

EXPLORER 100/110

Connecting to PC via USB

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EXPLORER 100/110 supports **Packet Switched** data, voice and SMS. Packet switched data can be set up using the LaunchPad PC program or setting up a DUN.

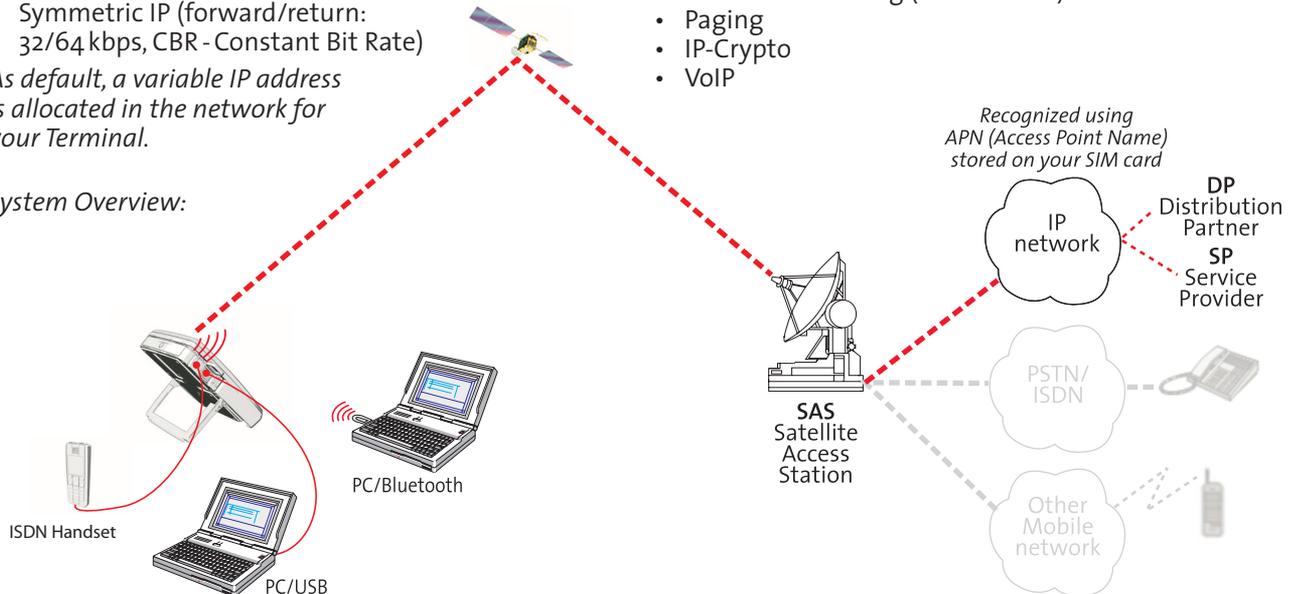
The **Packet Switched service** complies with the communication protocol defined by the Inmarsat BGAN system.

Packet Switched data rates:

- Standard IP bit rates up to 384/240 kbps on shared channels (384 downstream/240 upstream, VBR - Variable Bit Rate)
- Symmetric IP (forward/return: 32/64 kbps, CBR - Constant Bit Rate)

As default, a variable IP address is allocated in the network for your Terminal.

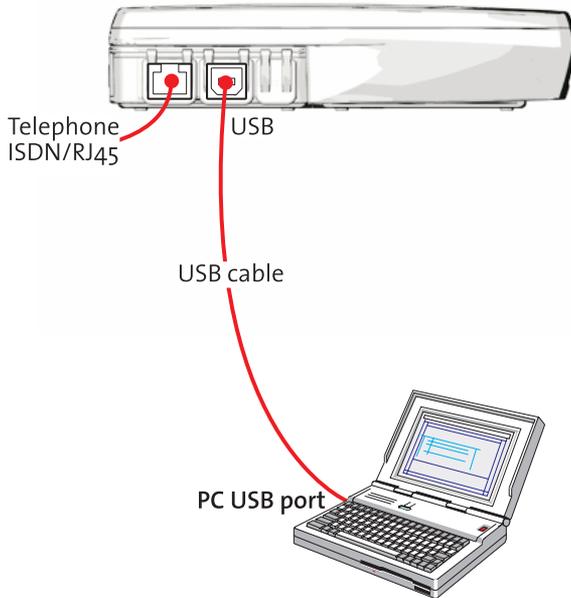
System Overview:



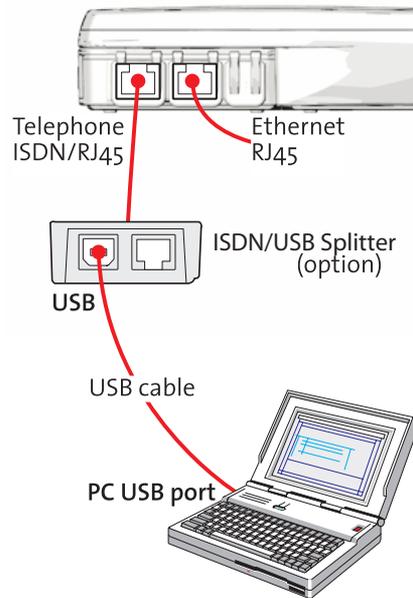
Typical IP services supported include:

- E-mail and messaging (including GPRS/UMTS based SMS)
- Data file transfer
- Video Conferencing
- Internet access (including web browsing)
- Intranet access (VPN)
- IP telephony (including conferencing and messaging)
- IP Facsimile
- IP Multi-casting/broadcasting;
- Internet streaming (audio/video)
- Paging
- IP-Crypto
- VoIP

EXPLORER 100 / Nera WorldPro 1000



EXPLORER 110 / Nera WorldPro 1010

*Note!*

For connection via USB, **USB drivers must be installed**, see **First time installation** on next page.

Apple Mac OS, see *INSTALLING USB DRIVERS ON APPLE MAC*

No driver installation is required. Just plug the USB cable into the USB connector on the Mac pc and choose USB modem.
For Remote Access, use "Metric Ricochet wireless".

First time installation

Note! *Installing USB Drivers* is only necessary to do once.

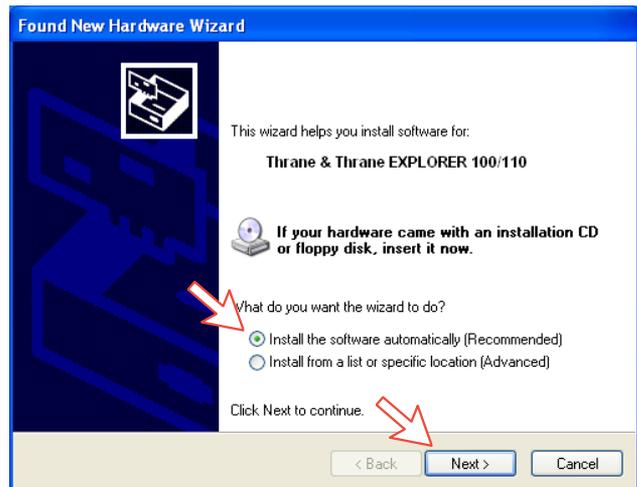
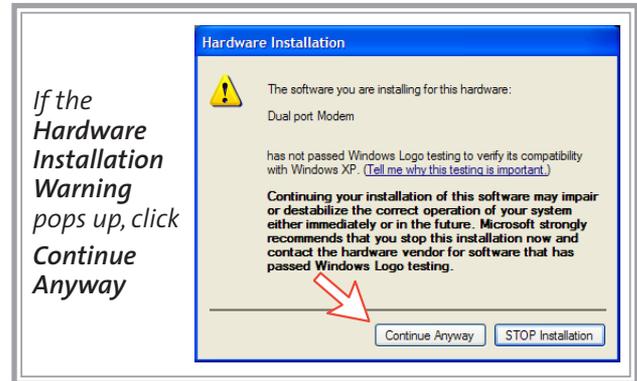
Make sure to use the same PC USB port the next time you connect to EXPLORER 100/110.

Procedure:

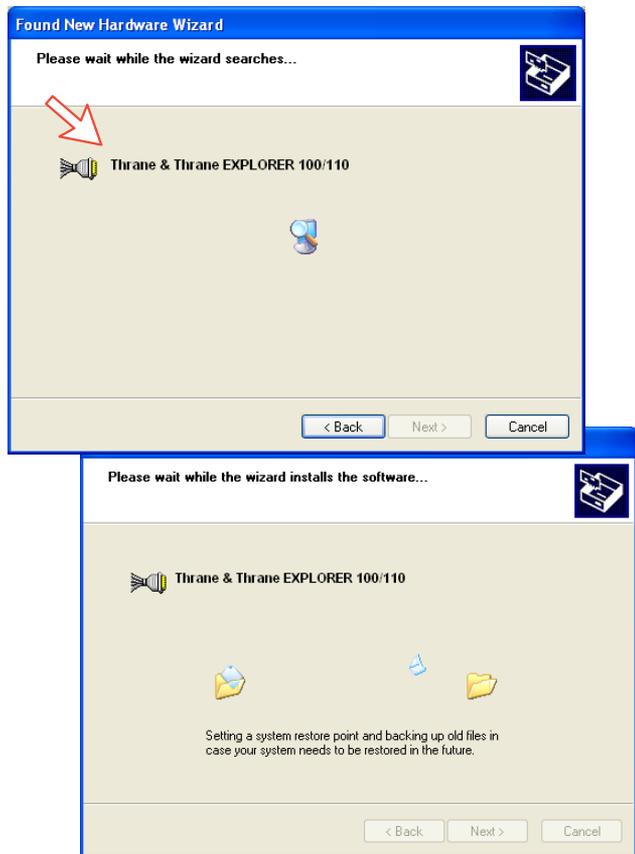
(Windows XP is used as an example)

Ensure that the BGAN LaunchPad is closed.

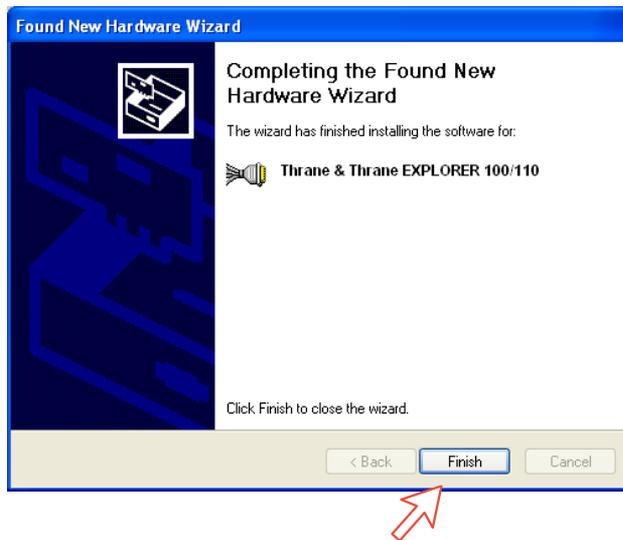
- 1 Insert the CD enclosed with the terminal.
- 2 Two USB drivers must be installed prior to connecting the PC to the Terminal.
The drivers are installed running the "Install EXPLORER 100&110 suite" on the CD
- 3 With the terminal ON, connect the USB cable between the Terminal Interface Unit and the PC USB port.
- 4 Windows opens the **Welcome to the Found New Hardware Wizard**. Check "No, not this time" and *click Next*.
- 5 The **Found New Hardware Wizard** help page opens. Check "Install the software automatically (Recommended)" and *click Next*.



6 The Found New Hardware Wizard searches for and installs the **Multiport Modem Drivers**.

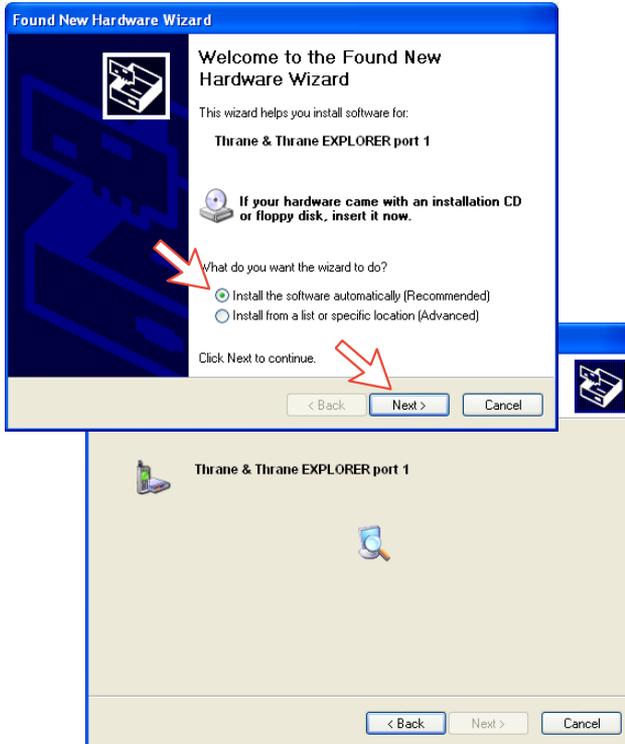


7 Click **Finish** to complete the installation of the **Multiport Modem**. Continue with next step.

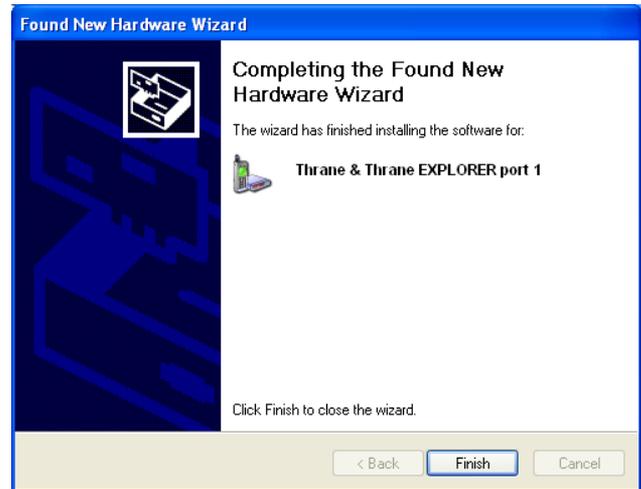


8 **PORT 1:** The **Found New Hardware Wizard** repeats prompting to install **Thrane&Thrane EXPLORER Port 1**.

Check "No, not this time" and *click Next*.
Click Next to transfer the driver to the PC.

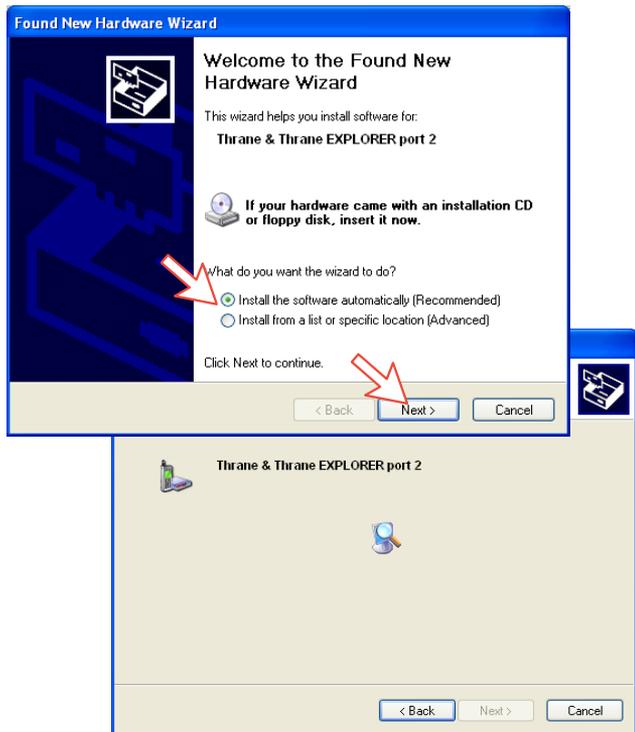


9 *Click Finish* to complete the installation of the Thrane & Thrane EXPLORER port 1.

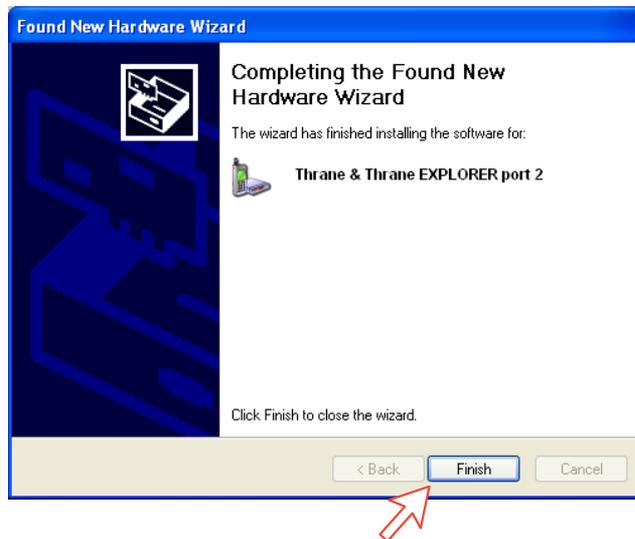


10 PORT 2: The Found New Hardware Wizard repeats prompting to install Thrane&Thrane EXPLORER Port 2.

Check "No, not this time" and *click Next*. *Click Next to transfer the driver to the PC.*



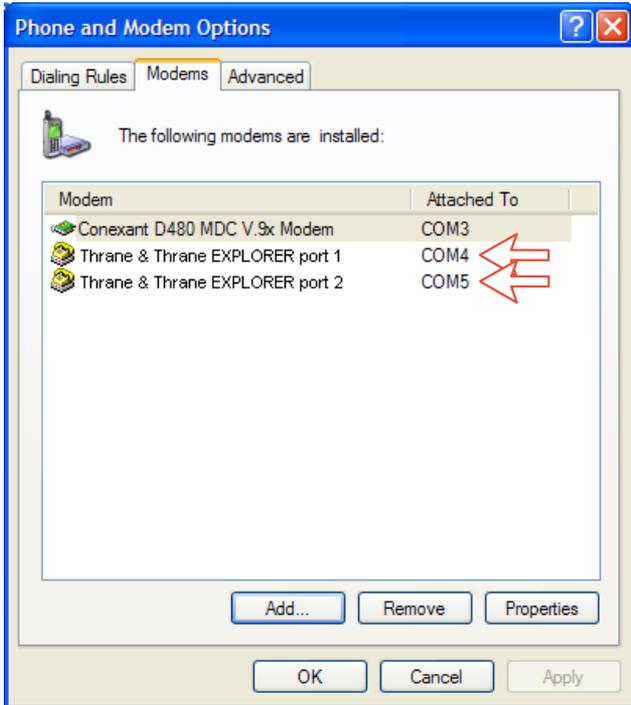
11 *Click Finish* to complete the installation of the Thrane & Thrane EXPLORER port 2.



Your new hardware is installed and ready for use

12 To verify the installation of drivers:

Double-click **Phone and Modem Options** in the PC **Control panel**. Selecting the **Modems** tab shows the modems installed.



Explanation

- **Port 1** (control port) is used for BGAN LaunchPad or other applications like HyperTerminal or System Trace.
- **Port 2** (data port) is used for data connection setup via LaunchPad, or for Dial Up Network (DUN) connection.

*See the Application Guide **Setting up a DUN**.*

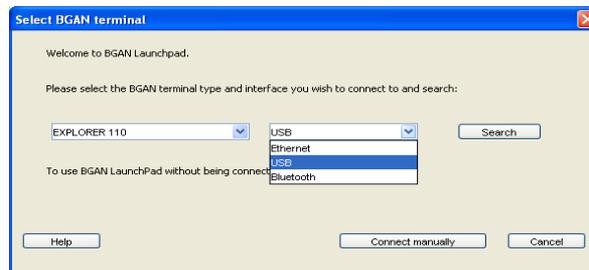
BGAN LaunchPad connected via USB

Note! Version 3.6.0 or later has to be installed on your PC. BGAN LaunchPad is located on the User CD, and will be installed using the EXPLORER 100&110 Suite.

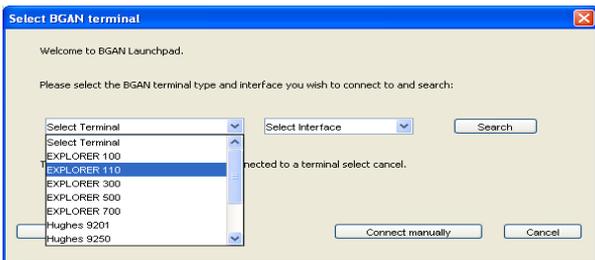
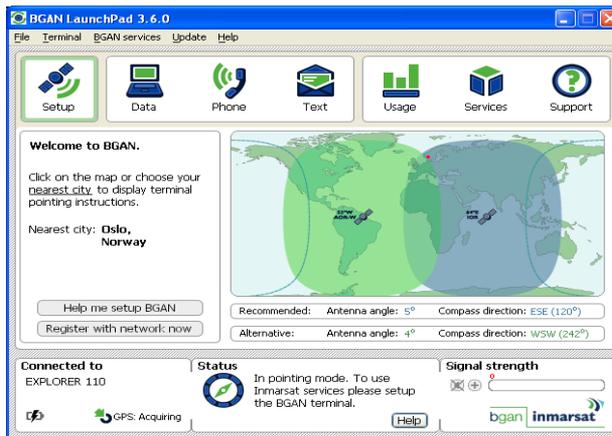
Procedure:

- 1 Connect your Terminal to the PC USB port.
- 2 Start BGAN LaunchPad.
 - Select Icon on your PC or
 - Select Start>All Programs>BGAN LaunchPad
- 3 Select Terminal type (e.g. EXPLORER 110)

4 Select Interface (e.g. USB)



5 Select Search and BGAN LaunchPad starts up.



<i>Problems connecting to PC</i>	<i>Probable cause</i>	<i>Action</i>
1. <i>No contact with modem using USB:</i>	Wrong setup of USB driver.	<ul style="list-style-type: none"> • Check cable connection. • Disconnect USB cable, and reconnect • On PC, open Phone and Modem options and check whether USB Modem driver is connected to COM port. If not:
		<ol style="list-style-type: none"> 1. Remove Modem in Phone and Modem options. (Port 1 and Port 2) 2. Restart from page 4.
		<p>PC cleanup:</p>
		<p>A. Reinstall USB drivers:</p>
		<p>Run the “EXPLORER 100&110 USB Driver Pack.exe” located on the user CD.</p>
		<p>Removes and reinstall EXPLORER drivers on your PC.</p>
		<p>B. Remove Suite and/or USB drivers:</p>
		<p>If the Installation Suite is installed, the Suite and USB drivers can be removed from your PC. Use the Control Panel> Add or Remove Programs</p>
		<p>Remove options:</p>
		<ul style="list-style-type: none"> - EXPLORER 100&110 Suite V2_0 - EXPLORER 100&110 USB Driver Pack - Nera WorldPro Suite (if installed) - Nera WorldPro USB Drivers (if installed)

<i>Problems connecting to PC</i>	<i>Probable cause</i>	<i>Action</i>
2. <i>Cannot find Network Connection:</i>	Network connection not installed.	<ul style="list-style-type: none"> • Contact your PC vendor to get the software.
3. <i>Length of cables:</i> <i>USB</i> <i>Ethernet</i> <i>Bluetooth</i>	Guranteed length: 3m 100m 30m	Note: 8-wire screened cable Free line of sight outdoor
4. <i>Using LaunchPad fails</i>		<ul style="list-style-type: none"> • "Help" BGAN LaunchPad to connect. • Select correct COM port manually • See problem 1 for USB problems. • Reinstall BGAN LaunchPad. • Check that the SIM card is inserted in terminal. • Update BGAN LaunchPad
5. <i>How do I set a DUN not using BGAN LaunchPad</i>		<ul style="list-style-type: none"> • Read the application guide Setting up a DUN.
Other Problems:	If you have installed the EXPLORER 100&110 Suite on your PC, Documentation, Applications and FAQ are located on your PC. Select Start>All Programs>EXPLORER 100&110 suite IF not, you will find documents on the User CD.	