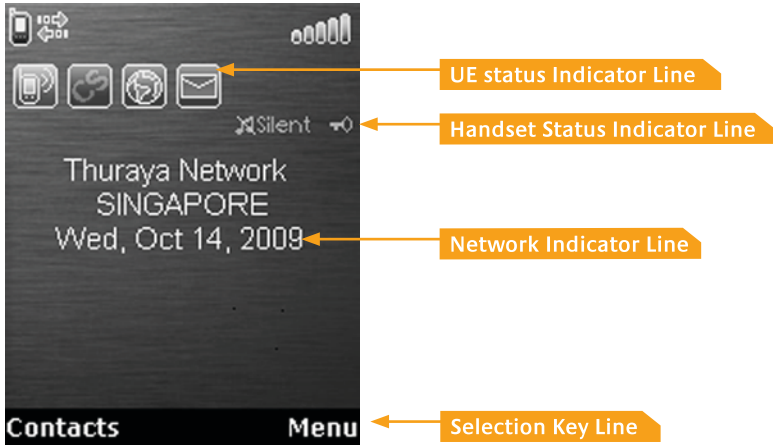
*The Ringer is located at the back of the Handset.

Keypad - Description and Functions

Keys	Description/Functions
	<p>4-way navigation ring.</p> <p>Press the 4-way navigation ring to scroll left, right, up, and down on the display. Enables scrolling through names, phone numbers, menus or settings.</p>
	<p>OK key.</p> <p>Pressing this key selects/confirms the function highlighted on the display.</p>
	<p>Left selection key.</p> <p>The function of this key depends on the guiding text shown on the display above the key.</p>
	<p>Right selection key.</p> <p>The function of this key depends on the guiding text shown on the display above the key.</p>
	<p>Call/Answer key.</p> <p>After entering a phone number: Initiates a call to the number.</p> <p>From Main Display screen: Opens a list of dialed calls</p> <p>When Ringing: Answers the incoming call.</p>
	<p>Call/Menu End key.</p> <p>Press this key to end active calls or exits from any menus or sub menus.</p>
	<p>Keypad.</p> <p>Used to enter numbers and characters. Press 0 to add a space when writing text.</p> <p>The functions available depend on whether you are typing a phone number (number mode) or text (text mode).</p>

Keys	Description/Functions
* +	<p>Star * key.</p> <p>When entering a phone number, press this key to insert a *. Press and hold this key to insert a +.</p> <p>When writing text, press this key to access a list of special symbols.</p>
# ↕	<p>Hash # key.</p> <p>When entering a phone number, press this key to insert a #.</p> <p>To quickly change the text input method when writing text, press this key repeatedly and check the indicator at the top of the display</p> <p>In standby mode, press and hold this key to set the Handset into silent mode.</p>
MODE	<p>MODE key.</p> <p>Shortcut key to select the UE operating mode in Main Display screen.</p>
C	<p>Clear text.</p> <p>Press key once to clear one character at a time or press and hold this key to clear the whole text entry.</p>









The Main Display Screen







- **UE Status Indicator line**
The indicator line shows status symbols informing you about the operating conditions of the UE.
- **Handset Status Indicator line**
The indicator line shows status symbols informing you about the operating conditions of the Handset.
- **Network Indicator line**
The indicator line shows the registration status and region information of the UE.
- **Selection Key line**
The Selection key line operates using the Left ◀ or Right ▶ selection keys with the **OK** to access menus and controls.

Handset Status Indicators

Tables below explain the meaning of each status indicator displayed in the Main Display screen.

Status Indicator	Description
	Signal strength indicator.
	New short message (SMS) in inbox.
	Available GmPRS domain services.
	Available CS (voice) domain services.
	Handset keypad lock is active.
	Handset disconnected from terminal.
	Handset connected to terminal.
	Handset in silent mode.

UE Operating modes:

Status Indicator	Description
	Phone only
	GmPRS only
	GmPRS and GmPRS tracking
	Phone and SMS tracking

UE Operating Modes

The UE can be configured to operate in the following modes:





- **Phone only**
Voice centric operating mode. You can make / receive voice call or send / receive SMS in this mode when  icon is on.
- **GmPRS only**
Data centric operating mode. You can browse Internet in this mode when  icon is on.
- **GmPRS and GmPRS tracking**
Data centric operating mode. You can browse Internet in this mode with GmPRS (Internet) based tracking enabled when  icon is on.
- **Phone and SMS tracking**
Voice centric operating mode. You can make / receive voice call or send / receive SMS with SMS based tracking enabled when  icon is on.

Table below summarizes different functionalities of the UE enabled in each operating mode:

Operating Mode	Voice Call	SMS	Internet (GmPRS)	Tracking		Alert Button
				GmPRS	SMS	
Phone only	√	√				
GmPRS only	*		√			
GmPRS and GmPRS tracking	*		√	√		√
Phone and SMS tracking	√	√			√	√

Note:

(*) It is possible to make / receive voice calls in this mode but such operation is not recommended.

The **MODE** key can also be used as a shortcut key to select UE operating modes when the Main Display screen is displayed.

The UE operating modes available for configuration depends on the setting of the tracking mode under GPS reporting. *GmPRS and GmPRS tracking* operating mode is not available for selection if tracking mode is set to SMS and similarly *Phone and SMS tracking operating mode* is not available for selection if tracking mode is set to GmPRS.

Note:

On the Handset:

- **GmPRS and GmPRS tracking is displayed as GmPRS & Tracking.**
- **Phone and SMS tracking is displayed as Phone & Tracking.**

Making a Voice Call

Note:

Before making a voice call, please make sure that:

- The Handset is connected to the UE (📶 status indicator should be on)
- The UE is registered for CS(Voice) service (📶 status indicator should be on)
- The UE is set to operate in *Phone only* (📞) or *Phone and SMS tracking* (📞📧) mode

You can use the following two options for making a voice call:

• Manual Dial

1. Using the alpha-numeric keypad, dial **00 <country code> <phone number>**.
2. Press 📞 key.

• Using Contacts or Call Log list from the Handset.

- Enter the Contacts list of the Handset; scroll to the desired number and press 📞 key, or
- Enter the Log list of the Handset; scroll to the desired number and press 📞 key.

Note:

For voice calls and SMS, you may also use '+' by pressing and holding the * + key instead of "00" at the beginning of dialed number string as an alternative ('+' <country code> <phone number>).

To End a Voice Call

1. Press 📞.

Receiving a call

When there is an incoming call, the Handset will:

- Ring.
- The calling party's number will be displayed on the screen.
If the number is stored in the contacts, the corresponding name of contact will be displayed.

To answer an incoming call, press the 📞 key.

Adjusting volume during a call

Use the 4-way navigation ring (📶) to adjust the volume.



Using the Menus

You can access the Menu System by pressing the Right  selection key in the Main Display screen.

The main menu of the Handset includes nine (9) menu options with each menu option having their respective sub-menus.













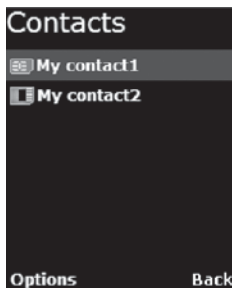
You can use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection. You can also end the menu or sub menus and return to the Main Display screen at any time by pressing the  key.

Table below summarizes the functionalities within each menu option:

	Contacts This menu manages your user contacts.
	Log This menu allows you to view call histories.
	Telephony This menu configures settings related to voice telephony services.
	Data This menu allows you to define APN and view data volume for GmPRS data services
	Messaging This menu is for SMS related services.
	Settings This menu configures general UE settings.
	Terminal This menu displays general UE information.
	Security settings This menu configures security settings related to the UE.
	Phone manager This menu configures local handset settings.



Contacts Menu



The **Contacts** menu allows you to store, retrieve and update names and phone numbers of your contacts. You can also access this menu by pressing Left  selection key in Main Display screen.

Note:

All the contacts are saved in the SIM card memory.

The following options are available when pressing the Left  selection key while browsing through the contacts:

- **New contact**

Add new contact to the memory. To add contact:

1. Select **New contact**.
2. Enter the name for the contact.

Note:

Press * + key to browse for symbols.

3. Enter the name for the contact.



Note:

Stored number can be in any one of the following formats:

- '+' <country code> <phone number>
- 00 <country code> <phone number>

Press * + key to insert '+' sign.

Saving of contact without number is not allowed.

4. Select **Save** (Left  selection key) or pressing the  key to save the contact to the selected memory.

Note:

Refer to “Tips for writing text” section under *New message* for more information on text writing.

- **Edit contact**

Edit selected contact.

- **Call**

Call selected contact.

- **Search**



Select this to enter a specific name to search within the contact list.

- **Delete**
Delete selected contact.

Note:

You can also delete the selected contact by pressing the Clear **C** key.

- **View number**
Display the number of the selected contact.
- **Assign Speed Dial**
Add the selected contact to the speed dial list.
- **Reload Contacts**
Select this to reload contacts from the SIM card into the local memory of the Handset.
- **Memory Status**
Select this to view the memory status of the contacts.

While browsing through the contact list, press the  key to view the phone name and number or the selected contact. The following options are available when pressing the Left  selection key while viewing the selected contact:

- **Call**
Make a voice call to this contact.
- **Send message**
Open the SMS editor to send a text message to this contact.

Note:

You can only send a message when the UE is operating in *Phone only* or *Phone and SMS tracking* mode.

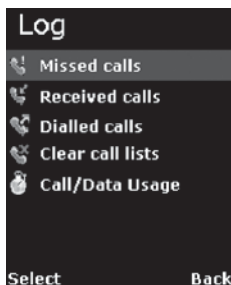
- **Edit contact**
Edit information of this contact.
- **Delete**
Delete this contact.
- **Forward contact**
Forward information of this contact using SMS.
- **Assign Speed Dial**
Add this contact to the speed dial list.

Note:

You can also make a voice call to the selected contact when browsing through or viewing the contacts by pressing the Call  key.



Log Menu



The **Log** menu allows you to view historical information about phone calls and data usage in chronological order with the following sub menus:



Missed calls



Received calls




Dialed calls

Call history of a particular category is displayed in chronological order when selected. Up to 5 latest entries of each category can be saved.

The following options are available when pressing the Left  selection key while browsing through or viewing the call log:

- **Delete**
Delete the selected log entry from the list.
- **Note:**
You can also delete the entry by pressing the Clear **C key.**
- **Call**
Call the number in the selected log entry.
- **Send**
Send an SMS to the number in the selected log entry.
- **Save**
Save the number from the selected log entry to the contact list.

Note:
This option is not available when the log entry already has an entry in the contact list.

Note:
You can also make a voice call to the number of the selected log entry when browsing through or viewing the call log by pressing the Call  key.



Clear call lists


Select this to clear the call log entries. Available log options are:

- **Missed calls**
- **Received calls**
- **Dialled calls**
- **All calls**


Delete all logs including **Missed**, **Received** and **Dialled** logs.



Call/Data usage


Show the accumulated call and data usage. Press Left  selection key to clear the call or data usage.

- **Total call**

Show the accumulated call duration. You can view the break down of the calls by pressing the  key:

- **Received calls**
Total call duration for received calls
- **Dialled calls**
Total call duration for dialled calls

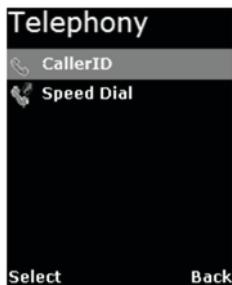
- **Total data**

Show the accumulated GmPRS data volume. You can view the break down of the data volume by pressing the  key:

- **Uploaded**
Total uploaded volume in bytes
- **Downloaded**
Total downloaded volume in bytes



Telephony Menu



The **Telephony** menu allows you to configure telephony related settings with the following sub menus:







Caller ID

Contain options to enable/disable the display of Caller ID.



Speed dial

- **Setting**
Contain options to enable/disable the speed dial feature.
- **Speed Dial List**
Select this to configure the speed dial list. The following options are available when pressing the Left  selection key while browsing through the list:
- **Assign**
Assign a contact to the selected entry. To assign a contact:
 1. Select **Speed Dial List**.
 2. Browse through the list to locate an empty entry.
 3. Select **Options** by pressing Left  selection key.
 4. Select **Assign** and press  from the option.
 5. Select the desired contact to assign to the speed dial list.
 6. Press  to confirm your selection.
- **Delete**
Remove a contact from the selected entry. This option is not available for an empty entry.


Note:

You can also delete the entry by pressing the Clear **C** key.

- **Call**

Make a call using the number from the selected entry. This option is not available for an empty entry.

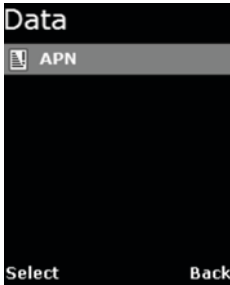
Note:

You can also make a voice call to the number of the selected entry by pressing the Call  key.

You can make a voice call directly from the Main Display screen by pressing the corresponding speed dial entry number + Call  key once the speed dial feature is enabled with a valid contact entry.



Data Menu



The **Data** menu provides the following sub menus to view or configure settings related to GmPRS:

APN

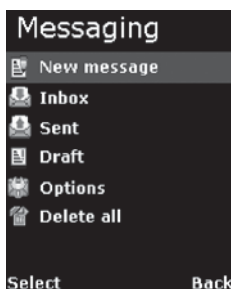
This menu allows you to view or change the APN settings for GmPRS connection.

Note:

When authentication is enabled, this sub menu is tracking password protected and no change of setting is allowed unless the correct password is entered.



Messaging Menu



The **Messaging** menu allows the user to write new messages, view stored messages from **Inbox**, **Drafts** and/or **Sent** folders and configure settings related to SMS with the following sub menus:



New Message

Select this to create and send a new message.

Note:

You can only send messages when the UE is operating in *Phone only* or *Phone and SMS tracking* mode.

To create a new message:

1. Select **New Message** by pressing the **OK** key. The SMS editor will be displayed on the Handset screen for writing new message.
2. Type in your SMS message using the alpha-numeric keypad.
3. To send the message, press the **OK** key and select **Send**.
4. Enter the recipient's phone number, and press the **OK** key. Alternatively you can select Search by pressing the Left **◀** selection key to select the phone number from the contacts.

Options:



You can press the Left **◀** selection key to select options available when writing the message.

- **Send**
Select this when you are ready to send your message.
- **Save**
Select this to save the message into the **draft** folder.
- **Clear screen**
Select this to clear all the written text.

Tips for writing text:

- Press the **0** key to add a space.
- To quickly change the text input mode when writing text, press **#** key repeatedly and check the indicator at the top of the display:
 - **<ABC>**: Capital letters
 - **<123>**: Numbers
 - **<abc>**: Small letters
 - **<Abc>**: Initial Capital letter followed by small letters
- To add a number in alphabet mode, press and hold the desired number key.


Inserting symbols to your message:

- To get a list of special symbols, press the *** + .** key.
- Using the 4-way navigation ring , navigate to the desired symbol.
- Press  to confirm the selection.

Clearing text:

- To clear text, press **C** once to clear one character at a time.
- To clear the whole text entry, press and hold **C** to clear the whole text entry.

Inbox

Contain new/opened text messages that you have received. When browsing through the messages list using the 4-way navigation  ring,




Indicates unread (new) messages and



Indicates read (opened) text messages.

Following are the available options when pressing the Left  selection key while browsing through or viewing the messages in this folder:

- **Open**
Open selected message. You can also press  while browsing through the message list to open the selected message (This option is not available when viewing the message).
- **Reply**
Select this to reply to the selected message sender.

Note:

You can only reply to messages when the UE is operating in *Phone only* or *Phone and SMS tracking* mode.

- **Delete**
Delete the selected message.

Note:

You can also delete the selected message by pressing the Clear **C key.**


- **Forward**
Forward this message to another recipient.

Note:

You can only forward messages when the UE is operating in *Phone only* or *Phone and SMS tracking* mode.


- **Call**
Make a voice call to the selected message sender.
- **Save**
Save the selected message into the Draft folder.
- **Details**
Display the details of the selected message.
- **Add to contact**
Select this to add the phone number of the selected message into the contact list.


Note:

You can also make a voice call to the selected message contact when browsing through the messages list by pressing the Call  key.



Sent

Contains the text messages you have sent. Following are the available options when pressing the Left  selection key while browsing through or viewing the messages in this folder:

- **Open**
Open the selected message. You can also press  while browsing through the message list to open the selected message (This option is not available when viewing the message).
- **Delete**
Delete the selected message.

Note:

You can also delete the selected message by pressing the Clear  key.


- **Send**
Send the selected message to another recipient.

Note:


You can only send a message when the UE is operating in *Phone only* or *Phone and SMS tracking* mode.


- **Save**
Save the selected message into the Draft folder.
- **Add to contact**
Select this to add the phone number of the selected message into the contact list.

Note:

You can also make a voice call to the selected message contact when browsing through the message list by pressing the Call  key.

 **Draft**

Contain text messages that you have saved. Following are the available options when pressing the Left  selection key while browsing through or viewing the messages in this folder:

- **Open**
Open the selected message. You can also press  while browsing through the message list to open the selected message (This option is not available when viewing the message).
- **Delete**
Delete the selected message.

Note:

You can also delete the selected message by pressing the Clear **C** key.


- **Send**
Send this message to another recipient.

Note:

You can only send a message when the UE is operating in *Phone only* or *Phone and SMS tracking mode*.

- **Save**
Save the selected message into the Draft folder.
- **Add to contact**
Select this to add the phone number of the (selected message into the contact list.

Note:

You can also make a voice call to the selected message contact when browsing through the message list by pressing the Call  key.

 **Options**

The following settings are available in this sub menu:

- **Message Centre**
Select this to set the number of the SMS service center.
- **Save sent msg**
Select this to enable or disable the saving of sent messages. When this option is enabled, all successfully sent messages are saved in the **Sent** folder.
- **Memory status**
Select this to view the memory status of the messages.
- **Reload Messages**
Select this to reload messages from the UE into the local memory of the Handset.



Delete all

Select this to clear the messages in a particular folder. Available folder options are:

- **All messages**
Delete messages in all folders including **Inbox**, **Sent** and **Draft**.
- **Inbox**
- **Sent**
- **Draft**



Settings Menu



The **Settings** menu provides the following sub menus to configure the UE:



Operating mode

Select this to view or change the operating mode of the UE.

Note:

When authentication is enabled, this sub menu is tracking password protected and no change of setting is allowed unless the correct password is entered.



GPS reporting

Select this to view or change settings related to GPS reporting. The following settings are available in this sub menu:

- **Unit ID**
Unit ID for the UE. This unit ID is used for tracking and cannot be changed.
- **Mode**
Tracking mode for the GPS reporting. The following options are available for selection:
 - **SMS**
When set to SMS mode, GPS reporting message is sent as an SMS to the phone number of the target server specified in **SMS Number**.
 - **GmPRS**
When set to GmPRS mode, GPS reporting message is sent as an IP based packet to the IP address and port number of the target server specified in **Server IP Address** and **Server Port Number**.

- **Timing Freq. (sec)**
Time based triggering for GPS reporting in second (s). The UE sends GPS reporting message to the target server whenever the specified time has elapsed since last reporting. Set to 0 to disable this option.
- **Distance Interval**
Distance based triggering for GPS reporting in meter (m). The UE sends GPS reporting message to the target server whenever the UE has traveled more than the specified distance since the last reporting. Set to 0 to disable this option.
- **SMS Number**
Phone number of the target server to receive the reporting message when the UE is operating in *Phone and SMS tracking* mode.
- **Server IP Address**
IP address of the target server to receive the reporting message when the UE is operating in *GmPRS and GmPRS tracking* mode.
- **Server Port Number**
Port number of the target server to receive the reporting message when the UE is operating in *GmPRS and GmPRS tracking* mode.
- **Server Connection**
Connection type of the target server to receive the reporting message when the UE is operating in *GmPRS and GmPRS tracking* mode

Note:

Tracking feature is automatically disabled whenever both the time and distance based trigger options are disabled.

When both are enabled, GPS reporting message is sent to the target server when either time or distance based triggering condition is first met. Both triggering conditions are then restarted.

When authentication is enabled, this sub menu is tracking password protected and no change of setting is allowed unless the correct password is entered.

You can edit the selected reporting option by pressing the Left  selection key.



Alarm

Select this to configure settings related to different types of alarm messages. The following settings are available in this sub menu:

- **Speed limit**

Select this to view or change the speed limit of the UE in kilometer per hour (km/h). The UE sends a speed alarm message to the target server once the speed limit is breached.

- **Alert button**

Select this to configure settings related to Alert button. The UE sends a predefined emergency text message with GPS coordinates to the target server once the Alert button is pressed.

Note:

When tracking mode is set to GmPRS, the emergency message is sent to the target server's IP address and port number. The UE operates in *GmPRS and GmPRS tracking mode* thereafter.

When tracking mode is set to SMS, the emergency message is sent to the target server's SMS phone number and those set in the emergency number list. The UE operates in *Phone and SMS tracking mode* thereafter.

The following settings are available by pressing the Left  selection key:

- **Emergency num**

Allow you to configure up to three SMS phone numbers to receive the emergency text message when Alert button is pressed.

- **Emergency text**

Allow you to configure the text of the emergency message.

- **External**


Allow you to enable or disable the external Alert button.

Note:

When authentication is enabled, this sub menu is tracking password protected and no change of setting is allowed unless the correct password is entered.

Geo-fencing

Select this to view or change settings related to Geo-fencing. The UE sends an alarm message to the target server whenever the fencing boundary is crossed.

You are allowed to setup up to ten entries of polygon areas. You can configure the selected fencing area by pressing the Left  selection key while browsing through the entries. The following settings are available when a fencing area is selected:

- **Fence Type**

Allow you to set the type of fencing. The following options are available:

- **Circle**
- **Rectangle**
- **Polygon**

- **Trigger Type**

Allow you to set the type of triggering. The following options are available:

- **In**
UE sends an alarm message whenever the UE enters the selected polygon area.
- **Out**
UE sends an alarm message whenever the UE enters the selected polygon area.
- **In/Out**
UE sends an alarm message whenever the UE enters or exits the selected polygon area.

- **Status**

Select this to enable or disable the selected polygon area.

- **Radius**

Allow you to set the radius in meter (m). Only shown when fencing type is Circle.

- **Latitude [x]**

Allow you to set the latitude of point [x] in [ddmm.mmmm] format.

- **Longitude [x]**

Allow you to set the longitude of point [x] in [dddmm.mmmm] format.

Note:

[x] Denotes the running point number setting that varies from 0 to 9 that is shown depending on the selected fencing type.

Each point of the fencing area is defined using latitude and longitude GPS coordinates. Number of point for setting up the fencing area varies depending on the selected fencing type. Table below summarizes number of points required for each fencing type:

Fencing Type	Number of points required	Remarks
Circle	1	Together with the Radius , this point mark as the center point of the circle fencing area.
Rectangle	2	These two points mark as the diagonal points of a rectangle fencing area.
Polygon	Up to 10	For any arbitrary polygons.

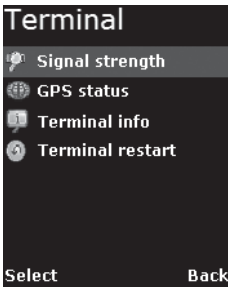
Note:
When authentication is enabled, this sub menu is tracking password protected and no change of setting is allowed unless the correct password is entered.

 **External Buzzer**

Select this to enable or disable the external buzzer.



Terminal Menu



The **Terminal** menu provides the following sub menus to check for information and perform restart on the UE:



Signal strength

Show graphical representation of current and average RSSI values.



GPS status

Show the status of the GPS.



Terminal Info

Display a list of information of the UE.

- **Model**
Product model ID of the UE
- **Serial number**
Serial number of the UE
- **Software version**
Software version of the UE
- **Hardware version**
Hardware version of the UE
- **Thuraya module**
Version of the Thuraya module in the UE
- **GPS module version**
Version of the GPS module in the UE

- **IMSI number**
IMSI number of the SIM card
- **IMEI number**
IMEI number of the UE
- **Own number**
The telephone number of the SIM



Terminal restart

Soft restarting the UE.

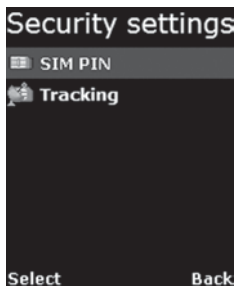


Factory reset

Perform factory reset on the UE. You are required to key in the password when performing the reset.



Security Settings Menu



The **Security Settings** menu provides the following sub menus to configure the security settings of the UE using different PIN:



SIM PIN

Select this to configure security settings related to SIM PIN. You can enable, disable and change the SIM PIN in this sub menu.

- **Enable**

Enable the SIM PIN. You will be asked to key in the existing PIN (or default PIN if it has not been changed) before the PIN can be enabled. The default PIN depends on your SIM card. Consult your equipment distributor if necessary.

Note:

You have to enter the PUK (PIN Unblocking Key) to access the SIM card if a wrong PIN for SIM PIN and SIM PIN2 has been entered for three times. You will be asked to enter the new PIN code once you have entered the correct PUK. However, the SIM card is no longer usable if you have entered wrong PUK for 10 times.

- **Disable**

Disable the SIM PIN. You will be asked to key in the existing PIN (or default PIN if it has not been changed) before the PIN can be disabled.

- **Change**

Change the PIN to a new one. You will be asked to key in the existing PIN (or default PIN if it has not been changed) before the PIN can be changed.


Note:

PIN has to be enabled before it can be changed.



Tracking

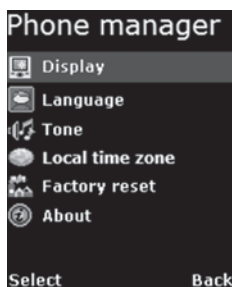
Select this to configure authentication settings related to tracking. All settings related to tracking need to be authenticated with the correct password before they can be changed once authentication is enabled.

Following options are available when pressing the Left  selection key:

- **Enable**
Enable the authentication. This option is shown only when authentication is disabled. You will be asked to key in the existing password (or default password if it has not been changed) before the authentication can be enabled. The default password is 000000.
- **Disable**
Disable the authentication. This option is shown only when authentication is enabled. You will be asked to key in the existing password (or default password if it has not been changed) before the password can be disabled.
- **Change**
Change the password to a new one. You will be asked to key in the existing password (or default password if it has not been changed) and the new password before the password can be changed.



Phone manager Menu



The **Phone manager** menu provides the following sub menus to configure settings that are local to the Handset:



Display

Configure settings that are related to Handset display.

- **Wallpaper**
Used to set the display wallpaper of the Handset in the Main Display screen.
- **Backlight**
Used to set the duration of the display backlight to remain on. Settings range from Always On (Backlight permanently on), 15 seconds to 1 minute.

Note:

The backlight will be slightly dimmer and finally off when there is no keypad activity after sometime. However, this feature is not available when the setting is set to Always On).




Language

Allow you to change the menu display language.



Tone

Configure tone setting for the standard and ring tones.


- **Standard tone**
 - **Keytone**
Contain options to enable/disable the key tone.
 - **Message tone**
Contain options to enable/disable the message tone.
 - **Volume**
Configure the volume for the standard tones (both key and message tones). Using the 4-way navigation ring , press up/right to increase and down/left to decrease the volume.

- **Ring tone**

- **Tone**

- Select desired ring tone pattern.

- **Volume**

- Configure the volume of the ring tone. Using the 4-way navigation ring , press up/right to increase and down/left to decrease the volume.



Local time zone

Allow you to change the local time zone of the Handset.



Factory reset

Perform factory reset on the Handset.



About

Display a list of information of the Handset.

- **Model**

- Model name of the handset

- **Software version**

- Software version of the handset

- **Hardware version**

- Hardware version of the handset

- **Technical support**

- Web address for technical support

- **Copyright**

- Contain Copyright message

4 Using the Web Console

Logging in to Web Console

1. Connect your computer to the SEAGULL 5000 terminal using a LAN (Local Area Network) cable.
2. When the connection has been established, open the web browser.
3. Type **http://192.168.0.1:88** in the **Address** field and press **Enter**.



The Login screen appears.

4. Type in **admin** in the Username field and **admin** in the password field. Click **Login**.

A screenshot of a login form. It features two input fields: "Username:" with the text "admin" and "Password:" with the text "admin". Below the fields is a "Login" button. To the right of the password field is a logo that says "addvalue enabled".

5. The **SEAGULL 5000 Web Console** will appear on your screen.


The **SEAGULL 5000** will automatically register to the Thuraya network. This process will include GPS acquisition and registration with the network, which will take a few minutes. Once the process is completed, you will see the **“Registered to network. You are now able to make phone call, or send SMS and data transfer”** message appearing at the bottom line of the Web Console.






Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.0.1:88/app/index.html

Google

SEAGULL 5000 THURAYA  **wideye**TM
liberating communications

Setup Phone SMS Settings

Terminal Info

Region:

Signal: 5

--	--	--	--	--

GPS:


Latitude: 1° 20' 2.71" N (1.33408833°)

Longitude: 103° 53' 23.55" E (103.88987666°)

Date/Time: 11/12/2009,02:35:06 GMT

Speed: 0.66 km/h

Course: 54°



Done

Menu Overview



Setup	Phone	SMS	Settings
Terminal Info	Phonebook	Compose	Language
	Call History	Inbox	Terminal Info
		Sent	PIN
		Draft	SMS
			Tracking
			Admin
			About

Status Indicators



Status Indicators

- **Green** indicates the item is activated.
- **Grey** indicates the item is not activated.

These icons indicate the status of SEAGULL 5000 terminal.

- **Status icons**



CS icon: indicates the Circuit Switch status (Voice calls, SMS).



PS icon: indicates the Packet Switch information (Internet Browsing, FTP, email).

System operation mode icon:



Phone Only



GmPRS Only



GmPRS & Tracking



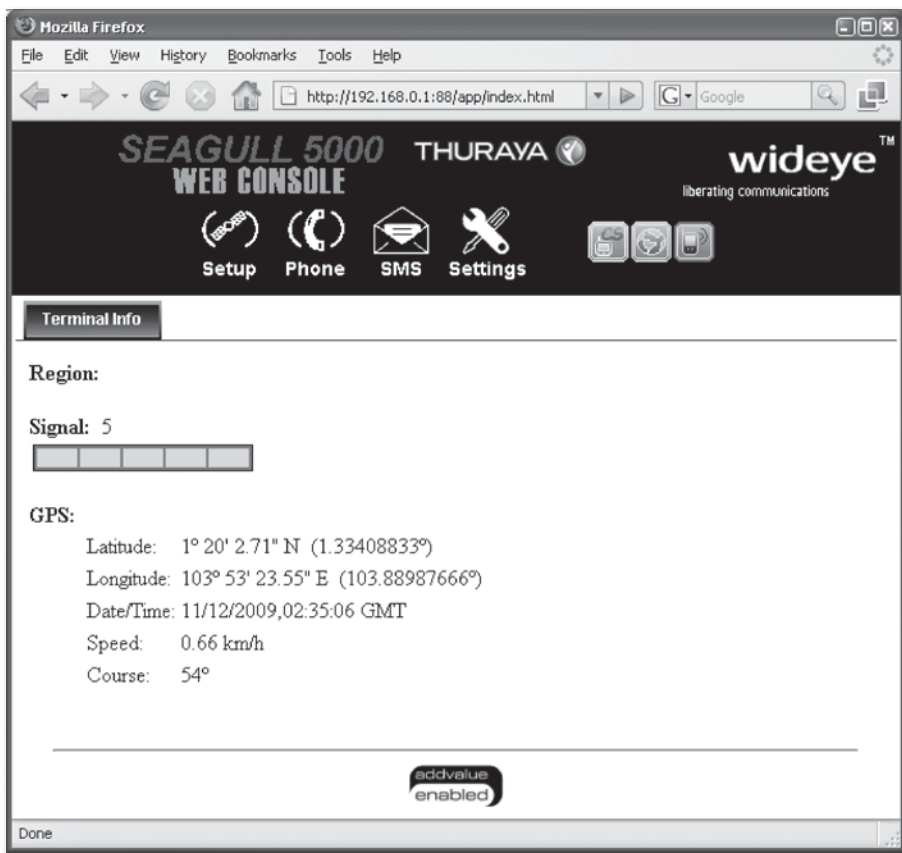
SMS icon: indicates when there is a new SMS.



Setup Menu

Viewing Terminal Information

1. Click .
2. The terminal information is displayed.



Signal

Indicates the received signal strength.

GPS

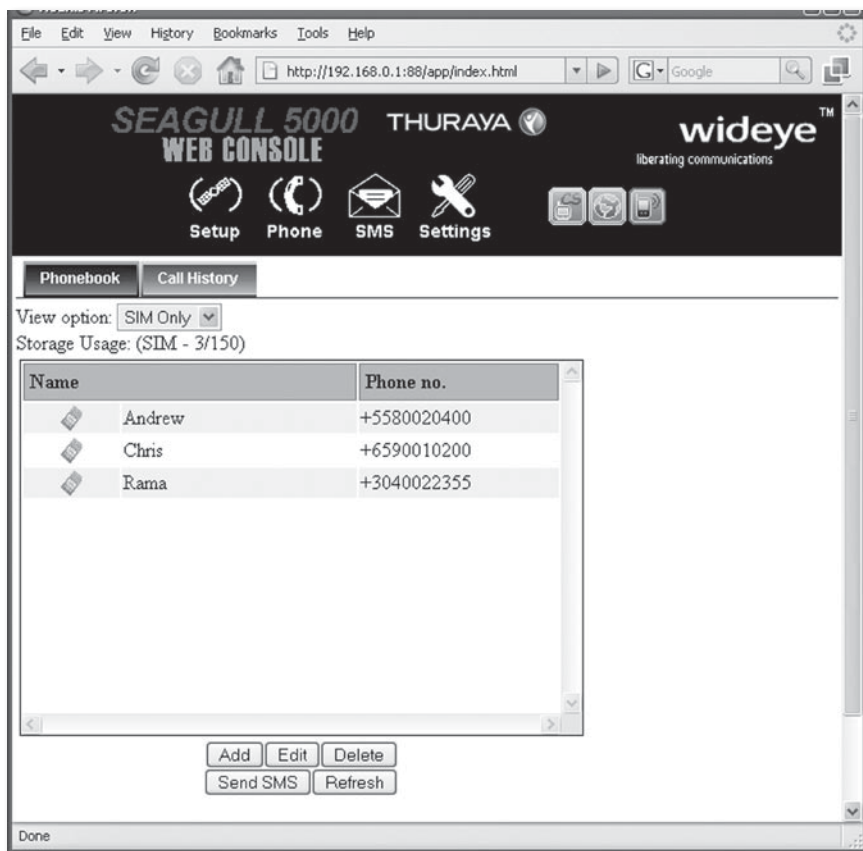
Indicates the latitude, longitude, Date/Time of the GPS acquisition the speed and direction of the SEAGULL 5000.



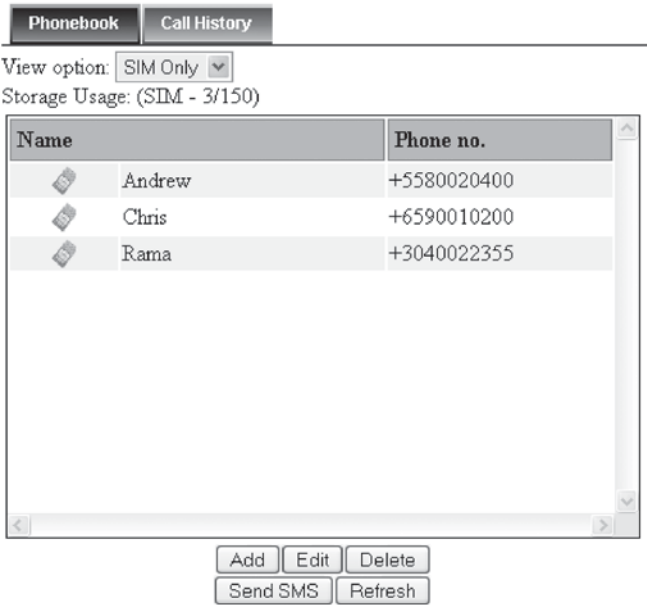
Phone Menu

Phone menu provides the following options:

- **Phonebook**
Allows you to view, add, edit and delete entries on your Phonebook list. You can write and send SMS messages directly from your Phonebook entries. The Phonebook entries are stored on the SIM card.
- **Call History**
To check on the history log of calls made and received.



Phonebook



- **Storage Usage**
Shows the number for Phonebook entries in the SIM card.

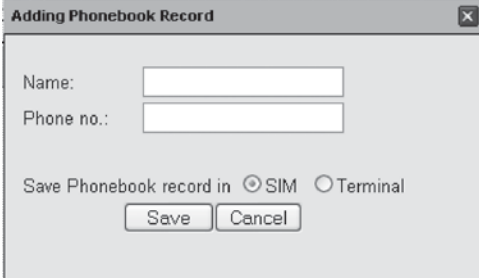
For example:

(SIM - 3/250) indicates:
Storage location – **SIM** card
Total number of entries used = **3**
Total number of entries available = **250**

Adding a new Phonebook entry

Follow these steps to add a new Phonebook entry:

1. Click **Add**.
2. Enter the Name and Phone number.
3. Click **Save**.

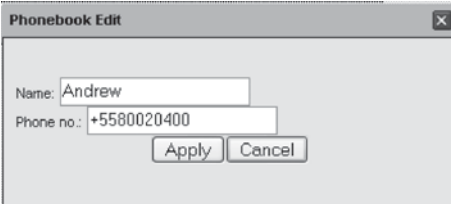


The screenshot shows a dialog box titled "Adding Phonebook Record". It contains two text input fields: "Name:" and "Phone no.:". Below these fields, there is a label "Save Phonebook record in" followed by two radio buttons: "SIM" (which is selected) and "Terminal". At the bottom of the dialog are two buttons: "Save" and "Cancel".

Editing a Phonebook entry

Follow these steps to edit a Phonebook entry:

1. Select the entry from the Phonebook list.
2. Click **Edit**.
3. Proceed to change the Name and/or Phone number.
4. Click **Apply**.

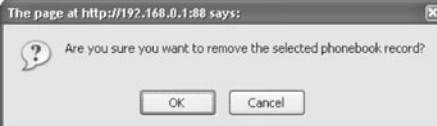


The screenshot shows a dialog box titled "Phonebook Edit". It contains two text input fields: "Name:" with the value "Andrew" and "Phone no.:" with the value "+5580020400". At the bottom of the dialog are two buttons: "Apply" and "Cancel".

Deleting a Phonebook entry

Follow these steps to delete a Phonebook entry:

1. Select the entry from the Phonebook list.
2. Click **Delete**.
3. Click **OK** to confirm to delete the entry. Click **Cancel** to abort delete.



The screenshot shows a confirmation dialog box with a question mark icon. The text inside reads: "Are you sure you want to remove the selected phonebook record?". At the bottom are two buttons: "OK" and "Cancel".

Sending SMS from the Phonebook

Follow these steps to send SMS from the Phonebook:

1. Select the entry from the Phonebook list.
2. Click **Send SMS**.

The Phonebook console switches over to the Compose SMS console.

The screenshot shows the 'Compose' tab selected in a navigation bar. Below the navigation bar, there is a 'Phone no.:' label followed by a text input field containing '0145150106' and a character count '0 /160'. A large empty text area is provided for composing the message. At the bottom, there are buttons for 'Send', 'Save', 'Clear', and 'Append GPS'. A checkbox labeled 'Store a sent copy in SIM' is checked.

3. Type in the text message and click **Send**.
 - Click **Refresh** to refresh the Phonebook list.

Call History

The screenshot shows the 'Call History' tab selected in a navigation bar. Below the navigation bar, there is a 'View option:' label followed by a dropdown menu set to 'All'. A list of contacts is displayed, each with a small icon to its left. The contacts listed are: '+61411000321', '124yes' (with subtext '124937'), 'Tourist Info' (with subtext '*188'), 'News and Entertainment' (with subtext '996'), 'Rocco' (with subtext '+61402822004'), 'Marine' (with subtext '0145150106'), and 'Rob Pollock' (with subtext '0411236568'). At the bottom, there are buttons for 'Send SMS', 'Delete', and 'Refresh'.

- **View option**

The View option allows you to view the Call History entries.

From the drop-down menu, select:

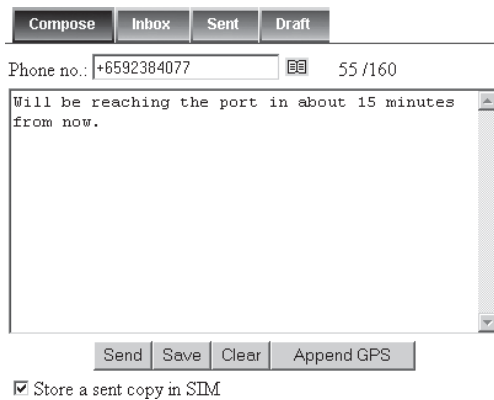
All	To view the list of the dialed, received and missed calls.
Dialed Call	To view the list of dialed calls only.
Received Call	To view the list of received calls only.
Missed Call	To view the list of missed calls only.

Sending SMS from the Call History list

Follow these steps to send an SMS from the Call History list:

1. Select the entry from the list.
2. Click **Send SMS**.

The Call History console switches over to the Compose SMS console.



3. Type in the text message and click **Send**.

Deleting a Call History entry

Follow these steps to delete a Call History entry:

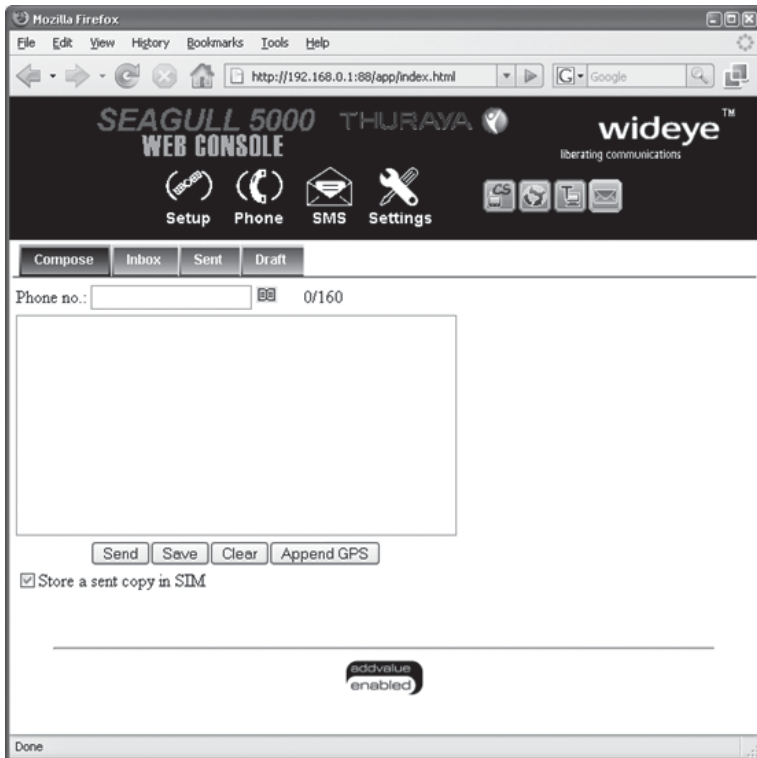
1. Select the entry from the Call History list.
2. Click **Delete**.
3. Click **Ok** to confirm or click **Cancel** to abort deleting the entry.
 - Click **Refresh** to refresh the Call History list.



SMS Menu

SMS menu provide the following options:

- **Compose**
To compose and send text messages. Simply enter a phone number, type your message and click Send.
- **Inbox**
Shows the details (Sender information, Message, Date and Time stamp) of all SMS received.
- **Sent**
Shows the details (Receiver information, Message, Date and Time stamp) of all SMS sent.
- **Draft**
Stores unsent messages for retrieval later.



Composing A New Message

Compose Inbox Sent Draft

Phone no.: +6590100200 99 /160

Current location is at following GPS position:
1.33465166,N,103.88947666,E,09/11/2009,07:48:26
GMT

Send Save Clear Append GPS

Store a sent copy in SIM

Follow these steps to compose a new SMS:

1. Enter the receiver's phone number in the **Phone no.** field or click the Phonebook icon if the receiver's number is listed in the Phonebook.
2. Type the message in the text editor box.

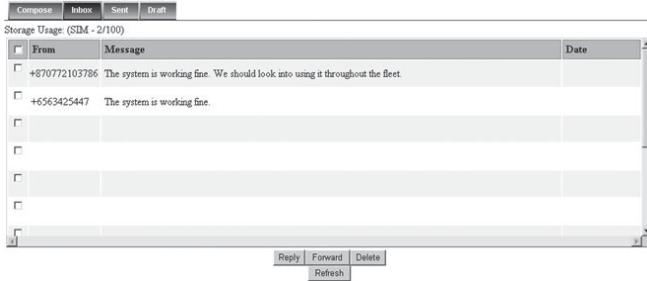
Note:

Each message is limited to 160 characters including spacing between words. Messages longer than 160 characters will be split into 2 or more messages.

3. Uncheck **Store a copy in SIM** checkbox if you do not wish to store a copy of the sent SMS into SIM card.
4. Click **Send** to send the SMS.
 - To save an unsent SMS, click **Save** and the unsent SMS will be saved in **Draft**.
 - To clear the typed message on the text editor, click **Clear**.
5. Click **Append GPS** to attach the current GPS position to an SMS message prior to sending.

Inbox

Shows the details (Sender information, Message, Date and Time stamp) of all SMS received.



Replying to an SMS

Follow these steps to reply to an SMS:

1. Click on a SMS to select it. The selected SMS will be highlighted in light blue.
2. Click **Reply**.
3. Click **OK** to reply with the original contents or **Cancel** to reply without the original content.



The Inbox console switches over to the Compose console.

4. Enter your reply in the text editor.
5. Click **Send** to send your reply SMS.
The reply SMS will be sent to the recipient.

Forwarding an SMS

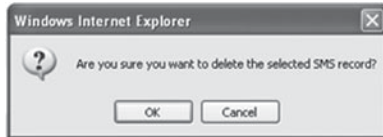
Follow these steps to forward an SMS:

1. Click on an SMS to select it.
The selected SMS will be highlighted in light blue.
2. Click **Forward**.
The Inbox console switches over to the Compose console.
3. Enter the receiver's number in the **Phone No.** field.
4. Click **Send** to forward the SMS.
The SMS will be sent to the recipient.

Deleting a single SMS from the Inbox list

Follow these steps to delete a single SMS from the Inbox list:

1. Click on a SMS to select it.
2. Click **Delete**.
3. Click **OK** to confirm or click **Cancel** to abort deleting the SMS.



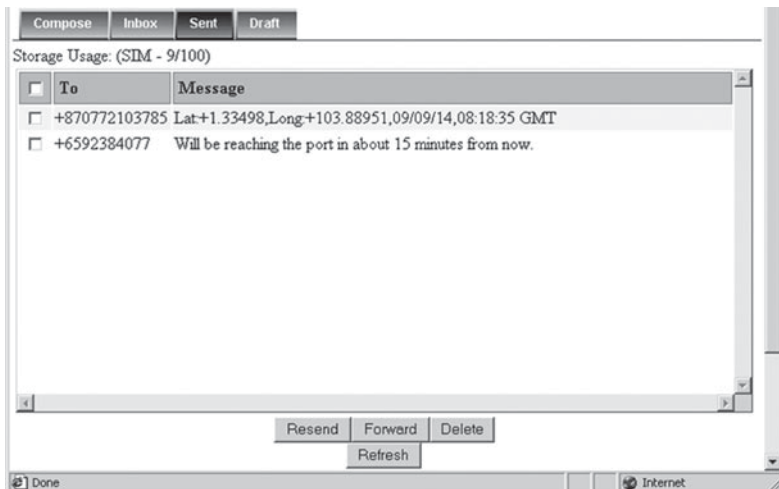
Deleting multiple SMS from the Inbox list

Follow these steps to delete multiple SMS from the Inbox list:

1. Select the messages by checking the checkboxes beside each SMS.
2. Click **Delete**.
3. Click **OK** to confirm the delete, or **Cancel** to abort the delete.
 - Click **Refresh** to refresh the Inbox list.

Sent

Shows the details (Receiver information, Message, Date and Time stamp) of all SMS sent.



Resending a sent SMS

Follow these steps to resend a sent SMS (sending the same SMS to the same receiver):

1. Click on a SMS to select it.
2. Click **Resend**.
The SMS will be sent to the recipient.

Forwarding a sent SMS

Follow these steps to forward a sent SMS to another recipient:

1. Click on a SMS to select it.
2. Click **Forward**.
The Sent console switches over to the Compose console.

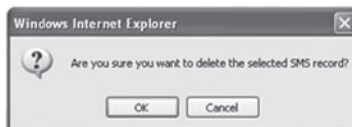


3. Enter the receiver's number in the **Phone No.** field.
4. Click **Send**.
The SMS will be sent to the recipient.

Deleting a SMS from the Sent list

Follow these steps to delete a single SMS from the Sent list:

1. Click on a SMS to select it.
2. Click **Delete**.
3. Click **OK** to confirm or click **Cancel** to abort deleting the SMS.



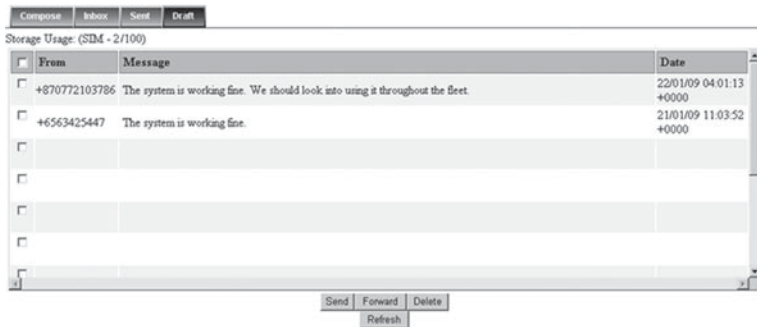
Deleting multiple SMS from the Sent list

Follow these steps to delete multiple SMS from the from the Sent list:

1. Select the message by checking the checkboxes beside each SMS.
2. Click **Delete**.
3. Click **OK** to confirm the delete, or **Cancel** to abort the delete.
 - Click **Refresh** to refresh the Sent list.

Draft

Stores SMS saved from the Compose console.



Follow these steps to send a draft SMS:

1. Click on a SMS to select it.
2. Click **Send**.
The SMS will be sent to the recipient.



Forwarding a draft SMS to another recipient

Follow these steps to forward a draft SMS to another recipient:

1. Click on a SMS to select it.
2. Click **Forward**.
The Draft console switches over to the Compose console.

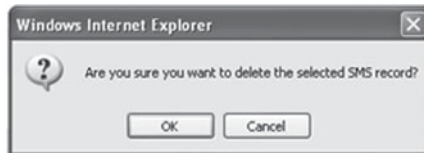


3. Enter the receiver's number in the **Phone No.** field.
4. Click **Send** to forward the SMS.
The SMS will be forwarded to the recipient.

Deleting a SMS from the Draft list

Follow these steps to delete a SMS from the Draft list:

1. Click on a SMS to select it.
2. Click **Delete**.
3. Click **OK** to confirm or click **Cancel** to abort deleting the SMS.



Deleting multiple SMS from the Draft list

Follow these steps to delete multiple SMS from the Draft list:

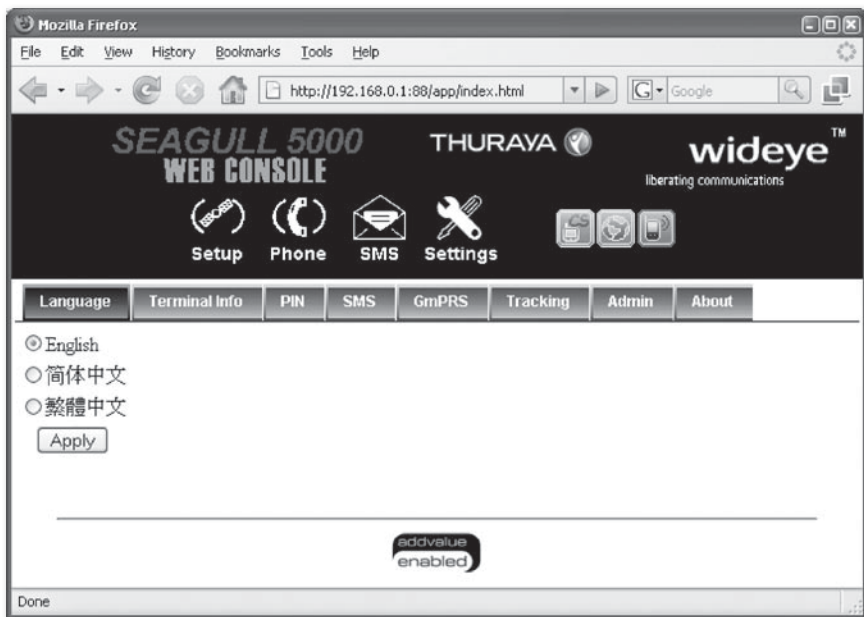
1. Select the message by checking the checkboxes beside each SMS.
2. Click **Delete**.
3. Click **OK** to confirm the delete, or **Cancel** to abort the delete.
 - Click **Refresh** to refresh the Draft list.



Settings Menu

Click the following tabs to view and edit the configuration settings for the SEAGULL 5000 terminal:

- **Language**
- **Terminal Info**
- **PIN**
- **SMS**
- **Tracking**
- **Admin**
- **About**



Language

Select the desired language for the Web Console to be displayed.

Language	Terminal Info	PIN	SMS	GmPRS	Tracking	Admin	About
<input checked="" type="radio"/> English							
<input type="radio"/> 简体中文							
<input type="radio"/> 繁體中文							
<input type="button" value="Apply"/>							

Terminal Info

This tab shows general information about the SEAGULL 5000, Call/Data Usage.

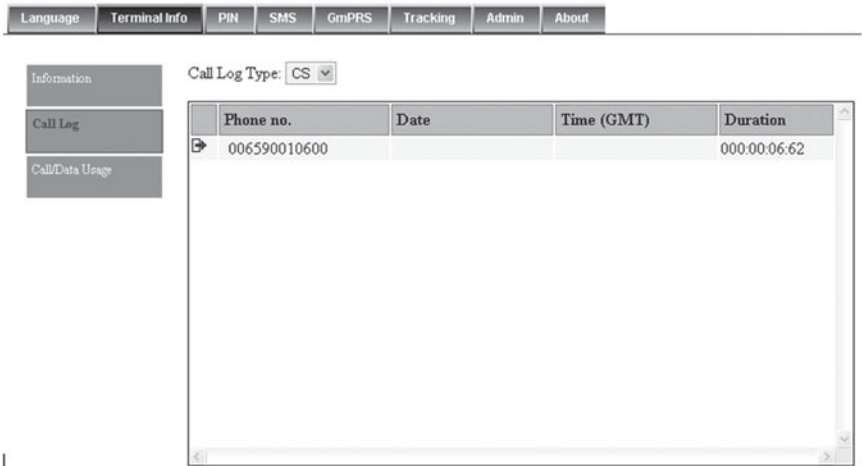
- Information**

Displays information about the Software version, Model ID, IMEI number, IMSI number (only when a SIM card is inserted), Subscriber number.

Language	Terminal Info	PIN	SMS	GmPRS	Tracking	Admin	About
Information	Call Log	Call/Data Usage					
Software version:	Seagull5000_0.0.44						
Model ID:	Seagull5000						
IMEI number:	356013001163750						
IMSI number:	404000000000000						
Subscriber number:	Not available						

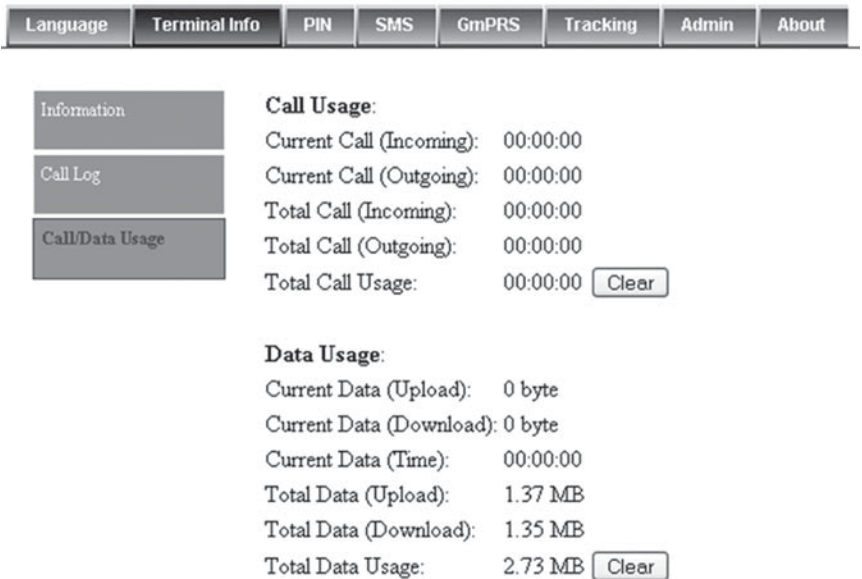
- **CALL Log**

Displays the call log of the terminal.



- **CALL/Data Usage**

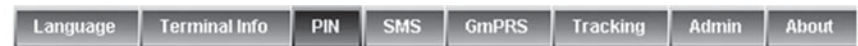
Displays the call and data usage of the terminal.



PIN

- **SIM PIN**

1. Click **SIM PIN** to configure the SIM PIN settings.
2. Select **Disabled** if you do not need to set the SIM PIN.
3. Select **Enabled** to set the SIM PIN.
4. If Disabled is selected, enter PIN number and click Apply.
5. If Enabled is selected, enter old PIN number, new PIN number twice and click Change PIN Password.



SIM PIN

Enabled Disabled

Enter PIN:



SIM PIN

Enabled Disabled

Enter PIN:

Change PIN Password:

Enter Old PIN:

Enter New PIN:

Re-enter New PIN:

SMS

To change the **SMS service Center Address** number, enter the new number in the space provided and click **Update**.



Service Center Address:

Note:

Please contact your distributor or service provider if you do not know the Service Center Address.

GmPRS

Language	Terminal Info	PIN	SMS	GmPRS	Tracking	Admin	About
----------	---------------	-----	-----	--------------	----------	-------	-------

APN	APN
<input type="radio"/> Thuraya	<input type="text" value="get"/>
<input checked="" type="radio"/> Optus	<input type="text" value="internet"/>
<input type="radio"/> User Defined	<input type="text"/>
	<input type="button" value="Update"/>

Tracking

- **Settings**

1. Select **Disabled** if you do not need GPS reporting.
2. Select **Enabled** if you need GPS reporting.
3. Select either GmPRS or SMS mode.
4. Key in the desire frequency in seconds. (the time interval to update the server).
5. Key in the server phone number (SMS mode only).
6. Key in the server IP address (GmPRS mode only).
7. Key in server Port number (GmPRS mode only)
8. Server Connection type is fixed to TCP (GmPRS mode only)
9. Key in the Distance interval.
10. Key in the speed limit alarm.
11. Key in 3 authorized phone numbers (SMS mode only)
12. Key in 3 emergency phone numbers (SMS mode only)
13. Enable external alarm: Tick the box if an external Alert button is being used.

- Settings
- Geo Fence
- Emergency Text
- Authentication

GPS Reporting: Enabled Disabled

Mode:

Frequency:

Server Phone Number:

Server IP Address:

Server Port:

Server Connection Type:

Distance Interval: m

Speed Limit (Alarm): km/h

Authorized Phone Number (1/3):

Authorized Phone Number (2/3):

Authorized Phone Number (3/3):

Emergency Phone Number (1/3):

Emergency Phone Number (2/3):

Emergency Phone Number (3/3):

Enable external alarm

Update

- **Geo Fence**

1. There are two ways to enter latitude/longitude:
 - a) Degrees,minutes,seconds.
 - b) Decimal degrees.
2. Select the desire latitude/longitude format
3. Click the **Add**.
4. Select the alarm trigger type:
 - a) In
 - b) Out
 - c) In and Out
5. Select the type of Geo Fence:
 - a) Circle (1 points, radius)
 - b) rectangle (2 points)
 - c) polygon (minimum 3 points. maximum 10 points)
6. Key in the Latitude and Longitude values. Click **Apply** to confirm.

Language	Terminal info	PIN	SMS	GnPRS	Tracking	Admin	About
Settings	Latitude/Longitude view format: <input checked="" type="radio"/> dddmm.mmmm <input type="radio"/> ddd dddddd						
Geo Fence	<input checked="" type="checkbox"/>	Out	Circle	Latitude: 112.0601 Longitude: 10332.0214 Radius: 300 m		Edit Delete Apply	
Emergency Text	<input checked="" type="checkbox"/>	In	Rectangle	Latitude1: 112.0601 Longitude1: 10332.0214 Latitude2: 123.0601 Longitude2: 10354.0214		Edit Delete Apply	
Authentication						Add Delete Apply	
						Add Delete Apply	
	<input checked="" type="checkbox"/>	In/Out	Polygon	Latitude, Longitude 100, 5000 100, 15000 5000, 7500		Edit Delete Apply	
						Add Delete Apply	
						Add Delete Apply	
						Add Delete Apply	

- **Emergency Text**

Emergency text will be sent when the Alert button on the BDU is pressed.

Language	Terminal Info	PIN	SMS	GmPRS	Tracking	Admin	About
----------	---------------	-----	-----	-------	----------	-------	-------

Settings	8/110
Geo Fence	SOS HELP
Emergency Text	
Authentication	

- **Authentication**

Allow the user to enable/disable tracking authentication on Handset when changing tracking related configurations.

Language	Terminal Info	PIN	SMS	GmPRS	Tracking	Admin	About
----------	---------------	-----	-----	-------	----------	-------	-------

Settings	<input type="checkbox"/> Enable tracking authentication on Handset
Geo Fence	<input type="button" value="Update"/>
Emergency Text	Old Password: <input type="text"/>
Authentication	New Password: <input type="text"/>
	Re-type Password: <input type="text"/>
	<input type="button" value="Update"/>

Admin

- **Change Password**

Follow these steps to change the Web Console login Password:

1. Enter the old password in the **Old Password** field.
2. Enter the new password in the **New Password** field.
3. Re-enter the new password in the **Re-type Password** field.
4. Click **Update**.

The Web Console login password is now changed.

The screenshot shows the 'Admin' section of the Web Console. A navigation bar at the top contains buttons for 'Language', 'Terminal Info', 'PIN', 'SMS', 'GmPRS', 'Tracking', 'Admin', and 'About'. Below this, a vertical menu on the left lists 'Change Password', 'Reboot Terminal', 'Factory Reset', and 'System Operation Mode'. The 'Change Password' option is selected. The main content area contains three input fields: 'Old Password:', 'New Password:', and 'Re-type Password:'. An 'Update' button is positioned below the 'Re-type Password' field. At the bottom right, there is a logo that says 'addvalue enabled'.

- **Reboot Terminal**

The screenshot shows the 'Admin' section of the Web Console. A navigation bar at the top contains buttons for 'Language', 'Terminal Info', 'PIN', 'SMS', 'GmPRS', 'Tracking', 'Admin', and 'About'. Below this, a vertical menu on the left lists 'Change Password', 'Reboot Terminal', 'Factory Reset', and 'System Operation Mode'. The 'Reboot Terminal' option is selected. The main content area contains the text 'Click on the button to reboot the BGAN Terminal:' and a 'Reboot' button. At the bottom right, there is a logo that says 'addvalue enabled'.

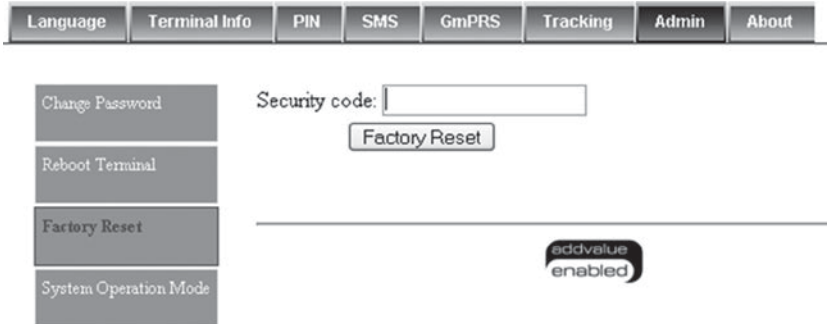
If you wish to reboot the SEAGULL 5000 terminal, click **Reboot Terminal**. Click **Reboot** and wait for a few minutes to allow the terminal to reboot. Refresh your browser to update the Web Console page after reboot.

- **Factory Reset**

To perform a Factory Reset, enter the Security code **0000** and click **Factory Reset**.

Warning:

All the settings and user data (e.g., Phone Book, GPS, etc.) of the SEAGULL 5000 terminal will be cleared and reset to the default settings. If you do not wish to lose critical user data such as Phone Book, please use limited reset option available via Handset.



- **System operation mode**

The UE can be configured to operate in the following modes:

- **Phone only**
Voice centric operating mode. You can make / receive voice call or send / receive SMS in this mode.
- **GmPRS only**
Data centric operating mode. You can browse Internet in this mode.
- **GmPRS and tracking**
Data centric operating mode. You can browse Internet in this mode with GmPRS (Internet) based tracking enabled.
- **Phone and SMS tracking**
You can make/receive voice calls or send/receive SMS in this mode. Additionally, SMS based tracking is enabled in this mode.



Troubleshooting

Warnings

Servicing

SEAGULL 5000 does not contain consumer serviceable components. You are advised not to carry out any kind of troubleshooting. In case you face any problems, contact the nearest service center. Only authorized service personnel can repair the equipment.

Antenna and RF cables

Use only SEAGULL 5000 antenna and RF cables that have been specifically designed for your terminal.

Unauthorized antennas, cables and cable length modifications, or attachments could damage SEAGULL 5000 and may violate the relevant regulations, causing loss or degradation of performance and radio frequency (RF) energy above the recommended limits. If your SEAGULL 5000 antenna gets damaged, please take it to an authorized Service Provider.

General

Do not place SEAGULL 5000 in a wet area.

Do not expose SEAGULL 5000 to temperatures greater than +55 degree Celsius or less than -10 degree Celsius.

Do not expose SEAGULL 5000 to moisture, dust etc.

Avoid placing SEAGULL 5000 close to open flames or any source of heat.

Do not expose SEAGULL 5000 to direct sunlight.

Do not disassemble SEAGULL 5000; this will void your warranty.

Care and Maintenance

SEAGULL 5000 is a product of superior design and craftsmanship and should be treated with care.

The following suggestions will help you to fulfill any warranty obligations and allow you to enjoy this product for many years.

Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

Do not attempt to open it. Mishandling of the device may damage it.

Do not drop, apply pressure or shake it. Rough handling can break internal circuit boards.

Do not use chemicals, cleaning solvents, or strong detergents to clean it. Wipe it smoothly with a soft cloth.

Use only the supplied or approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the SEAGULL 5000 and may violate regulations regarding radio devices.

If the SEAGULL 5000, handset or any accessory does not function properly, take it to your nearest authorized service center. The personnel there will assist you, and if necessary, arrange for service.

Common problems

Satellite signal strength is inadequate (indicated in SEAGULL 5000 display).

The cable connections are not proper and firm.

The SIM card may have been not installed properly or it may have been expired.

FAQ

Q: Why there is no heartbeat LED on the BDU?

A: Please check whether the power supply is normal and within the range of 10.8 to 31.2volts. Please verify whether the power switch is turned on.

Q: Why there is no display on the handset?

A: Please check whether the handset connector (RJ45) is securely plugged into the handset interface port on the BDU.

