

wideyeTM

liberating communications

SEAGULL 5000*i*

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** voice, data and fax Satellite terminal with a build in GPS tracking system, 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

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 Certified body:

TUV SUD PSB Pte Ltd. 1 Science Park Drive, Singapore 118221

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, 25 January, 2011) and
- Mr. Prabakar Kuttaniseeri (Manager-Quality Engineering, 25 January, 2011).

Safety Summary

For the sake of safety and protection, please read the user guide before you attempt to use the SEAGULL 5000 ϵ 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 ϵ 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 5000z 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 5000z 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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The SEAGULL 5000 ϵ is a voice, data and fax satellite terminal with a build-in GPS tracking system specially designed for reliable performance in the harsh maritime and land environment. This affordable, easy-to-install and user-friendly terminal enables users to make satellite voice calls to normal PSTN phones, mobile phones and other satellite phones through the Thuraya satellite network.

Besides supporting SMS services through its easy-to-use menu on the large colour LCD screen on the handset, the SEAGULL 5000 ϵ provides full-duplex, IP-based data communication capabilities through the Thuraya GmPRS technology. These data communication capabilities, coupled with an onboard GPS receiver enables the SEAGULL 5000 ϵ to transmit such information as ship's identity and ship's position with date and time stamp necessary for Long Range Identification and Tracking (LRIT) services that is increasingly being made mandatory by many national maritime and fisheries authorities. The user can also take advantage of this internet data connection to check emails, weather reports or just simply for web-browsing. When the optional FaxConnect™ interface box is connected to the SEAGULL 5000 ϵ , the user can also send G3 faxes to other G3 fax machines on a global basis.

Tracking and monitoring functions are user-configurable for fixed time interval or event-triggered operation. They can also be remotely activated by a monitoring centre. An Alert button is available to notify pre-configured contacts during an emergency. When the Alert button is activated, the SEAGULL 5000 ϵ shall immediately send a pre-determined SOS message which includes the time-stamped GPS coordinates of the position to a maximum of three preset contacts for emergency response.

The SEAGULL 5000 ϵ is truly a robust, versatile and cost effective solution for medium-size to small fishing vessels, pleasure boats, patrol boats and any other sea vessels or land vehicles that need a combination of voice telephony, data, fax and tracking functions.

Applications

- Supports Communication needs of fishing vessels, leisure boats, coastal guard boats, land vehicles, etc.
- Coastal surveillance
- In-land rural area communications
- Fleet management
- Low data rate telemetry and tracking

Features

Handset

- Supports basic telephony functions, Calling Line Identification Presentation (CLIP) and Short Message Services (SMS)
- Phone book retrieval from the SIM card
- Call log: last 5 missed, received and dialed calls each with date and time stamps
- Menu-driven graphical user interface with 65K colors, 220 x 176 pixels, 2" TFT LCD screen
- MMI in English and Chinese
- Back-lit keypad
- 2.5mm Headset jack
- Handsfree headset
- Wallmount cradle

Base Terminal

- One Alert button for triggering an emergency alert to pre-configured contacts via SMS or GmPRS
- External Alert button input port (external Alert button is optional)
- Ringer output port (external ringer is optional)
- Configuration to support
 - Automatic Position Reports (APR)
 - Polling for an on demand position report
 - Geo-fencing. Up to 10 polygon areas can be configured. Sends an alert when the vessel enters or leaves an area
- Support G3 Fax via FaxConnect™
- Internet Access
- Save position logs in device memory for later retrieval
- Over-the-air updates of system configuration parameters

Antenna

Passive Antenna

- Omni-directional passive Thuraya satellite antenna with build in active GPS antenna
- Up to 5 meters of LMR400 (or equivalent) co-axial satellite antenna cable

Active Antenna

- Omni-directional active Thuraya satellite antenna with build-in active GPS antenna

Recommended Cable lengths for Active antenna

SAT & GPS Cables

| Cable Type | Loss @ 1.6GHz [dB/m] | Maximum Cable Length [m] |
|------------|-------------------------|-----------------------------|
| LMR400 | 0.174 | 40 |
| LMR240 | 0.335 | 20 |
| LMR195 | 0.493 | 15 |

Note:

Active antenna must be used with an external power supply unit

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 (max) | 10W |
| Operating Humidity | Up to 95% (non-condensing) at 40°C |
| | |
| FaxConnect (Optional Accessory) | |
| Operating Temperature | 0°C ~ + 55°C |
| Storage Temperature | -40°C ~ + 80°C |

General specifications

Thuraya Approved
Compliant to CE

Service

| | | |
|----------------------------|----------------------|------|
| Voice | | |
| Standard IP: | up to 60/15 kbps | |
| SMS: | up to 160 characters | |
| Fax: | up to 9.6kbps | |
| Ingress Protection Rating: | Handset | IP66 |
| | Antenna | IP66 |

GPS specifications

| | | |
|------------------------------|------------|--------------------|
| Number of tracking channels: | | 20 (SiRF Star-III) |
| Position accuracy: | | <10m 95% |
| Time to First Fix: | Hot start | <1 second |
| | Warm start | <30 seconds |
| | Cold start | <35 seconds |

Mechanical specifications








Size

| | |
|-------------------------|--------------------------|
| Handset [LxWxH]: | 142mm x 56mm x 22mm |
| Handset Cradle [LxWxH]: | 147mm x 65mm x 32mm |
| Base Terminal [LxWxH]: | 254mm x 155mm x 55mm |
| FaxConnect: | 185mm x 130mmx 32mm |
| Passive Antenna: | 95mm (Dia.) x 150mm (H) |
| Active Antenna: | 210mm (Dia.) x 180mm (H) |

Weight

| | |
|------------------|-------|
| Handset: | 370g |
| Handset Cradle: | 55g |
| Base Terminal: | 1kg |
| FaxConnect: | 275g |
| Passive Antenna: | 300g |
| Active Antenna: | 1.7kg |

Packing list

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

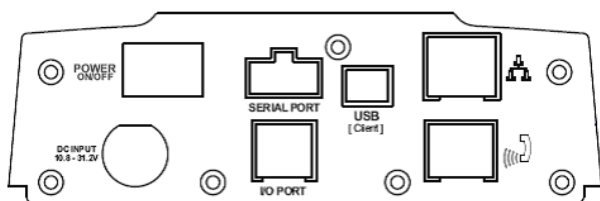
| | |
|---|--|
| Hands free headset |  |
| Power cable |  |
| Grounding cable |  |
| RJ45 Ethernet cable |  |
| Starter Kit (Quick Start Guide and CD) |  |

Faxconnect (Optional Accessories)

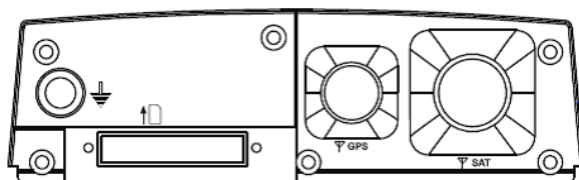
| | |
|-------------------|---|
| FaxConnect |  |
| Interface Cable |  |
| Telephone Wire |  |
| Quick Start Guide |  |

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

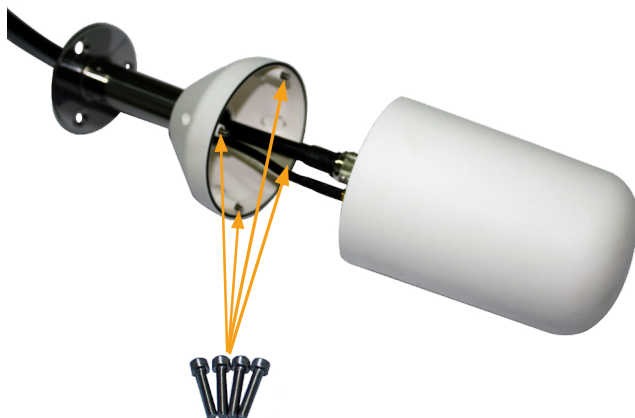
Overview of installation of ADU and BDU.

Installation of ADU

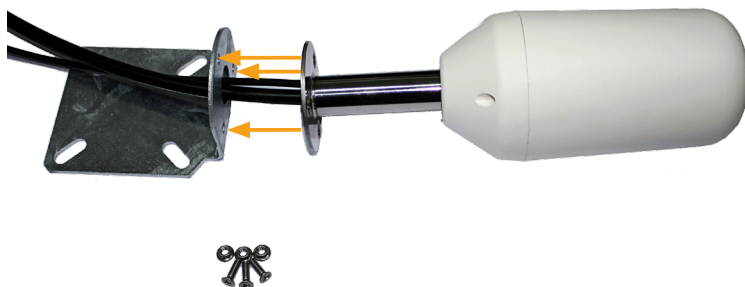
1. Select an ideal location above the deck where you desire to place your ADU. It is recommended to install it at a point where no surrounding obstacles should obstruct the open sky view to the ADU. The ADU is designed to operate within a temperature range from -25°C to +55°C.
2. Pass the RF cables (SAT & 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.



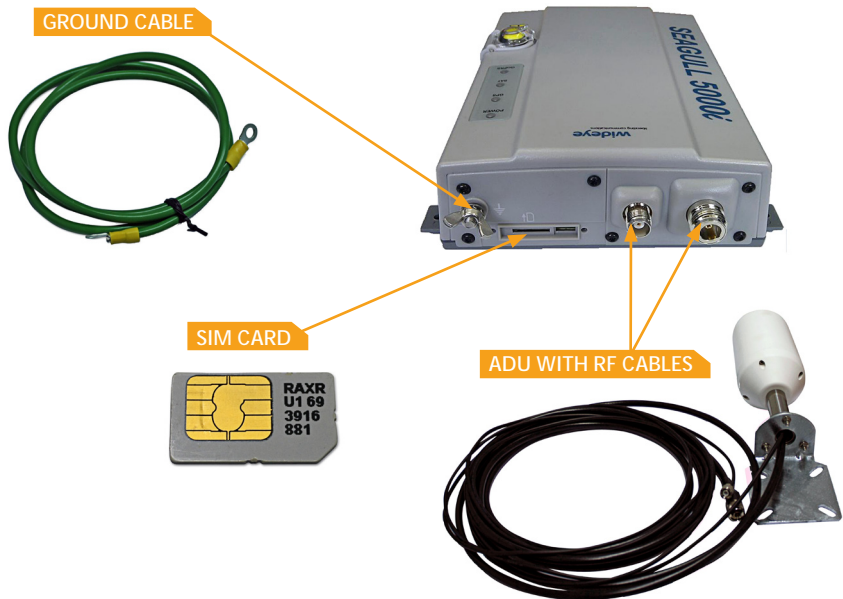
Installation of BDU

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 α BDU to the ship's power source:

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



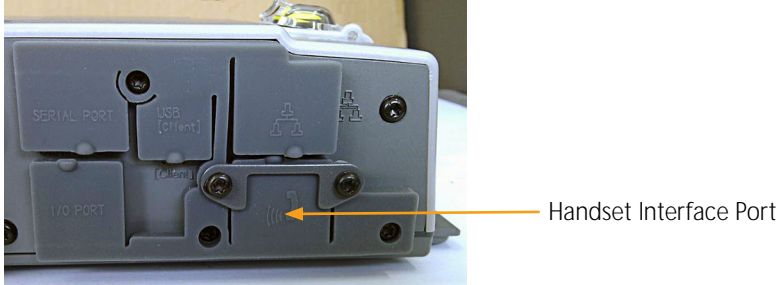
2. Connect the power cable to a DC power source (10.8V-31.2V).

Connecting the Handset

Note:

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

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



Powering Up the SEAGULL 5000z


Follow these steps to power ON the SEAGULL 5000z

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



Making the first voice call


Note:

To make a call, the SEAGULL 5000z 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".

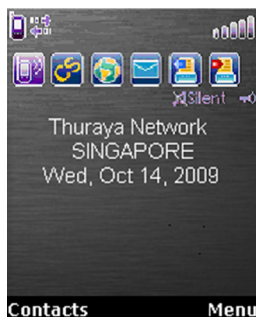
To end the call, press  on the Handset.

To accept an incoming call, press  on the Handset.

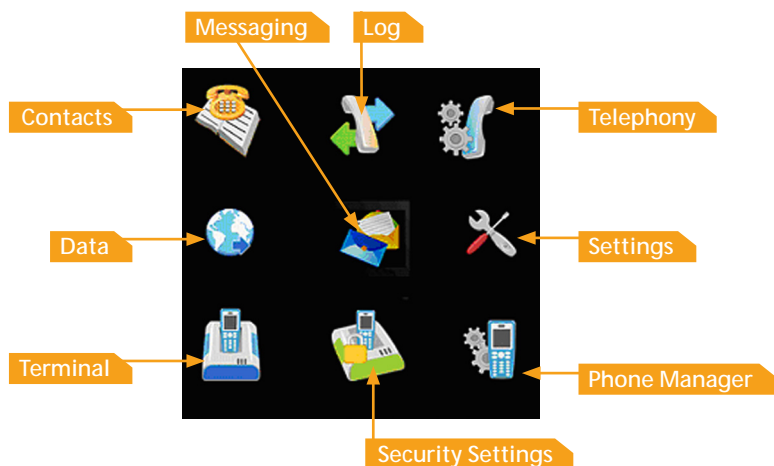
Sending the first SMS (Message)



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.

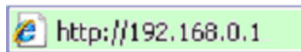
Connecting to the Internet

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 ϵ BDU:

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



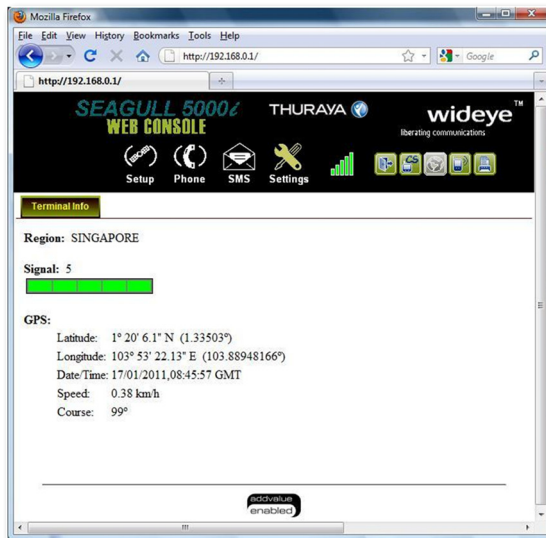
5. Type in **admin** in the **Username** field and **admin** in the **Password** field. Click **Login** button.

Username:

Password:

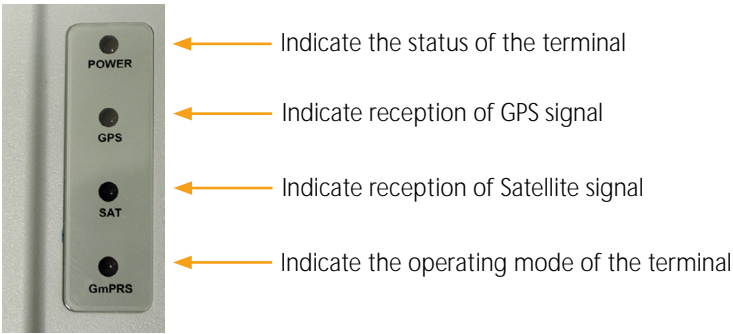
addvalue enabled

The SEAGULL 5000 ϵ 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

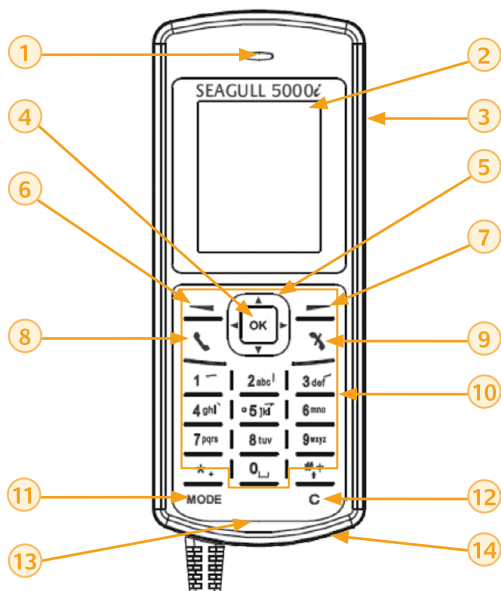
| LED behavior | Status |
|-----------------|---|
| Blinking orange | SATCOM module is initializing. |
| Steady orange | Registering to the Network. |
| Steady green | SATCOM module is Registered to the Network. |
| Blinking green | CS call in progress. |
| Steady red | System failure. User action required.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

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. |

Handset








The handset is connected to the UE via the dedicated Handset interface port and is powered directly from the SEAGULL 5000z 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 5000z.



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*

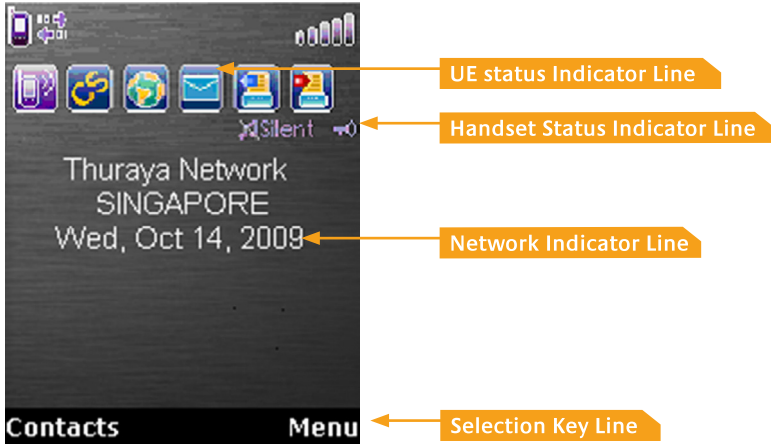
*The Ringer is located at the back of the Handset.




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  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. |
|  | Outgoing fax is active |
|  | Incoming fax is active |
|  | 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:

| | Voice Call | SMS | Internet (GmPRS) | Tracking | | Alert Button | Fax |
|--------------------------|------------|-----|------------------|----------|-----|--------------|-----|
| <i>Operating Mode</i> | | | | GmPRS | SMS | | |
| Phone only | √ | √ | | | | | √ |
| GmPRS only | * | | √ | | | | * |
| GmPRS and GmPRS tracking | * | | √ | √ | | √ | * |
| Phone and SMS tracking | √ | √ | | | √ | √ | √ |

Note:

(*) It is possible to make / receive voice/fax 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.

Press 'down' key to
decrease the volume



Press 'up' key to
increase 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.












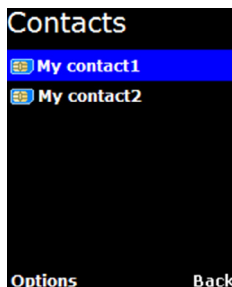
You can use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection. You can also end the menu or sub menus and return to the Main Display screen at any time by pressing the  key.

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 and hold * + 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**

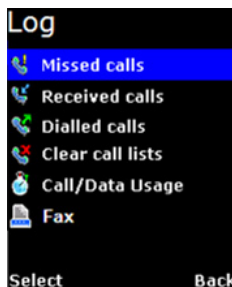
Add this contact to the speed dial list.

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



Fax

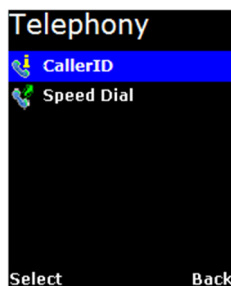
Fax call history between the UE and the network is displayed in chronological order when selected. There are three types of fax call shown in the list:

-  **Missed Fax Call**
This indicates a missed fax call record
-  **Outgoing Fax Call**
This indicates an outgoing fax call record
-  **Incoming Fax Call]**
This indicates an incoming fax call record

You can view the details of a particular record by pressing the  key.



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.

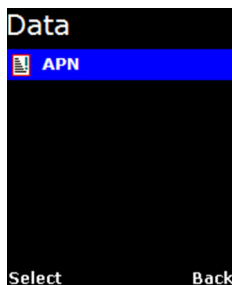
Note:

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

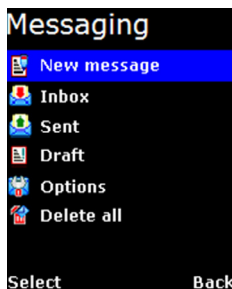
This menu allows you to view or change the APN settings for GmPRS connection.

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  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  key and select **Send**.
4. Enter the recipient's phone number, and press the  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.



Fax

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

- **Num. Of Retries**

Select this to set the number of retries when the UE failed to send/print the fax. The following settings are available in this sub menu:

- **Send**

Select this to set the number of retries for outgoing fax. Set to zero indicates that there will be no attempt to resend the fax when the UE failed to send the fax.

Note:

Airtime charge may apply for each retry attempt.

- **Print**

Select this to set the number of retries for fax printing once the UE has received an incoming fax. Set to zero indicates that there will be no attempt to reprint the fax when the UE failed to print the received fax to the connected fax machine.

- **Power Cycle Disc**

Select **No** for the UE to resume last pending fax jobs when fax transactions are interrupted due to power reset. Select **Yes** to discard all pending fax jobs upon power reset.

- **Print Report**

Select this to configure settings related to the printing of fax reports. The following settings are available in this sub menu:

- **Outgoing Fax**

Select this to configure printing of report for outgoing fax

- **Incoming Fax**

Select this to configure printing of report for incoming fax

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

- **Disabled**

Select this to disable the printing of the fax report.

- **Enabled**

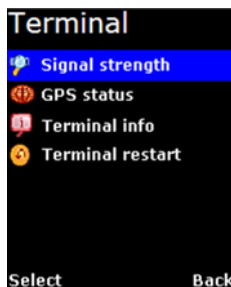
Select this to enable the printing of the fax report.

- **Error only**

Print error report only. Error report is printed when there is any error detected during the fax transaction.



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.

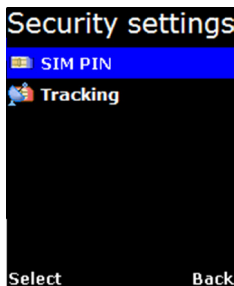


Factory reset

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

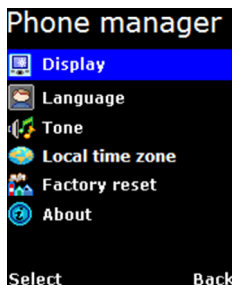
Select this to configure authentication settings related to tracking. All settings related to tracking need to be authenticated with the correct password before they can be changed once authentication is enabled.

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**

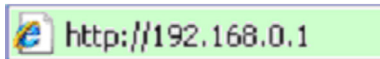
- Web address for technical support

- **Copyright**

- Contain Copyright message

Logging in to Web Console

1. Connect your computer to the SEAGULL 5000 μ 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/** in the **Address** field and press **Enter**.

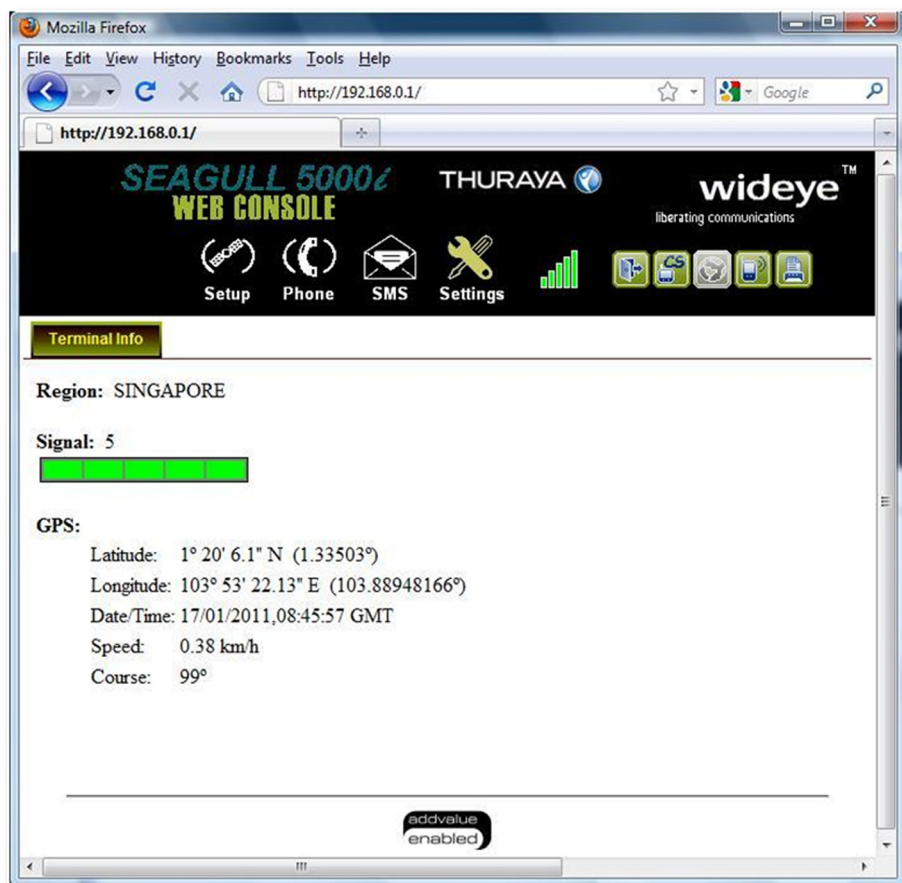


The Login screen appears.

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

A screenshot of the login interface for the SEAGULL 5000 μ Web Console. It is enclosed in a rounded rectangle with a drop shadow. On the left, there are two labels: 'Username:' and 'Password:'. To the right of 'Username:' is a text input field containing the text 'admin'. To the right of 'Password:' is a text input field containing several asterisks. Below these fields is a button labeled 'Login'. To the right of the input fields is a logo that says 'addvalue enabled' in a stylized font.

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




Menu Overview



| Setup | Phone | SMS | Settings |
|---------------|--------------|---------|---------------|
| Terminal Info | Phonebook | Compose | Language |
| | Call History | Inbox | Terminal Info |
| | | Sent | PIN |
| | | Draft | SMS |
| | | | GmPRS |
| | | | Tracking |
| | | | Fax |
| | | | 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).



Signal icon: indicates the signal strength of the satellite network.

System operation mode icon:



Phone Only



GmPRS Only



GmPRS & Tracking



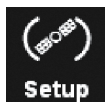
Fax



Log Out



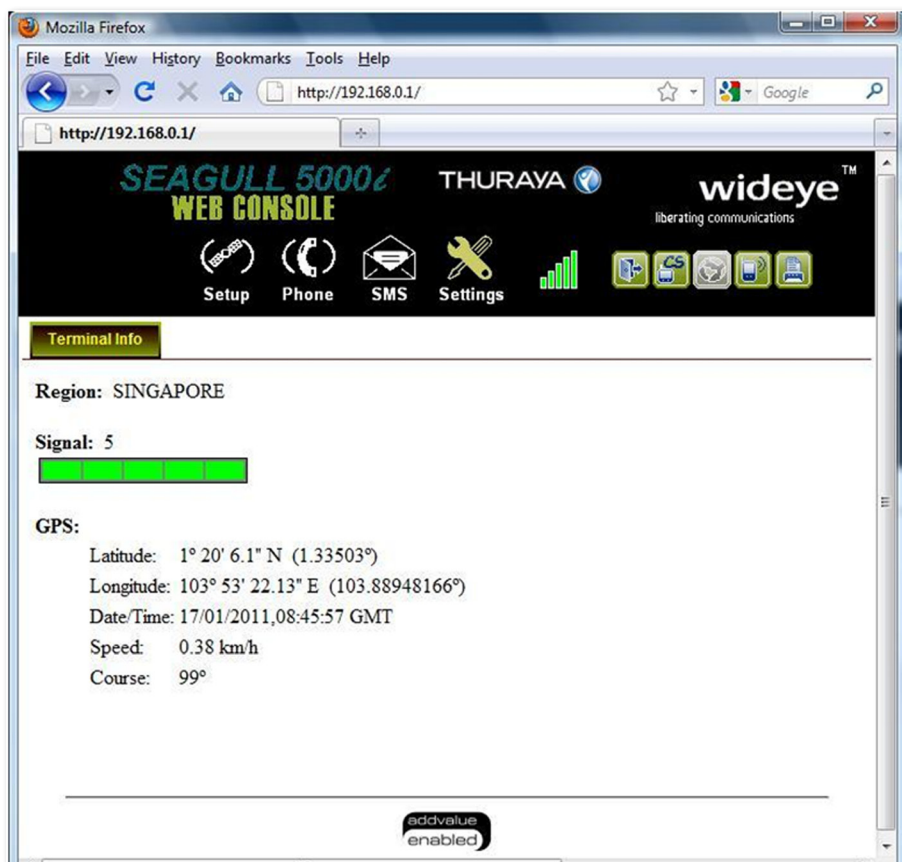
SMS icon: indicates when there is a new SMS.



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 5000z. |



Phone Menu

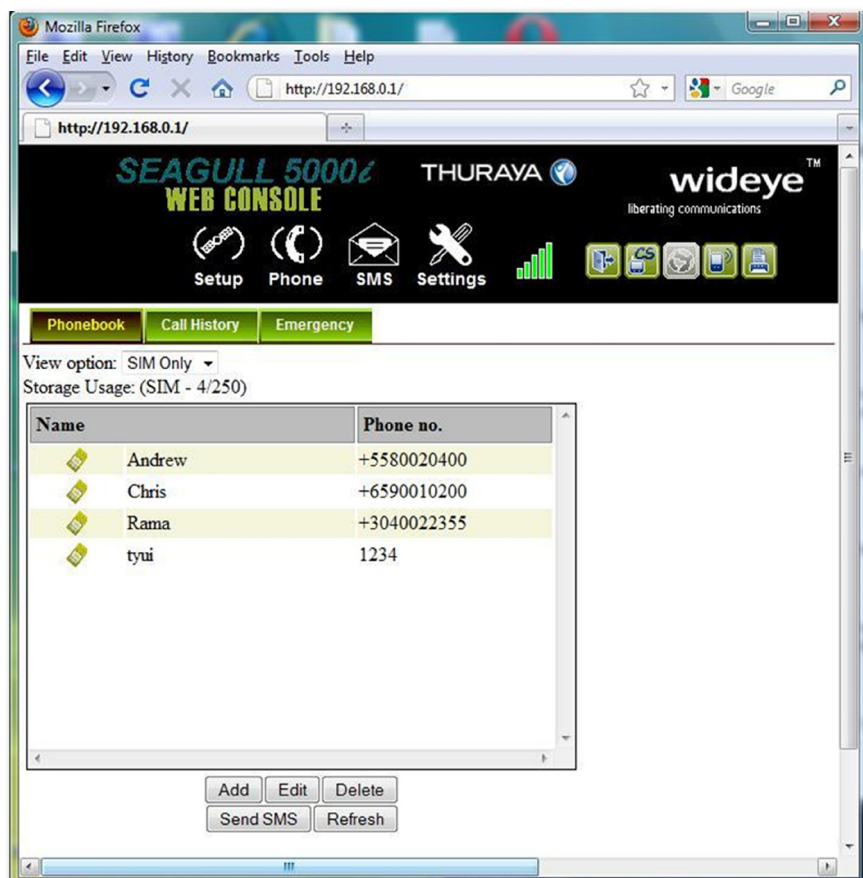
Phone menu provides the following options:

- **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





Phonebook

Call History

Emergency

View option: SIM Only

Storage Usage: (SIM - 4/250)

| Name | Phone no. |
|--|-------------|
|  Andrew | +5580020400 |
|  Chris | +6590010200 |
|  Rama | +3040022355 |
|  tyui | 1234 |

Add

Edit

Delete

Send SMS

Refresh

- 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**.

A dialog box titled "Adding Phonebook Record" with a close button (X) in the top right corner. It contains two text input fields: "Name:" and "Phone no.:". Below these fields are two radio buttons: "SIM" (selected) and "Terminal". At the bottom are two buttons: "Save" and "Cancel".

Adding Phonebook Record

Name:

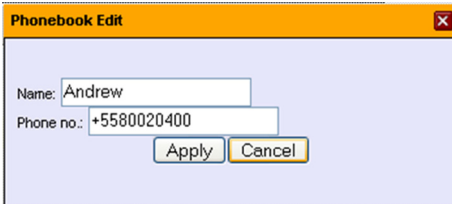
Phone no.:

Save Phonebook record in ☒ SIM ☐ Terminal

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**.

A dialog box titled "Phonebook Edit" with a close button (X) in the top right corner. It contains two text input fields: "Name:" with the value "Andrew" and "Phone no.:" with the value "+5580020400". At the bottom are two buttons: "Apply" and "Cancel".

Phonebook Edit

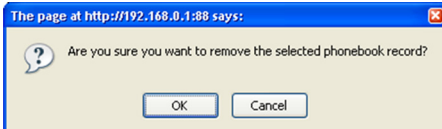
Name:

Phone no.:

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.

A confirmation dialog box with a blue title bar that reads "The page at http://192.168.0.1:88 says:". The main area has a light beige background and contains a question mark icon followed by the text "Are you sure you want to remove the selected phonebook record?". At the bottom are two buttons: "OK" and "Cancel".

The page at http://192.168.0.1:88 says:

Are you sure you want to remove the selected phonebook record?

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 green header bar. Below the header, there are four tabs: 'Compose', 'Inbox', 'Sent', and 'Draft'. The 'Compose' tab is active. Below the tabs, there is a 'Phone no.' field containing '0145150106' and a '0 / 160' indicator. A large text area for composing the message is below the phone number field. At the bottom, there are four buttons: 'Send', 'Save', 'Clear', and 'Append GPS'. Below these buttons, there is a checkbox labeled 'Store a sent copy in SIM' which 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 green header bar. Below the header, there are three tabs: 'Phonebook', 'Call History', and 'Emergency'. The 'Call History' tab is active. Below the tabs, there is a 'View option: All' dropdown menu. Below the dropdown, there is a table with four columns: 'Phone no.', 'Date', 'Time', and 'Duration'. The table contains two rows of call history data. Below the table, there are three buttons: 'Send SMS', 'Delete', and 'Refresh'.

| Phone no. | Date | Time | Duration |
|-------------|-----------------|----------------|----------|
| +6565095735 | Fri Jan 14 2011 | 02:38:14 +0800 | 00:00:47 |
| +6565095735 | Fri Jan 14 2011 | 02:14:29 +0800 | 00:00:47 |

- **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:

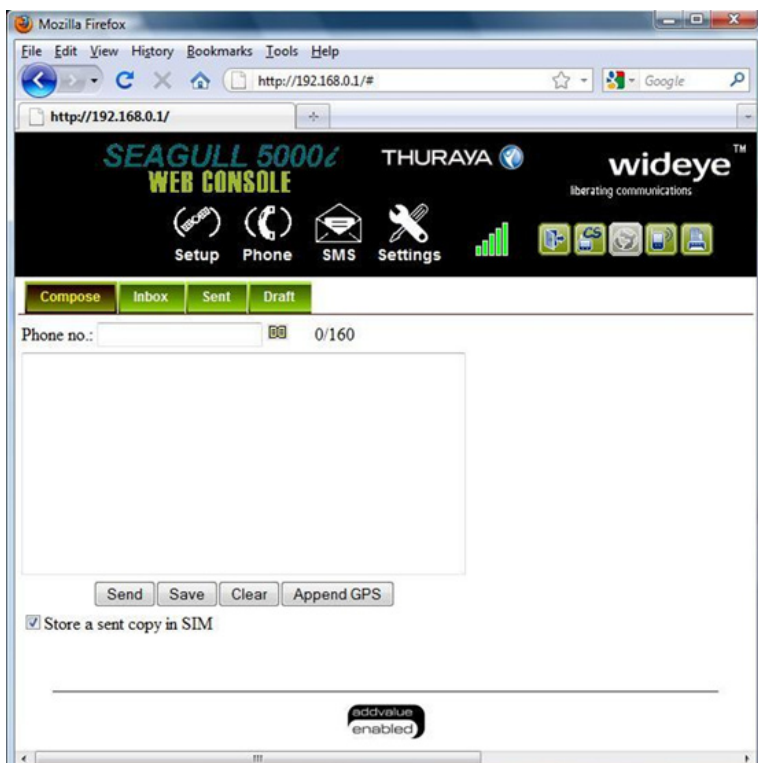
1. Select the entry from the Call History list.
2. Click **Delete**.
3. Click **Ok** to confirm or click **Cancel** to abort deleting the entry.
 - Click **Refresh** to refresh the Call History list.



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.

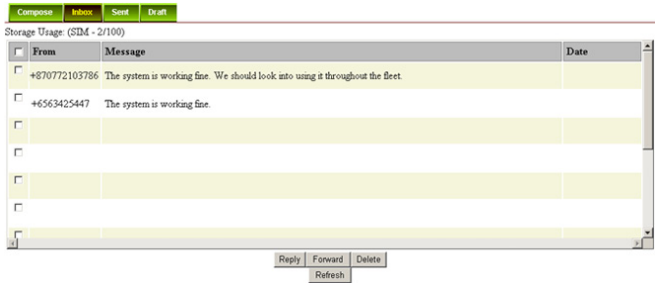
Note:

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

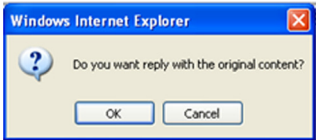
Shows the details (Sender information, Message, Date and Time stamp) of all SMS received.



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

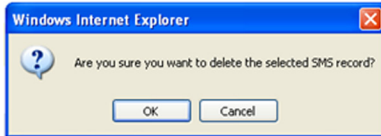
Follow these steps to forward an SMS:

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.



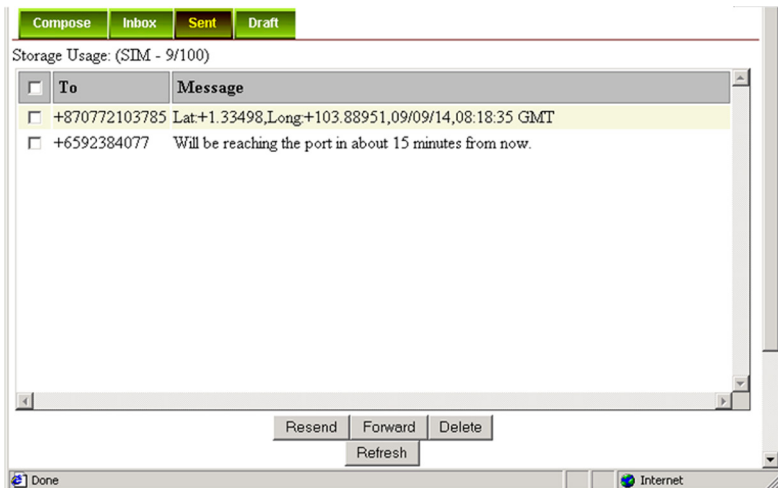
Deleting multiple SMS from the Inbox list

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.



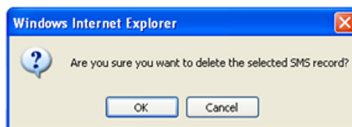
The screenshot shows the 'Compose' screen of a mobile application. At the top, there are four tabs: 'Compose' (highlighted in green), 'Inbox', 'Sent', and 'Draft'. Below the tabs, there is a 'Phone no.' field containing '+6592384077' and a status indicator '55 /160'. The main text area contains the message: 'Will be reaching the port in about 15 minutes from now.' At the bottom, there are four buttons: 'Send', 'Save', 'Clear', and 'Append GPS'. Below these buttons, there is a checkbox labeled 'Store a sent copy in SIM' which is checked.

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.



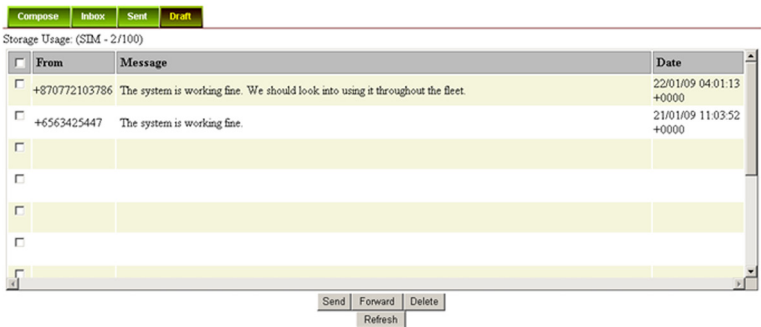
Deleting multiple SMS from the Sent list

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.

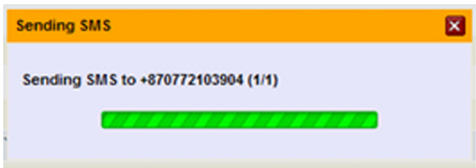
Draft

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:

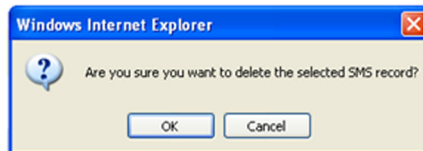
1. Click on a SMS to select it.
 2. Click **Forward**.
- The Draft console switches over to the Compose console.

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:

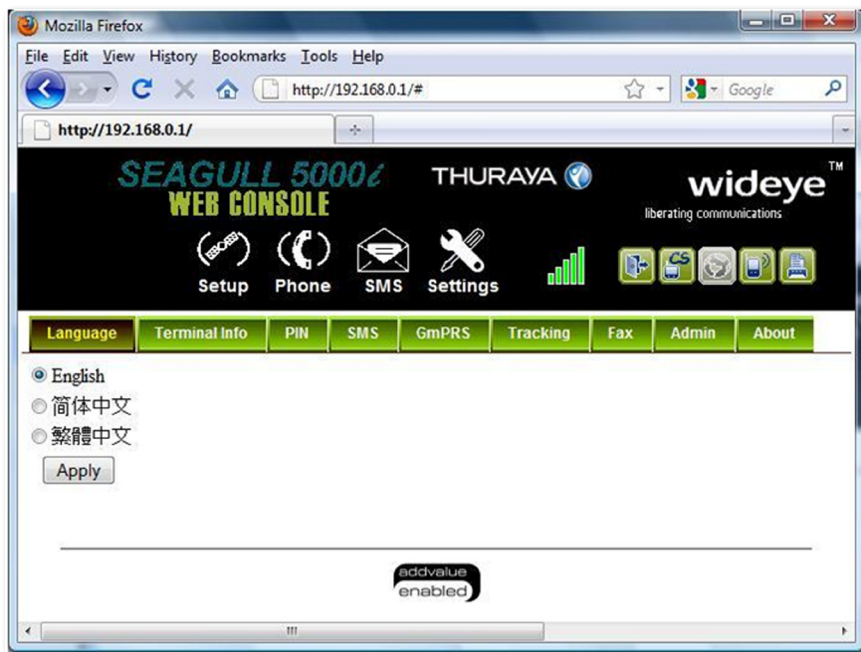
1. Select the message by checking the checkboxes beside each SMS.
2. Click **Delete**.
3. Click **OK** to confirm the delete, or **Cancel** to abort the delete.
 - Click **Refresh** to refresh the Draft list.



Settings Menu

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

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



Language

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

Language

Terminal Info

PIN

SMS

GmPRS

Tracking

Fax

Admin

About

☒ English

☐ 简体中文

☐ 繁體中文

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

Fax

Admin

About

Information

Call Log

Call/Data Usage

| | |
|---------------------|------------------------------|
| Software version: | Seagull5000i_FAX0.0.49x |
| Hardware version: | 3 |
| Modem version: | SM_V2.5 Apr 30 2009 15:42:37 |
| GPS module version: | SLC3.1.1GPS_APSI_TH_F1.0 |
| Model ID: | Seagull5000i |
| IMEI number: | 356013001031288 |
| IMSI number: | 901052741062617 |
| Subscriber number: | Not available |
| Mac Address: | 00:0B:68:01:59:3D |

- CALL Log**

Displays the CS (Circuit Switch), PS (Packet Switch) and Fax information of the terminal.

CS Call Log: Indicates the Circuit Switch status (Voice calls, SMS)

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

Information
Call Log
Call/Data Usage

Call Log Type:

CS
PS
Fax

| | Phone no | | Date | Time (GMT) | Duration |
|--|--------------|--|-----------------|----------------|--------------|
| | 150 | | Wed Jan 18 2017 | 06:34:00 +0800 | 000:00:00:15 |
| | 006591194149 | | Mon Jan 17 2011 | 07:36:14 +0800 | 000:00:00:00 |
| | 150 | | Mon Jan 17 2011 | 02:58:05 +0800 | 000:00:02:23 |
| | 150 | | Mon Jan 17 2011 | 02:55:14 +0800 | 000:00:01:00 |
| | 150 | | Fri Jan 14 2011 | 07:06:27 +0800 | 000:00:00:30 |

PS Call Log: Indicates the Packet Switch information (Internet Browsing, FTP, email)

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

Information
Call Log
Call/Data Usage

Call Log Type:

PS

| Date | Time (GMT) | Duration | Volume (Upload/Download) | IP Address |
|-----------------|----------------|--------------|--------------------------|---------------|
| Tue Jan 18 2011 | 06:57:27 +0800 | 000:00:12:17 | 2.3 KB / 1.86 KB | 85.115.79.180 |
| Tue Jan 18 2011 | 06:51:33 +0800 | 000:00:03:21 | 1.81 KB / 633 bytes | 85.115.78.215 |
| Tue Jan 18 2011 | 06:50:53 +0800 | 000:00:00:11 | 0 byte / 0 byte | |
| Tue Jan 18 2011 | 06:47:53 +0800 | 000:00:02:47 | 8.49 KB / 22.26 KB | 85.115.78.209 |
| Tue Jan 18 2011 | 06:44:50 +0800 | 000:00:00:32 | 1.98 KB / 913 bytes | 85.115.79.164 |
| Tue Jan 18 2011 | 06:43:42 +0800 | 000:00:00:36 | 1.49 KB / 633 bytes | 85.115.78.204 |
| Mon Jan 17 2011 | 07:31:42 +0800 | 000:00:07:01 | 8.77 KB / 16.19 KB | 85.115.79.57 |
| Mon Jan 17 2011 | 03:08:54 +0800 | 000:00:01:07 | 6.95 KB / 15.08 KB | 85.115.78.186 |
| Mon Jan 17 2011 | 03:07:18 +0800 | 000:00:00:21 | 2.98 KB / 1.21 KB | 85.115.79.141 |
| Mon Jan 17 2011 | 03:01:56 +0800 | 000:00:03:31 | 58.87 KB / 353.93 KB | 85.115.78.180 |

Fax Call Log: Indicates Fax information

Language

Terminal Info

PIN

SMS

GmPRS

Tracking

Fax

Admin

About

Information

Call Log

Call/Data Usage

Call Log Type:

Fax

| | Phone no. | Date | Time (GMT) | Duration | Number Of Pages |
|------------------------|-------------|-----------------|----------------|--------------|-----------------|
| <div><div></div></div> | +6565095735 | Fri Jan 14 2011 | 02:38:14 +0800 | 000:00:00:47 | 1 |
| <div><div></div></div> | +6565095735 | Fri Jan 14 2011 | 02:14:29 +0800 | 000:00:00:46 | 1 |

- **CALL/Data Usage**

Displays the call and data usage of the terminal.

| Language | Terminal Info | PIN | SMS | GmPRS | Tracking | Fax | Admin | About |
|-----------------|---------------|---|-----|-------|----------|-----|-------|-------|
| Information | | | | | | | | |
| Call Log | | | | | | | | |
| Call/Data Usage | | | | | | | | |
| | | Call Usage: | | | | | | |
| | | Current Call (Incoming): 00:00:00 | | | | | | |
| | | Current Call (Outgoing): 00:00:00 | | | | | | |
| | | Total Call (Incoming): 00:01:34 | | | | | | |
| | | Total Call (Outgoing): 00:03:53 | | | | | | |
| | | Total Call Usage: 00:05:27 <input type="button" value="Clear"/> | | | | | | |
| | | Data Usage: | | | | | | |
| | | Current Data (Upload): 0 byte | | | | | | |
| | | Current Data (Download): 0 byte | | | | | | |
| | | Current Data (Time): 00:00:00 | | | | | | |
| | | Total Data (Upload): 77.58 KB | | | | | | |
| | | Total Data (Download): 386.41 KB | | | | | | |
| | | Total Data Usage: 464 KB <input type="button" value="Clear"/> | | | | | | |

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.

The interface shows a blue box labeled 'SIM PIN' on the left. To its right, the title 'SIM PIN' is followed by two radio buttons: 'Enabled' and 'Disabled'. The 'Disabled' radio button is selected. Below this is a text input field labeled 'Enter PIN:' and an 'Apply' button.

SIM PIN

☐ Enabled ☒ Disabled

Enter PIN:

Apply

The interface shows a blue box labeled 'SIM PIN' on the left. To its right, the title 'SIM PIN' is followed by two radio buttons: 'Enabled' and 'Disabled'. The 'Enabled' radio button is selected. Below this is a text input field labeled 'Enter PIN:'. An 'Apply' button is positioned below the input field. Further down, the section 'Change PIN Password:' is shown, containing three text input fields labeled 'Enter Old PIN:', 'Enter New PIN:', and 'Re-enter New PIN:'. A 'Change PIN Password' button is located at the bottom of this section.

SIM PIN

☒ Enabled ☐ Disabled

Enter PIN:

Apply

Change PIN Password:

Enter Old PIN:

Enter New PIN:

Re-enter New PIN:

Change PIN Password

SMS

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

The interface shows the label 'Service Center Address:' followed by a text input field containing the number '+882161900000'. Below the input field are two buttons: 'Update' and 'Predefined SMSC'.

Service Center Address:

Update Predefined SMSC

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 | Fax | Admin | About |
|----------|---------------|-----|-----|--------------|----------|-----|-------|-------|

APN

APN

☒ Thuraya

☐ Optus

☐ User Defined

get

internet

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 | GPS Reporting: | <input type="radio"/> Enabled <input checked="" type="radio"/> Disabled |
| Geo Fence | Mode: | SMS ▾ |
| Emergency Text | Frequency: | 1800 |
| Authentication | Server Phone Number: | +6591194149 |
| | Server IP Address: | |
| | Server Port: | 0 |
| | Server Connection Type: | TCP ▾ |
| | Distance Interval: | 0 m |
| | Speed Limit (Alarm): | 0 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): | |
| | GmPRS Keep Alive Frequency: | 0 minutes |
| | <input type="checkbox"/> Enable external alarm | |
| Emergency: | | |
| | Resend Frequency: | 60 second(s) |
| | Maximum Number of Tries: | 9999 |
| | <input type="button" value="Update"/> | |

*'Resend Frequency' refers to the retry frequency when a distress alert fails to send out due to unexpected error (e.g. wrong SMSC number). This setting will not apply to successful sent emergency alerts.

*'Maximum Number of Tries' refers to the maximum of attempts when a distress alert fails to send out due to unexpected error (e.g. wrong SMSC number). This setting will not apply to successful sent emergency alerts.

- **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 | GPRS | Tracking | Fax | Admin | About | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|-------------------|--|---|----------|-----|-------|-------|---------|--------------|-------------------|--|--|-------------------------------------|-----|--------|--|---|-------------------------------------|----|-----------|--|---|--|--|--|--|--|--|--|--|--|--|-------------------------------------|--------|---------|--|---|--|--|--|--|--|--|--|--|--|--|
| Settings | Latitude/Longitude view format: <input checked="" type="radio"/> dddmm.mmmmm <input type="radio"/> ddd.dddddd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geo Fence | <table border="1"> <thead> <tr> <th>Enabled</th> <th>Trigger Type</th> <th>Type of Geo Fence</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>Out</td> <td>Circle</td> <td>Latitude: 112.0601 Longitude: 10332.0214 Radius: 300 m</td> <td>Edit Delete Apply</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>In</td> <td>Rectangle</td> <td>Latitude1: 112.0601 Longitude1: 10332.0214 Latitude2: 123.0601 Longitude2: 10354.0214</td> <td>Edit Delete Apply</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Add Delete Apply</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Add Delete Apply</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>In/Out</td> <td>Polygon</td> <td>Latitude, Longitude 100, 5000 100, 15000 5000, 7500</td> <td>Edit Delete Apply</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Add Delete Apply</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Add Delete Apply</td> </tr> </tbody> </table> | | | | | | | | Enabled | Trigger Type | Type of Geo Fence | | | <input checked="" type="checkbox"/> | Out | Circle | Latitude: 112.0601 Longitude: 10332.0214 Radius: 300 m | Edit Delete Apply | <input checked="" type="checkbox"/> | In | Rectangle | Latitude1: 112.0601 Longitude1: 10332.0214 Latitude2: 123.0601 Longitude2: 10354.0214 | Edit Delete Apply | | | | | 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 |
| Enabled | Trigger Type | Type of Geo Fence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | Out | Circle | Latitude: 112.0601 Longitude: 10332.0214 Radius: 300 m | Edit Delete Apply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | Add Delete Apply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Add Delete Apply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | Add Delete Apply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Add Delete Apply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emergency Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Authentication | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fax

- **Setting**

1. Number of Retries

- Send

Select this to set the number of retries for outgoing fax. Set to zero indicates that there will be no attempt to resend the fax when the UE failed to send the fax.

Note:

Airtime charge may apply for each retry attempt.

- Print

Select this to set the number of retries for fax printing once the UE has received an incoming fax. Set to zero indicates that there will be no attempt to reprint the fax when the UE failed to print the received fax to the connected fax machine.

2. Discard all pending Fax jobs after power cycle

- Select this to discard all pending fax jobs upon power reset. Leave the box blank for the UE to resume last pending fax jobs when fax transactions are interrupted due to power reset.

3. Print Report

Select this to configure settings related to the printing of fax reports. The following settings are available:

- **Incoming**

- a) Enabled

Select this to allow printing of report for incoming fax.

- b) Disabled

Select this to disable printing of report for incoming fax.

- c) Error Only

Select this to print error report only. Error report is printed when there is any error detected during the fax transaction.

- **Outgoing**

- a) Enable

Select this to allow printing of report for outgoing fax.

- b) Disable

Select this to disable printing of report for outgoing fax.

c) Error Only

Select this to print error report only. Error report is printed when there is any error detected during the fax transaction.

Note:

All changes in the setting must complete with the “Update” button press once

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

Settings

Number of Retries:

Send:

Print:

☐ Discard all pending Fax jobs after power cycle

Print Report:

Incoming:

☐ Enabled

☐ Disabled

☒ Error Only

Outgoing:

☒ Enabled

☐ Disabled

☐ Error Only

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.

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

Change Password

Firmware Upgrade

Reboot Terminal

Factory Reset

System Operation Mode

Old Password:

New Password:

Re-type Password:

Update

addvalue

enabled

- **Reboot Terminal**

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

Change Password

Firmware Upgrade

Reboot Terminal

Factory Reset

System Operation Mode

Click on the button to reboot the Terminal:

Reboot

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 **000000** 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 & Tracking**
Data centric operating mode. You can browse Internet in this mode with GmPRS (Internet) based tracking enabled.
- **Phone & SMS Tracking**
You can make/receive voice calls or send/receive SMS in this mode. Additionally, SMS based tracking is enabled in this mode.

[Change Password](#)[Firmware Upgrade](#)[Reboot Terminal](#)[Factory Reset](#)[System Operation Mode](#)**System Operation Mode:**

- ☒ Phone Only
- ☐ GmPRS Only
- ☐ GmPRS & Tracking
- ☐ Phone & SMS Tracking

[Update Settings](#)

Using the FaxConnect (Optional Accessory)

- Connect the G3 Fax machine and Seagull 5000 to FaxConnect as shown below.
- Make sure to insert a fax enabled Thuraya SIM card in Seagull 5000 BDU.

BDU FRONT PANEL






5.1 Sending a Fax

5.1.1 Feed the document you wish to send out to the fax machine.

5.1.2 Dial the recipient number in the following format and press the 'START' button on the fax machine.

<00><Country code><Telephone number>




5.1.3 Sending fax will take place in two phases. In the 1st phase, fax machine will scan the document(s) and send the data to Seagull 5000 terminal with an icon  being displayed in the webconsole. In the 2nd phase, Seagull 5000 terminal will send the fax data out to the recipient through the Thuraya network with an icon  being displayed in the webconsole. During this period, the handset will display the out-going fax icon .

5.1.4 If the sending is not successful, an error message will be shown on the handset display. An error report can be printed out on the fax machine depending on the **Print Report** configuration.

5.1.5 **Note:**

The procedure may vary with different fax machines. Refer to the operating manual of the fax machine if necessary.

5.2 Receiving a Fax

5.2.1 When there is an incoming fax, receiving fax will take place in two phases. In the 1st phase, Seagull 5000z terminal will receive the fax data from Thuraya network with an icon  being displayed in the webconsole. In the 2nd phase, the terminal will forward the incoming fax data to the fax machine. After the ringing, If the fax machine answers the call. An icon  will be displayed in the webconsole. During this period, the handset will display the in-coming fax icon .

Troubleshooting

Warnings

Servicing

SEAGULL 5000~~z~~ 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~~z~~ 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~~z~~ 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~~z~~ antenna gets damaged, please take it to an authorized Service Provider.

General

Do not place SEAGULL 5000~~z~~ in a wet area.

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

Do not expose SEAGULL 5000~~z~~ to moisture, dust etc.

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

Do not expose SEAGULL 5000~~z~~ to direct sunlight.

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

Care and Maintenance

SEAGULL 5000~~z~~ 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~~z~~ and may violate regulations regarding radio devices.

If the SEAGULL 5000~~z~~, 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's display).

The cable connections are not proper and firm.

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

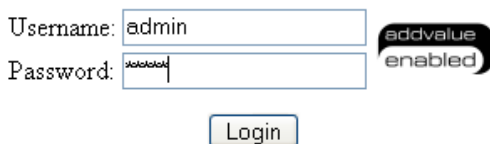
FAQ

Question:

How can I access the WebConsole?

Answer:

You need a PC/laptop and an Ethernet cable to connect to the RJ45 port of the BDU in order to access the WebConsole. Open a web browser and type `http://192.168.0.1` in the address field. The default user name and password are **admin**.



The image shows a web browser login interface. It has two input fields: 'Username:' with 'admin' entered, and 'Password:' with a masked password '*****'. To the right of the password field is a black button with white text that says 'addvalue enabled'. Below the input fields is a 'Login' button.

Question:

Error 'executing AT+cpin?' is seen when I am trying to access the WebConsole. Why?

Answer:

Because there is only one AT command interface with the modem, if the modem is busy processing another AT command (for example activating GmPRS or CS call), then another Terminal Equipment (TE) try to query information using AT command (in this case WebConsole), then most probably it will timeout or give error. Refreshing the web page will usually solve the problem. If not, wait for the SAT LED on the BDU has turned orange or green before retrying.

Question:

Does the Seagull 5000 unit support over the air (OTA) firmware upgrade?

Answer:

Seagull 5000 does support BDU over the air (OTA) firmware upgrade provided it has GmPRS tracking enabled and the device is already connected to the server. Server will issue a command to the unit to retrieve the appropriate firmware. Please refer to the latest protocol document for more information.

Question:

Inside the call log, why am I getting time offset for all the call history?

Answer:

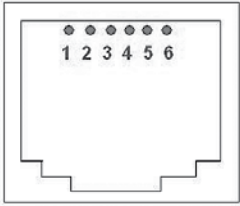
You need to manually configure your time zone in order to get an accurate call log. You can go to **Phone manager>>Local time zone** to adjust your time zone. The default time zone is UTC+8.

Question:

What can I do with the external I/O interface?

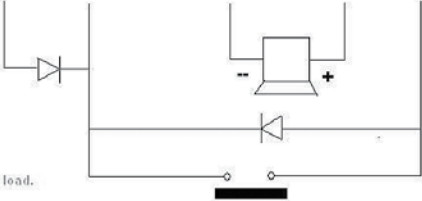
Answer:

The I/O connector allows you to install an external buzzer and an external alert button. The buzzer is working as an external ringer to indicate an incoming call. The external alert button behaves in the same manner as the internal Alert button. A momentary push button is recommended. Below illustrates the recommended configurations.



Front view of IO connector

| | Pin1 | Pin2 | Pin3 | Pin4 | Pin5 | Pin6 |
|-------------|---|---|--|--|--|---|
| Signal name | Test | Switch_COM | NC | Buzzer_GND | Buzzer_OUT | EXT_Switch |
| Description | Reserve for future use. Connect a diode across this pin (anode) and Pin2 (cathode). | Connect a switch across this pin and Pin6 to form an external panic button. | Reserve for future use. Leave it open. | Ground reference of the external Buzzer. | 12V DC * output to drive an external Buzzer. | Connect a switch across this pin and Pin2 to form an external panic button. Connect a diode across this pin (anode) and Pin2 (cathode). |



* Note that the 12V output is capable of driving up to 150mA load.

In order to enable/disable this external alert button, you can go to **Settings>>Alarm reporting>>Panic button>>External** for configuration. In order to enable/disable the external buzzer, you can go to **Settings>>Alarm reporting>>External buzzer** for configuration.

Question:

What is the difference between the Factory reset function inside the Terminal menu and the Phone manager menu?

Answer:

The factory reset function in the **Phone manager** menu will clear the user settings inside the phone. Those settings include wallpaper, backlight, tone, volume, language, caller ID, time zone and speed dialling.

On the other hand, the factory reset function in the **Terminal** menu will clear the user settings inside the BDU. Those settings include GPS reporting, operating mode, alarm reporting, geo-fencing, call log and APN. A system reboot will take place after the factory reset.

Question:

How can I protect the confidential configurations (e.g. GPS reporting settings, operating mode settings, etc)?

Answer:

You can enable the password protection for these confidential configurations. It is under **Security settings>>Tracking** in the handset menu. Once it is enabled, user needs password to access the following menus, **Settings>>Operating mode, Settings>>GPS reporting, Settings>>Alarm and Settings>>Geo-fencing**. The default password is 000000.

SMS RELATED

Question:

I am not able to send SMS in GmPRS mode or GmPRS plus Tracking mode. Why?

Answer:

In order to send an SMS in this mode, the unit has to terminate the current GmPRS session, thus incurring more overheads to the user. The unit is designed in a way that SMS can only be sent in either Phone only mode or SMS tracking mode. If user really wants to send an SMS in GmPRS mode or GmPRS plus Tracking mode, he or she should select a suitable operating mode before composing the SMS. However, user is still able to receive incoming SMS in GmPRS mode or GmPRS plus Tracking mode.

Question:

I am not able to receive SMS in GmPRS mode or GmPRS plus Tracking mode. Why?

Answer:

You should be able to receive SMS immediately in these 2 modes most of the time. However, the receiving will be delayed if there is a continuous IP (GmPRS) data transfer going on. This may be due to heavy internet surfing, large size file download/upload, Windows updates, PC software update and frequent GPS location update. If you are expecting a timely SMS receiving in these 2 modes, please try to limit the internet usage, turn off the automatic windows and software updates and adjust the GPS reporting frequency to be more than 1 minute. But before that, make sure the SIM is not full.

Question:

Is there any command that I can send via SMS to remotely reboot the Seagull 5000 unit?

Answer:

Yes. Remote reboot of system is supported. The command is mentioned in the protocol document. Refer to the 'Master Reset' portion for more information.

This method will work provided,

1. You are using the authorized SIM to send the SMS, which means your number has been configured as one of the 3 authorized numbers inside the Seagull 5000 unit.
 2. The SIM in the unit is not full.
-

GMPRS RELATED

Question:

How can I change the GmPRS APN?

Answer:

The APN setting is under Data menu in the handset. Similar setting is also available in WebConsole.

Question:

Why does the Seagull 5000 keep rebooting at fixed intervals with GmPRS enabled?

Answer:

After certain numbers of tries, if the unit is still not able to establish the GmPRS connection, system reboot at fixed interval is anticipated. This could be due to,

1. GmPRS service is not activated in the SIM. You need to firstly activate the GmPRS service in your SIM before you can initiate a GmPRS session.
2. Poor coverage of the GmPRS network at the particular location.

Question:

Why does the Seagull 5000 keep rebooting at fixed intervals with GmPRS Tracking enabled?

Answer:

After certain numbers of tries, if the unit is still not able to initiate a tracking session, system reboot at fixed interval is anticipated. This could be due to,

1. GmPRS service is not activated in the SIM. You need to firstly activate the GmPRS service in your SIM before you can initiate a GmPRS session.
 2. Poor coverage of the GmPRS network at the particular location.
 3. Invalid tracking server IP address or port number. Please make sure valid information is filled up inside **Settings>>GPS reporting** menu.
 4. Failure to connect to the tracking IP address and port number. Please make sure the backend tracking server is running properly on the configured IP address and port number.
-

Question:

Why does the Seagull 5000 keep rebooting at random intervals with GmPRS enabled (NO Tracking enabled)?

Answer:

The random reboot could be mostly due to

1. Unstable power supply to the unit. Generally speaking, the recommended operating voltage ranges from 10.8V to 31.2V. The recommended operating power will be 10W for the standard passive antenna system and 30 to 40W for the active antenna systems, depending on the types of antenna used.
-

Question:

Why does the Seagull 5000 keep rebooting at random intervals with GmPRS tracking enabled?

Answer:

The random reboot could be mostly due to the following two reasons

1. Unstable power supply to the unit. Generally speaking, the recommended operating voltage ranges from 10.8V to 31.2V. The recommended operating power will be 10W for the standard passive antenna system and 30 to 40W for the active antenna systems, depending on the types of antenna used.
 2. Heavy traffic on the Ethernet port due to large-size file downloading or multi-pages web surfing, which disrupt the tracking functions.
-

TRACKING RELATED

Question:

Does Seagull 5000¿ support Global Maritime Distress Safety System (GMDSS)?

Answer:

It is not GMDSS compliant. However, it does support a distress alert functionality.

Question:

What is the distress alert functionality that Seagull 5000¿ supports?

Answer:

There is a yellow distress alert button on the BDU. Once it is pressed, pre-defined distress messages will be sent via SMS or GmPRS.

Question:

How can I configure the distress alert functionality of Seagull 5000¿?

Answer:

Seagull 5000¿ supports distress alert via either SMS or GmPRS. You can select the mode under **Settings>>GPS reporting>>Mode** in the handset menu.

When SMS mode is selected, reporting SMS server number must be defined in order to receive SMS distress alerts. The SMS server number can be configured under **Settings>>GPS reporting>>SMS number** in the handset menu. Distress alerts will be in the form of protocol messages under this configuration. Please refer to the protocol document for more information.

When SMS mode is selected, if you want to receive pre-defined SOS messages, emergency numbers and emergency messages must be pre-configured. They can be configured under **Settings>>Alarm>>Alert button>>Emergency num** and **Settings>>Alarm>>Alert button>>Emergency text** in the handset menu. GPS information will be appended to the pre-defined SOS message.

When GmPRS mode is selected, tracking IP address and port number must be defined in order to receive GmPRS distress alerts. These 2 fields can be configured under **Settings>>GPS reporting>>Server IP Address** and **Settings>>GPS reporting>>Server Port Number** in the handset menu. Distress alerts will be in the form of protocol messages under this configuration. Please refer to the protocol document for more information.

Similar menus are available in the WebConsole.

Question:

Do I need to enable GPS reporting in order to have the distress function?

Answer:

No. Distress alerts will be sent out even if the GPS reporting is disabled. However, you need to pre-configure the alert mode and the related configurations (e.g. alert server number) in order to receive the alert.

Question:

The server is receiving multiple distress alert messages with the same GPS information (latitude, longitude, heading, speed, etc). Why?

Answer:

Distress alert is considered a critical emergency event. The alert flag will not be cleared until the server acknowledgement is received. Please refer to the 'Disable Alarm' section for more information on how to acknowledge the distress alert message. The same alarm message will be sent upon every system reboot until it has been acknowledged.

Question:

What will happen if the distressed button is pressed multiple times?

Answer:

Multiple distress alerts will be sent. However, only one 'Disable Alarm' message is required to clear the distress flag.

Question:

In case a distress alert fails to send out, will Seagull 5000~~z~~ retry?

Answer:

In case a distress alert is triggered, but Seagull 5000~~z~~ fails to send out alert message due to various reasons, e.g. alert recipient information is not configured properly; SMSC number is configured wrongly, Seagull 5000~~z~~ will still retry sending the alert message at certain time intervals with a maximum number of retries. These can be configured in the WebConsole under **Settings>>Tracking>>Emergency>>Resend Frequency** and **Settings>>Tracking>>Emergency>>Maximum Number of Tries**.

Question:

How can I know my GPS tracking ID? Is it unique?

Answer:

You can find your tracking ID under **Settings>>GPS reporting>>Unit ID**. All the Seagull 5000~~z~~ units should have unique tracking IDs.

FAX RELATED

Question:

Will a pending fax job survive a power cycle?

Answer:

Seagull 5000~~z~~ classifies fax jobs into 4 categories, namely Send, Receive, Scan and Print. Sending and receiving faxes are satellite network activities while scanning and printing are local activities involving the connected fax machine. Seagull 5000~~z~~ can reinstate Sending and Printing activities, but not Receiving and Scanning.

There is an option in Seagull 5000~~z~~ for the user to configure whether the unit should resume the last pending fax job (either printing or sending) when the fax transaction was interrupted due to a power failure or a reset. In the handset menu, it is under **Settings>>Fax>>Power Cycle Disc**. In the WebConsole, it is under **Settings>>Fax>>Discard all pending Fax jobs after power cycle**.

Question:

What is the maximum number of pages for sending and receiving faxes at one time?

Answer:

20 pages. Please note the maximum number of pages that can be put in the fax machine paper tray also.

Question:

How can I know whether the fax job is successful or not?

Answer:

Status indicator icons will be displayed on the handset and WebConsole user interface when there is a fax transaction.

At the end of the transaction, messages such as, **[phone number] Sending FAX - Successful**, **[phone number] Sending FAX - Unsuccessful**, **[phone number] Receiving FAX - Successfully** or **[phone number] Receiving FAX - Unsuccessful** will appear on the handset screen for a few seconds before they disappear.

A similar report will be printed if the user enables the Print Report option. In the handset, it is under **Settings>>Fax>>Print Report**. In the WebConsole, it is under **Settings>>Fax>>Print Report**.

In addition to the handset messages and the printed report, the unit will keep track of the last 20 fax transactions inside the log page, which include missed fax calls, outgoing fax calls and incoming fax calls. In the handset, the log page is under **Log>>Fax**. In the WebConsole, it is under **Settings>>Terminal Info>>Call Log>>Fax**.

Question:

What should I do if the fax machine connected to FaxConnect is always complaining 'unable to send'?

Answer:

Seagull 5000~~z~~ should be able to work with most of the G3 fax machines without adjusting any configuration settings.

However, due to certain special settings or compatibility issues, such problems may happen. Below is a checklist you can try when you encounter such problem.

- a. Ensure that the interface cable is securely connected between the FaxConnect and Seagull 5000~~z~~ BDU.
- b. Ensure that the POWER LED of the FaxConnect is ON.
- c. Ensure that the IN USE LED of the FaxConnect is ON when the fax machine is off-hook.
- d. Set the resolution of the fax machine to STANDARD.
- e. Make sure that the paper is properly fed to the fax machine.
- f. Set the fax machine operating mode to FAX ONLY.
- g. Try a different dialing method. (e.g. press HOOK on the fax machine first, key in the phone numbers and then press START.)
- h. Reduce the TX speed of the fax machine.
- i. Reboot the fax machine.
- j. Factory reset the Seagull 5000~~z~~ BDU.

Question:

What should I do if my fax sent from the fax machine connected to the FaxConnect is not received by the recipient, even though my fax machine is saying 'transmission successful'?

Answer:

The fax function of Seagull 5000~~z~~ is done in store and forward manner. Fax data is firstly buffered into the Seagull 5000~~z~~ before the satellite fax call is made. Therefore, there might be some discrepancy between the job status indicated by the fax machine and the actual result at that point of time. User is advised to check the status on the handset or the WebConsole UI as described in one of the other FAQs.

However, it should not take more than 5 minutes for the receiving party to receive the fax call. If it takes longer than expected, follow the below checklist to identify and solve the problem.

- a. Ensure that the SIM card of the sending Seagull 5000~~z~~ is fax enabled. If the receiving end is also a Seagull 5000~~z~~ setup, the SIM has also to be fax enabled. Consult the service provider if required.
- b. Make sure that, the antenna has a clear satellite view and the signal strength is 4 or 5 bars on the handset.
- c. Make sure that the power supply is adequate especially for an active antenna setup.
- d. Make sure that the receiving party has turned on the fax machine.
- e. Execute factory reset on the Seagull 5000~~z~~ BDU to see whether the problem still exists.
- f. Reboot the fax machine and try again to see whether the problem still exists.

A retry mechanism is implemented in the Seagull 5000~~z~~ to improve the fax success rate. The user can increase the number of retries when the unit fails to deliver the fax. In the handset, the option is under **Settings>>Fax>>Num. Of Retries**. In the WebConsole, it is under **Settings>>Fax>>Number of Retries**. But please note that airtime charges will apply for each retry.
