

Introduction

Inmarsat-A operates a little differently than the Inmarsat digital services of B, M, Mini-M and M4 and therefore has slightly different requirements for data communications. This application note illustrates the best means to take advantage of the new StratosNet Internet service, in conjunction with the upgraded Stratos Inmarsat-A service, which provides data connectivity speeds up to 19.2 Kbps.

Requirements

- Inmarsat-A terminal with a 2-wire or 4-wire telephone interface
- Analog Modem (internal or external) with support for V.32bis (28.8 Kbps)
- PC with Windows 95, 98 or NT 4.0 and a CD ROM
- The *StratosNet* installation CD
- *StratosNet* user name and password

Procedure

Step 1: Hardware Setup

1. For external modem, connect the modem to your PC according to the manufacturer's instructions. This normally involves an RS-232 cable from your PC serial port to the modem. For internal modem, install the modem in your PC.
2. Connect the telco port on the modem to the phone interface on the Inmarsat-A terminal. This normally involves an RJ type telephone connector.

Step 2: Add a Modem Driver

1. From the **Start Menu**, select **Settings** → **Control Panel**.
2. Select **Modems**.
3. If your modem appears in the list, skip to the next section.
4. Click **Add**.
5. If your modem is internal (PCMCIA or PC Card), select **PCMCIA modem card**. Otherwise select **Other**.
6. Click **Next**.
7. If a driver disk was supplied with your modem, select **Don't detect my modem; I will select it from a list**. Otherwise click **Next** and skip to step 12.
8. Click **Next**.
9. Click **Have Disk...**
10. Click **Browse...** and select the location of the modem drivers (typically A: for a floppy diskette).
11. Select the appropriate driver and follow the prompts to install it. Skip to step 13.
12. Windows will attempt to automatically determine (autodetect) your modem type and use one of the modem drivers supplied by Windows operating systems. If Windows does not find a suitable driver, select **Standard 28800 bps Modem** from the (**Standard Modem Types**) list. This driver works with most V.32bis modems.
13. Your modem driver is installed.

Step 3: Install StratosNet software

1. Follow the **Getting Started Guide**, supplied with your *StratosNet* CD to install *StratosNet*. This is available on the CD but is also printed on the inside CD package.
2. During the installation, when you are prompted to select your modem, select the modem driver installed in the above section.

Step 4: Configure the dialing string for your Inmarsat-A terminal

Different Inmarsat-A terminal manufacturers use different procedures to place a data call. Therefore, the dialing string must be modified to suit the terminal you are using.

1. From the desk top, select **My Computer → Dial-Up Networking**
2. Right-click on *StratosNet* to view the **Properties**
3. Edit the **Telephone Number** field with the appropriate dial string from the table below

Note: In most cases a comma represents a two-second pause. If your modem is using a different pause value, this string must be modified accordingly.

<i>Model</i>	<i>Dial String</i>	<i>Notes</i>
JRC JUE-45A and JUE-35A	,,99**13#,,,28#	
Magnavox MX 2400	28#	Port Tel2 must be used (this port has companders disabled and is meant for data communications)
Nera Saturn 3S.90	,,1312,,28#	
MCS-9120	,,31#,,,28#	

For other models, please refer to the manufacturers' guide for instructions on using the unit for data communications. This normally involves a code to be included in the dial string as above, which disables the voice companders, optimizing the satellite link for data communications. In all cases, 28# is the short code to access the *StratosNet* service with your user name and password.

For more information on any Stratos Services or equipment, please contact us:

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