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USERGUIDE

StratosNet[®] 2.0

Quick Reference Guide

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1 Introduction

This Quick Reference Guide has been prepared to provide some useful tips when installing and using StratosNet 2.0, but also for you to determine whether or not this is the best solution for your requirements.

First and foremost, StratosNet is an Internet service, customized for optimum connectivity using a satellite terminal. It is capable of email, File Transfer (FTP) and optional web browsing. If your main requirement is to send large files on a regular basis over a relatively slower link (such as mini-m), or if you need to send telex, fax and email from within one software application, then we recommend that you use StratosOne as the more suitable application to meet your needs.

The StratosNet Internet Service provides many standard features that are of great value to the end user, such as:

- StratosNet is free. There are no registrations or monthly subscription fees.
- Free and automatic spam and virus protection.
- Free and automatic compression of all data sent over the satellite link, providing on average 80 to 90 % compression¹.
- Free FTP (File Transfer Protocol) username and password access in addition to standard Internet email, This can be used for easy and more efficient file transfer, as opposed to sending relatively larger files as email attachments.
- Readily available for use with MPDS (packet data) now available on many Inmarsat services including Fleet, GAN, BGan, R-BGan and Swift64.
- Web browsing is optional, for those that do not want this capability, particularly if using a slower speed service such as mini-m. This option is selected at the time of registration.
- Access to your StratosNet email account using any web browser, from shore (or vessel) using StratosNet webmail at webmail.stratosnet.com.
- Webmail provides many valuable and easy to configure email filters for your further security, completely under your control.
- Convenient online registration at our public website www.stratosglobal.com.
- StratosNet is also downloadable at [ftp.stratosnet.com](ftp://ftp.stratosnet.com) with username and password `ftpdownload`, however the download is approximately 120 MB so caution is advised. We recommend that you request the CD from Stratos or a Stratos distributor.

2 Recommended File Sizes

StratosNet is an Internet Service application optimized for satellite terminal connectivity. If there is a significant requirement for sending files and / or file attachments via email, below are the Stratos recommended maximum file sizes that should be considered for sending over each satellite technology using the StratosNet Internet Service.

These recommendations are based on the standard terminal data speed and the terminal's ability to maintain connection over the satellite for relatively longer periods of time (particularly in the maritime environment of variable sea states), as opposed to any perceived lack of functionality with StratosNet.

¹ Actual compression ratio is dependant on file size, application and content.



3 Is StratosNet suitable for your File Transfer Requirements?

Service	File Size					
	10 KB	50 KB	100 KB	200 KB	500 KB	1 MB
Inmarsat mini-M	✓	✓	✓	-	-	-
Inmarsat-M	✓	✓	✓	-	-	-
MSat / MSV (N. Amer)	✓	✓	✓	-	-	-
Iridium	✓	✓	✓	✓	-	-
Inmarsat-B 9600	✓	✓	✓	✓	-	-
Inmarsat-A (19200 nominal)	✓	✓	✓	✓	-	-
Inmarsat-B HSD	✓	✓	✓	✓	✓	✓
Fleet HSD	✓	✓	✓	✓	✓	✓
MPDS	✓	✓	✓	✓	✓	✓
GAN	✓	✓	✓	✓	✓	✓
R-BGAN	✓	✓	✓	✓	✓	✓
BGAN	✓	✓	✓	✓	✓	✓

4 Getting Started: Installation

- Insert the StratosNet 2.0 CD into your computer's CD-ROM Drive. The Welcome screen will appear.

TIP: If the Welcome screen does not appear when you insert the CD into your computer, select **Start -> Run** and enter **d:\welcome.exe** in the open field. (Replace "d:" with the drive letter of your CD-ROM drive. For example, in many cases it may be "e:").

- Select 'Skip to Installation', then 'Start Installation'.
- When Install Shield has started, Press '**Next**'.
- Read the Supplemental Terms and Conditions, then press '**I accept the terms of the license agreement**', and press '**Next**'.
- It is recommended that you select '**Complete**' as the setup type, then press '**Next**'.

TIP: During the installation process you may be asked to insert your Windows operating system CD to install Windows system components, or to accept Microsoft end user license agreements before installation will continue.

- When asked 'Would you like to enable guest access?' select '**Yes**' or '**No**' according to your preference.

TIP: Selecting Guest Access will allow connection to the Internet without the need for a username and password. There is no e-mail account associated with Guest Access.

- Press 'OK' when asked to install the Venturi Enhanced Compression. This is the compression software that will automatically run in the background every time you Start StratosNet.
- The Venturi Client Installation will tell you that your computer will restart after installation is complete.
- Press '**OK**'.
- Press '**Next**' when the Venturi Client installation Welcome dialog appears.



- Press **'Yes'** to accept the Venturi Client license agreement.
- Press **'Next'** to select the default Venturi Client installation location.
- Next, 'Files Successfully Updated' should be displayed. Press **'OK'**.
- Press **'Finish'** to complete the Venturi Client installation. Your PC will now be restarted automatically in order for the changes to take effect.
- When your computer restarts, you will be asked to Configure StratosNet.

5 Configuration

- When your computer restarts you will be asked to start the StratosNet Configuration Wizard.
- Press **'OK'**.
- The StratosNet configuration wizard will start. Press **'Next'** to continue.
- The 'Search for Satellite Terminals' page will be displayed. Select **'Yes, attempt to automatically detect terminals'**, then press **'Search for Terminals'**.

TIP: The wizard will only detect satellite terminals that are connected to your computer via a COM port at the time that StratosNet is being installed. The wizard will not detect a Regional BGAN or BGAN unit, or non satellite terminal equipment, for example, analog modems for Inmarsat-A terminals, ISDN terminal adapters or KlasHopper HSD adapters.

TIP: To narrow the search, select the COM port to which the satellite terminal is connected, from the drop down list.

TIP: If the wizard does not detect your satellite terminal, Press **'Cancel Detect'**.

- If the wizard did not detect your satellite terminal, or if you want to manually select your satellite terminal, select **'No, let me manually select a terminal'**, then press **'Next'** to continue.
- The 'Select your satellite terminal' dialog will appear.
- Select the appropriate satellite service, terminal manufacturer and model from the drop down lists, then press **'Next'** to continue.

TIP: If your satellite terminal is not listed, please contact Stratos Customer Care, or check the StratosNet® website at www.stratosnet.com to see if a modem driver update is available for your satellite terminal. This is because the terminal may have been introduced to the market after the StratosNet CD was created.

- If you are using a satellite terminal which has multiple connection methods (e.g. Inmarsat Fleet or GAN with 56 / 64kbps and MPDS capabilities), you will be asked to 'Select Data Service(s)'.
- Select the required services from the list and press **'Next'** to continue.

TIP: It is best to select both the High Speed Data (ISDN) and MPDS options so that you can easily switch between them at any time in the future.

- You will now be asked to select and install the appropriate modem driver(s) for your satellite terminal.
- Follow the on screen instructions to add the recommended Stratos modem driver for your satellite terminal.

TIP: If you are using an Inmarsat Fleet or GAN terminal which requires an ISDN terminal adapter to establish 56/64kbps connections, please consult the relevant Stratos Application Note or manufacturer's documentation to

install and configure your terminal adapter before proceeding.

TIP: If you are using an Inmarsat B and want to use 56 / 64 HSD connections, you will need to use a KlasHopper HSD Adapter. Please consult the relevant Stratos Application Note or KlasHopper documentation to install and configure the adapter before proceeding.

TIP: If you are using an Inmarsat A terminal, an analog modem is required. Please ensure the proper drivers for your analog modem are installed before proceeding.

- When you have installed and selected the recommended driver from the modem drop down list, press '**Next**' to continue.
- You will be asked for your 'Account Details'.
- Enter your StratosNet account details, and press '**Next**' to continue.
- You will be presented with the 'Summary' dialog. Please ensure all information is correct. Press 'Finish' to complete the configuration, or press '**Back**' to make any changes.
- Congratulations! You have successfully configured a StratosNet® user profile.
- You can also create additional profiles with different StratosNet email accounts or different terminal types by simply choosing New at the startup of StratosNet. Once the profiles have been created, simply choose your profile from the list displayed when you start StratosNet.

6 Establishing a Connection

- Start the StratosNet 2 client.
- Select 'Connect to StratosNet'.

TIP: To minimize time connected over the satellite, you should compose and Send all email messages prior to making the satellite connection. Messages in your email Outbox will automatically be sent upon establishing a connection.

- If you are using a profile with multiple connection types (e.g. Inmarsat Fleet or GAN with High Speed Data and MPDS), select the appropriate data service from the drop down list.
- Type your StratosNet® password in the appropriate field.

TIP: If you would like the StratosNet 2 client to remember your logon credentials, press the 'Save Logon Info' button.

Press 'Connect' to establish a connection to the StratosNet service.

7 Additional StratosNet User Tips

Ensure all connections are established using the StratosNet 2 Client application, since the StratosNet 2 Client enables and disables the Venturi Enhanced Compression Agent when the StratosNet 2 client is opened and closed. You will notice a red X through the purple Venturi 'V' in your computer's system tray when the StratosNet® 2 client is closed. This indicates that the Venturi Client is disabled. Compression will be automatically enabled when you start StratosNet again.

StratosNet uses the industry standard pop3 protocol for email. As such, you must ensure that all messages are downloaded before disconnecting from StratosNet or they will not be deleted from the e-mail server. Therefore, if you disconnect before all messages are downloaded, the messages will remain in the e-mail server and will be downloaded again upon your next connection. This is an inherent characteristic of any pop3 email server.

It is highly recommended that you use the StratosNet Webmail service at webmail.stratosnet.com to configure



any number of email filters. You can use any web browser to access your StratosNet mailbox to set maximum file sizes that others can send to you, as well as to limit who can and cannot send email to your StratosNet account (black and white lists).

TIP: Use the Subject Line filter to set a password that must be included in every message incoming to your mailbox.

About Stratos

Stratos is the world's trusted leader for vital communications. With more than a century of service, Stratos offers the most powerful and extensive portfolio of remote communications solutions including mobile and fixed satellite and microwave services. More than 20,000 customers use Stratos products and industry-leading value-added services to optimize communications performance. Stratos serves U.S. and international government, military, first responder, NGO, oil and gas, industrial, maritime, aeronautical, enterprise, and media users on seven continents and across the world's oceans. For more information visit www.stratosglobal.com.

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