



Thuraya Satellite Telecommunications Company

# **Thuraya SG-2520 & Thuraya SO-2510 Data Connections Guide**

## **Version 2**

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May 2007

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## 1. Introduction

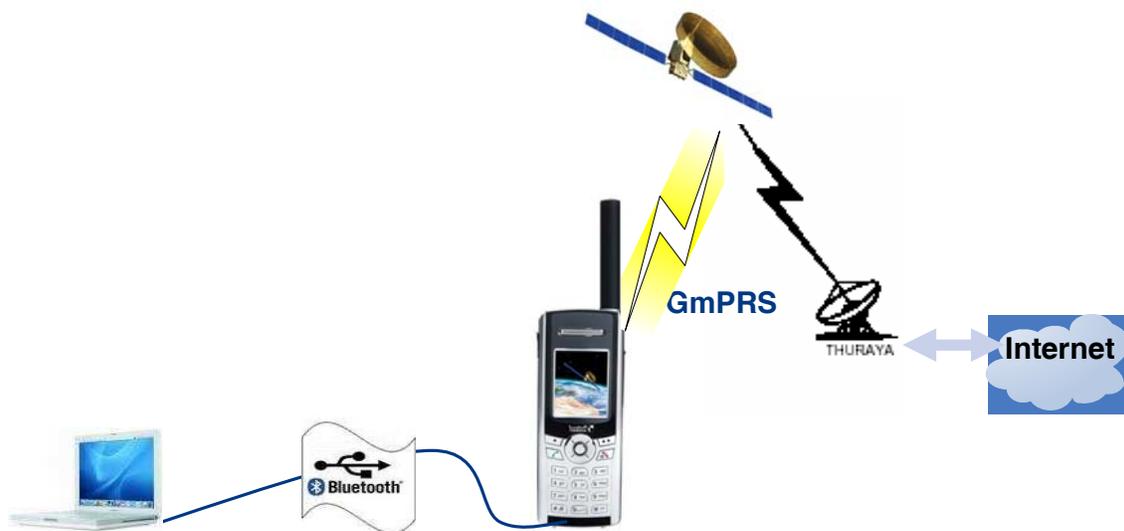
This document demonstrates how to use Thuraya SO-2510 and Thuraya SG-2520 as a gateway (external modem) to access Thuraya Data Services, ThurayaGmPRS and CSD (Dial Up) services.

In order to define these connection methods, two important elements must be considered which are:

- A. The first connection element between the phone (Thuraya SG-2520, Thuraya SO-2510) and user PC/Laptop is the terminal interface. This can either be the USB cable (in case of Thuraya SO-2510) or the Bluetooth connectivity (in case of Thuraya SG-2520).
- B. The second connection element is called the network interface which links the phone with the Thuraya network that is providing the Data services as well. The network interfaces can be either ThurayaGmPRS or the CSD connection.

Both the two interfaces will serve as the path or the channel for the data between user PC and the Internet access. The serial connection depends on the success of the two connections together.

The below image will help illustrate the above idea better.



Bluetooth application applies only for SG-2520.

## 2. Access Data Services through Thuraya SG-2520

There are two ways to connect the Thuraya SG-2520 to the PC, USB cable and Bluetooth.

### 2.1 ThurayaGmPRS Connection using USB Cable.

Please follow the procedures shown below to achieve this connection.

#### 2.1.1 Installing the Thuraya SG-2520 Modem Driver at your PC/Laptop.

- A.) Make sure that your Thuraya SG-2520 has a fully charged battery.
- B.) Go to **Menu > Setting > External connect > then select USB modem.**
- C.) Install the Thuraya SG-2520 PC program from the CD (which is provided in the gift box) on your PC/laptop.
- D.) Now connect your Thuraya SG-2520 with the PC/Laptop using the USB cable.
- E.) Once it is connected a pop-up window will appear as shown in the picture below.





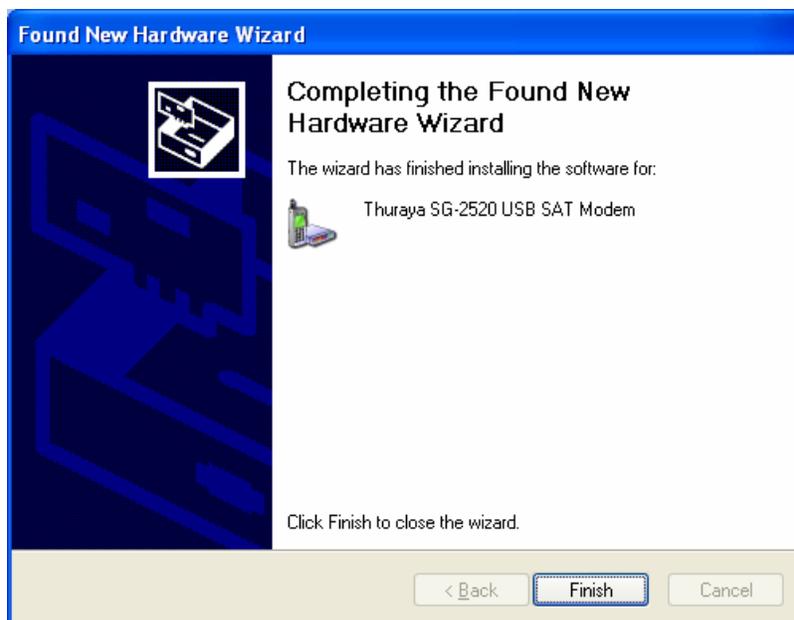
F.) Select Next.



G.) Select "Continue Anyway".



H.) Once installation is completed, you will see the following window. Select “Finish”.



The Modem Driver is successfully installed.

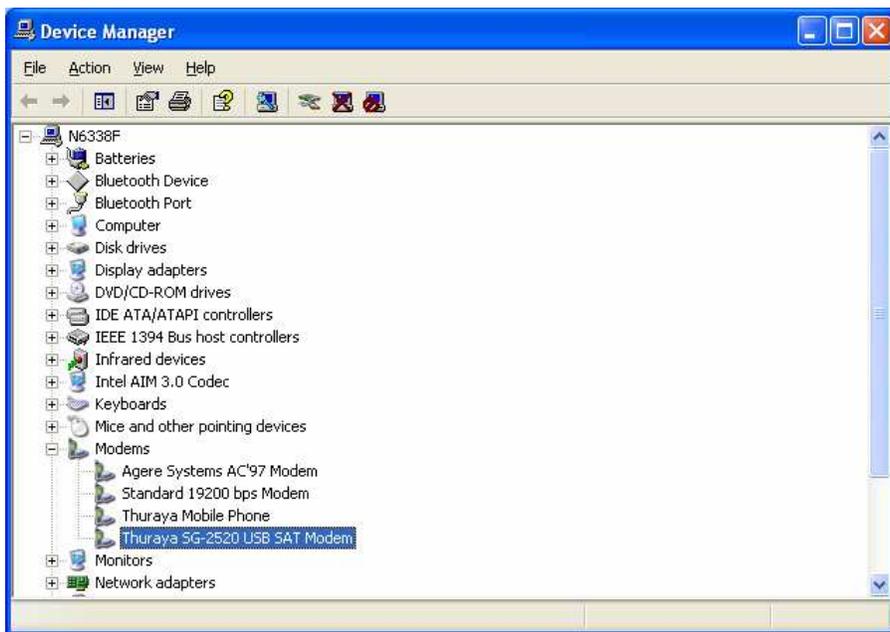
I.) To check if the set up is installed properly, select “System” on the Control Panel.



Select 'Device Manager Button' in the Hardware section.

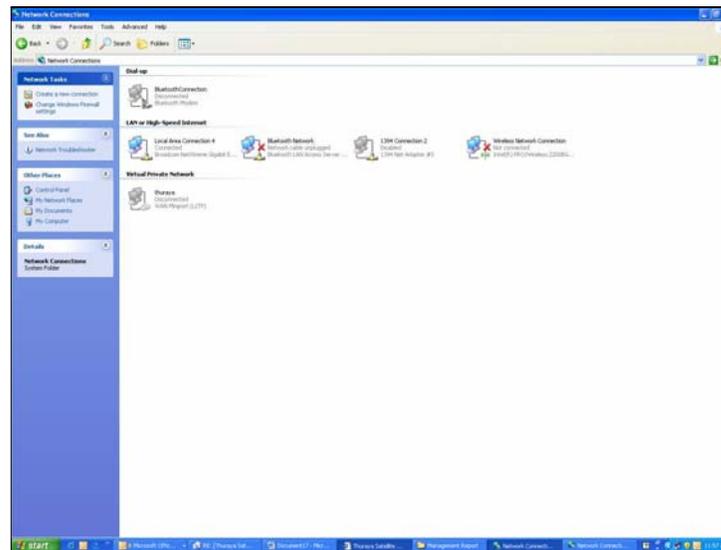


- J.) Thuraya SO-2520 USB Modem is installed under 'Modems' and Thuraya SO-2520 USB Composite Device is installed under 'Universal Serial Bus controllers'.



## 2.1.2 Setting the connection to ThurayaGmPRS

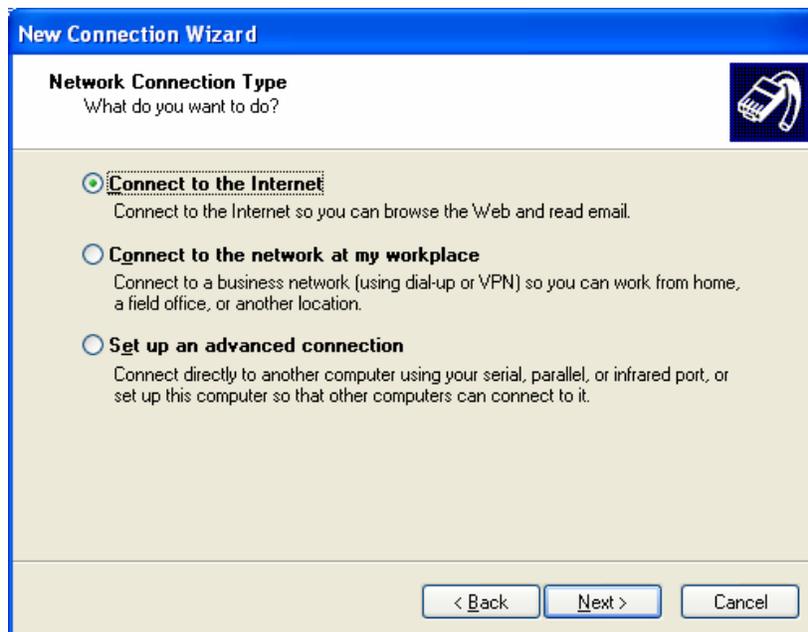
- A. Make sure that you have installed the necessary phone drivers on your Laptop/PC. (Drivers can be installed using the CD available in the gift box or online on [www.thuraya.com](http://www.thuraya.com))
- B. Connect your USB to the laptop/PC and make sure that it is recognized - your handset should display Data Cable in the middle of the screen.
- C. Set up the Network Connection
  - o On your Laptop/PC Go to Start > Settings > “Network Connections”



- o Select “Create a new connection” and click “Next”.



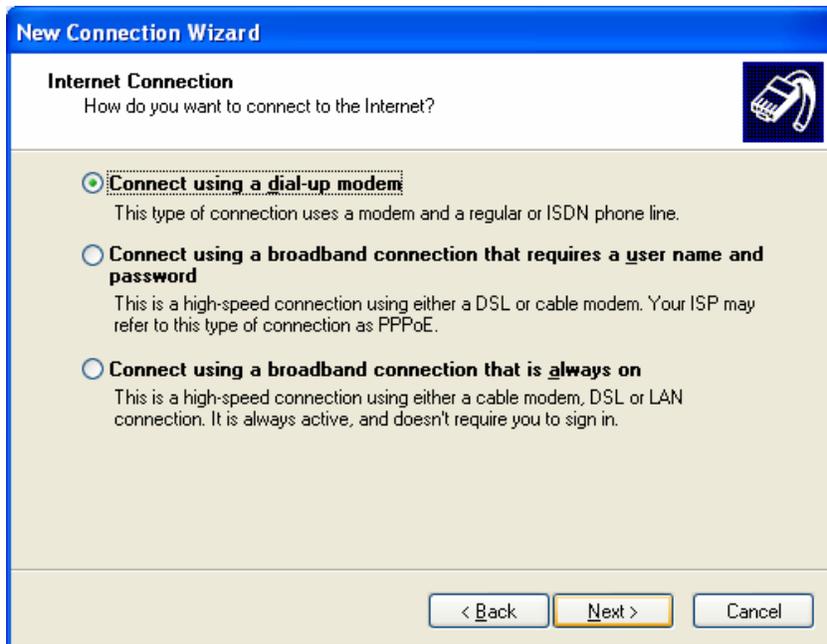
- On “Network Connection” type select “Connect to the Internet” and click “Next”.



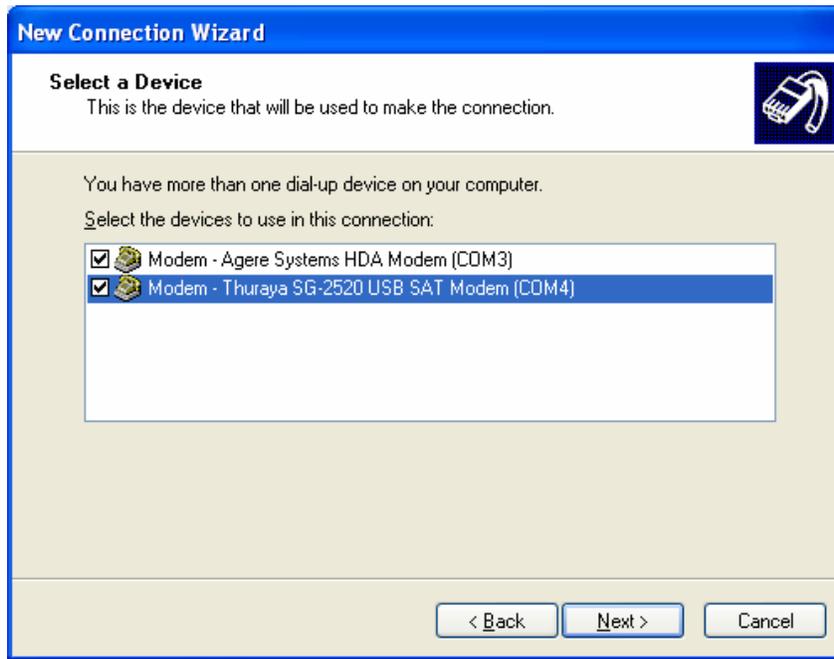
- On ‘Getting Ready’ select “Setup my connection manually” and click “Next”.



- On “Internet Connection” select “Connect using a dial up modem” and click “Next”.



- On “Select a Device” choose only “Modem – Thuraya SG-2520 USB SAT Modem” and click “Next”.





- On “Connection Name” select the name you want (e.g. ThurayaGmPRS) and click “Next”.

**New Connection Wizard**

**Connection Name**  
What is the name of the service that provides your Internet connection?

Type the name of your ISP in the following box.

ISP Name

ThurayaGmPRS

The name you type here will be the name of the connection you are creating.

< Back   Next >   Cancel

- On “Phone Number to Dial” enter \*99# and click “Next”.

**New Connection Wizard**

**Phone Number to Dial**  
What is your ISP's phone number?

Type the phone number below.

Phone number:

\*99#

You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.

< Back   Next >   Cancel

- On “Connection Availability” choose your preference and click “Next”.



**New Connection Wizard**

**Connection Availability**  
You can make the new connection available to any user or only to yourself.

A connection that is created for your use only is saved in your user account and is not available unless you are logged on.

Create this connection for:

Anyone's use

My use only

< Back   Next >   Cancel

- On “Internet Account Information” leave information details blank and click “Next”.



**New Connection Wizard**

**Internet Account Information**  
You will need an account name and password to sign in to your Internet account.

Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgotten an existing account name or password, contact your ISP.)

User name:

Password:

Confirm password:

Use this account name and password when anyone connects to the Internet from this computer

Make this the default Internet connection

< Back   Next >   Cancel

- Select (add a short cut to the connection and select “Finish”). Your new connection is ready. ThurayaGmPRS network connection icon will be created on your desktop



### 2.1.3 Dial the connection and get connected to the internet.

You will finally find the shortcut on your desktop. After which, make sure of the following:

- A. The USB cable is connected between your phone and the PC.
- B. Your SG-2520 has a reception from the satellite. And if not, try to position it in such a way to receive the maximum signal.



Click on the shortcut on your desktop, then press **Dial**. And once the connection is established you can enjoy surfing the internet.

## 2.2 ThurayaGmPRS Connection Using Bluetooth Connectivity

### 2.2.1 Set up your Thuraya SG-2520

This is a very important step to establish the Bluetooth connection with the PC, since it determines the connection relation type between the Thuraya SG-2520 and the PC.

Go to [Menu](#) > [connectivity](#) > [Bluetooth](#)>

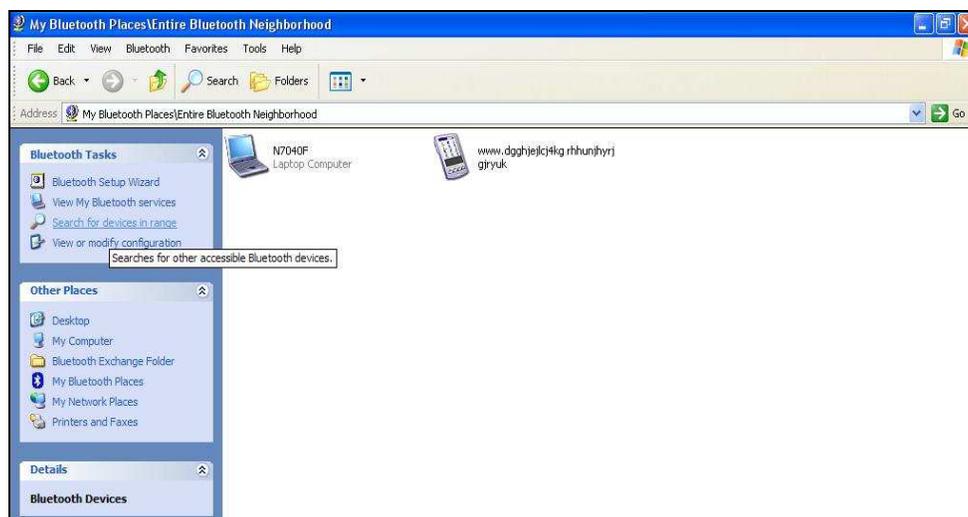


1. Activate the BT by checking the 'ON' bar.
2. Set my visibility to **Show**.
3. On MODEM Select 'Dial up Network'.
4. Set the Authorization option to 'Dun Profile'.

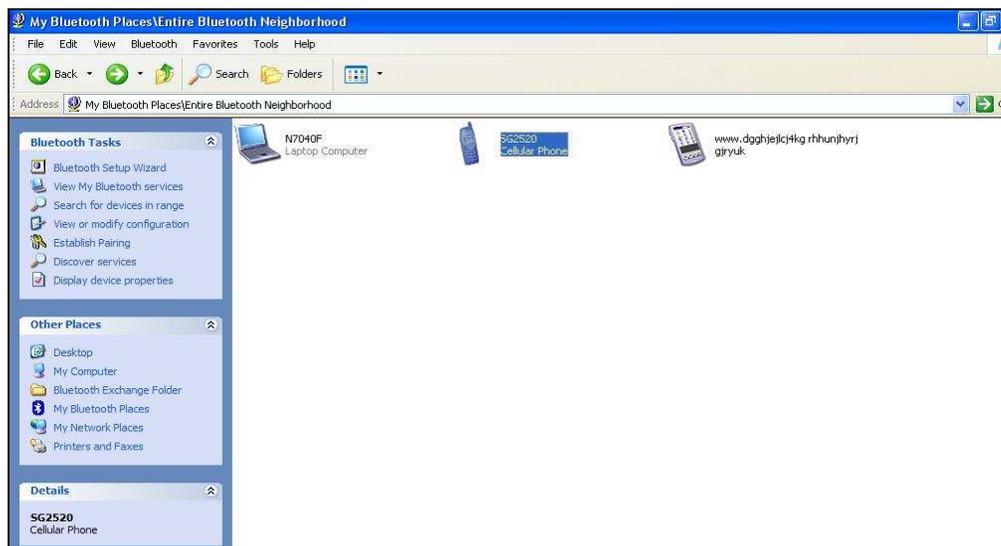
## 2.2.2 Set up the Laptop/PC

Make sure that the Bluetooth is activated on your PC. The following procedures will guide you to attach your Thuraya SG-2520 with the PC via Bluetooth connectivity. Due to a variation of Bluetooth applications from one PC to another, the user may find different interfaces from the displayed pictures in this guide. However all Bluetooth application have the same operation concept.

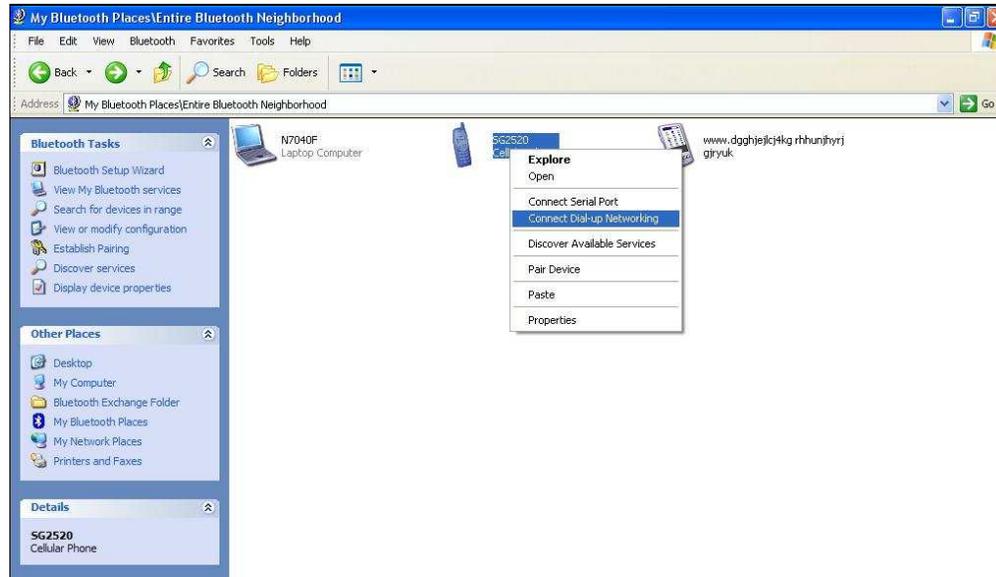
- A. After completing the setting of the phone (as mentioned in section 2.2.1) to use your Bluetooth connection manager in your PC, establish a new search for Bluetooth devices.



- B. The search result will show all the Bluetooth devices that are found within the range. The Thuraya SG-2520 will be displayed amongst them.



- C. Highlight the Thuraya SG-2520 icon and then right click from your mouse. Different connection options will be shown. Select the dial up connection option.



- D. Pass key or PIN code will be asked to enter. It is important to enter the same 4 digits Pass key for both the PC and the Thuraya SG-2520. The user has to first input the number in the PC and then repeat the same for Thuraya SG2520. The user can select any 4 digit number to be used as pass key.



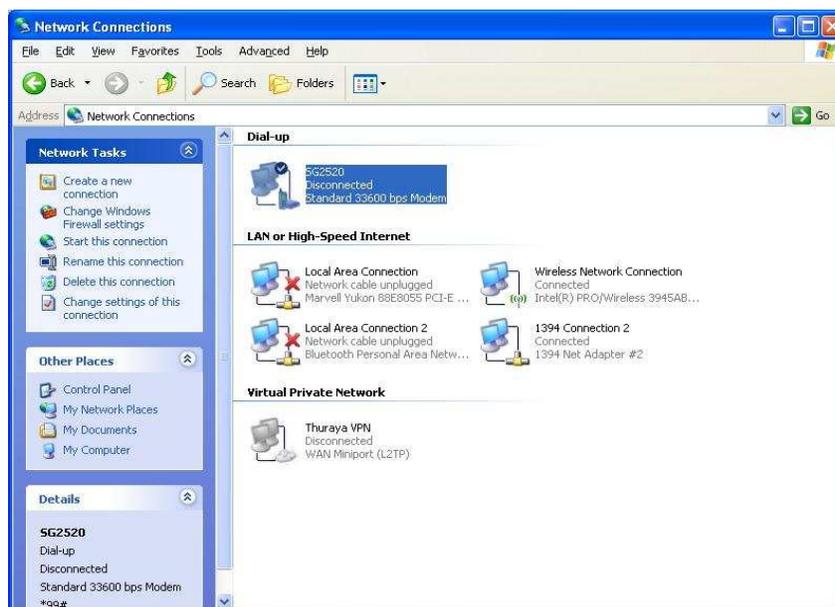
E. The installation procedure for the Thuraya SG-2520 modem will begin.



F. Fill in the 'Dial up connection' information in the slot fields. Enter the ThurayaGmPRS service dial up number which is \*99# and then leave the other fields empty. Click Next.



- G. In case you have different BT application, you can check the dial up connection in the network connection: [Start> control panel>Network connections](#). You will find the dial up connection named as Thuraya SG-2520.

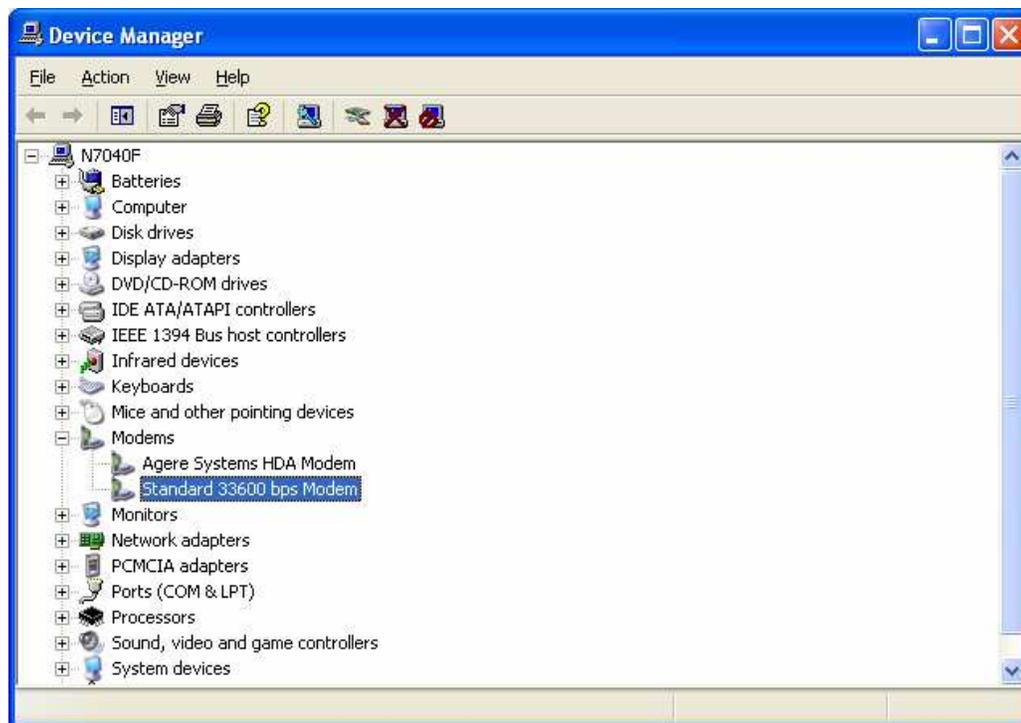


- H. The user can dial the connection manually or through your BT connection manager. You can now enjoy surfing the internet with ThurayaGmPRS service.



- I. To be sure that the steps have been correctly installed on you PC, you can check the hardware profile for the modem being installed in your PC. To check: go to **control panel > System > Hardware > Device manager**

Under the modems profile you can find the new configured modem as shown in picture below.



## 2.3 CSD Connection (Dial Up).

The same procedure is applied in the configuration of the modem as in section 2.1.1. The only difference in the steps is to change the dialing number (which is entered while configuring the connection in section 2.1.2) from \*99# to 1722.

The same applies to the Bluetooth connection. Simply change the dialed number from \*99# to 1722.

### 3. Access the Data Services through Thuraya SO-2510

#### 3.1 ThurayaGmPRS Connection Using USB Cable.

The concept of connection here is the same as illustrated before. The details of the procedures are as following:

##### 3.1.1 Installing the Thuraya SO-2510 Modem Driver at your Pc/Laptop

- A. Using the CD available in the gift box, install the Thuraya SO-2510 program to your PC/Laptop.
  - B. Go to [Menu > Setting > Data Connection > Data Port > select USB.](#)
  - C. Make sure that your Thuraya SO-2510 is powered on. Plug in the USB cable and attach it to your PC. The installation process will start automatically as illustrated below.
- Once the phone is attached to the PC, the screen shows that a new hardware is found. Select the auto installation and proceed by selecting Next.





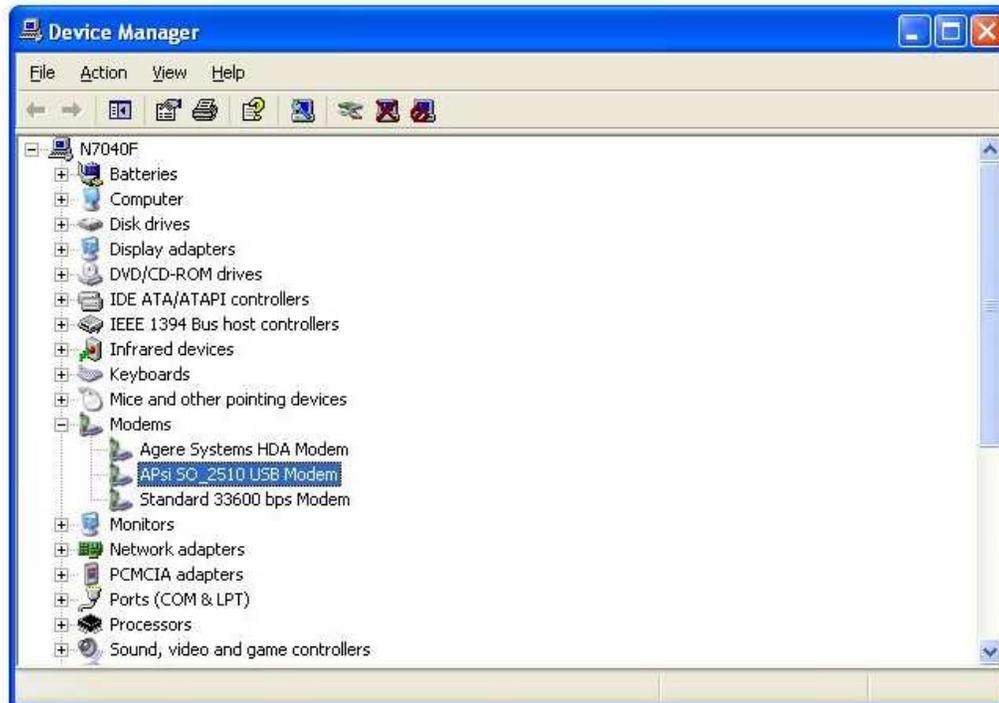
- Installation process will begin.



- Press on continue to go ahead with the installation process.

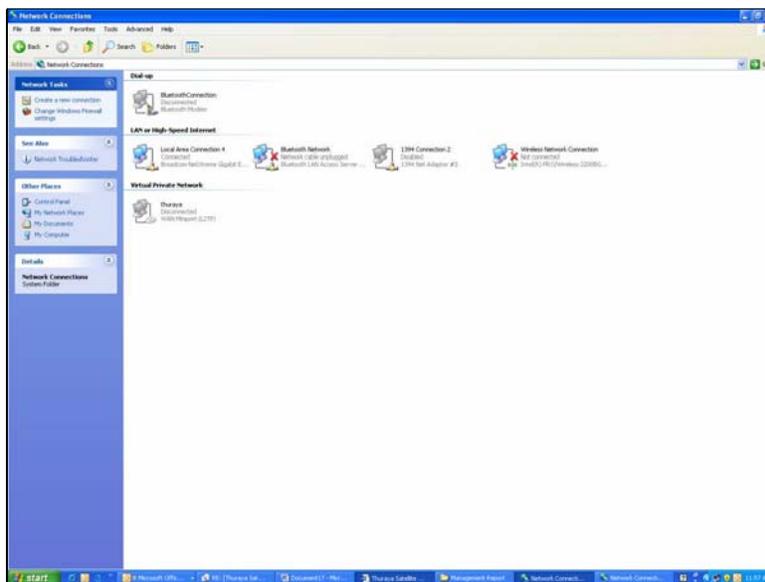


- Finally the modem has been configured in your PC. You can make sure of the success of installation by going to > control panel > Device manager > Hardware and look for the Thuraya SO-2510 which will be listed under the modems category as shown in the picture below.

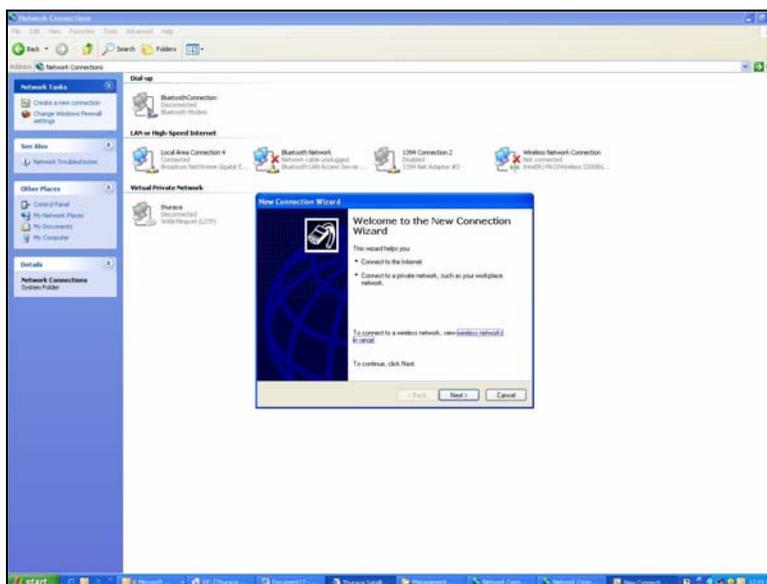


### 3.1.2 Setting the connection to ThurayaGmPRS

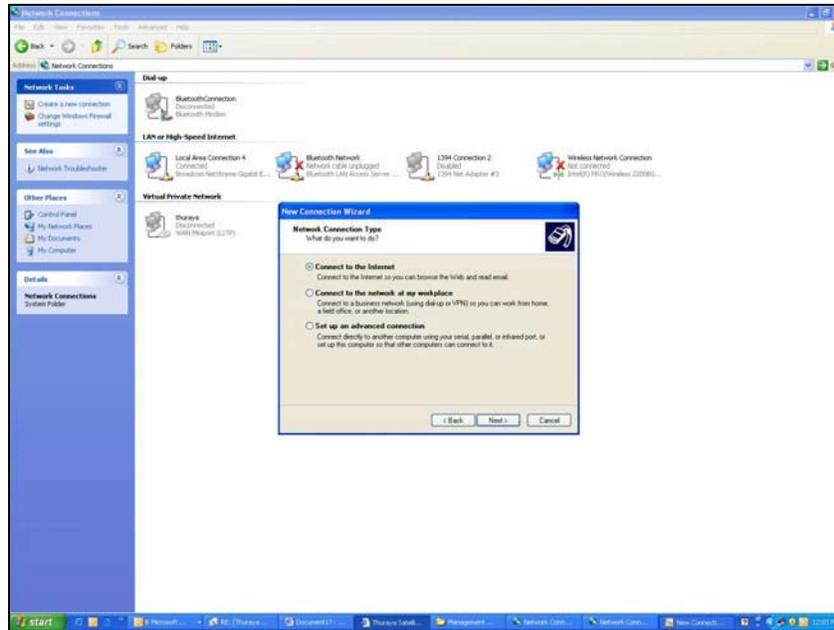
- A. Make sure that you have installed the necessary phone drivers. (Drivers can be installed using the CD available in the gift box or through online: [www.thuraya.com](http://www.thuraya.com).)
- B. Connect your USB to the laptop/PC and make sure that it is recognized - your handset should display Data Cable in the middle of the screen.
- C. Set up the Network Connection
  - On your Laptop/PC Go to Start > Settings > “Network Connections”.



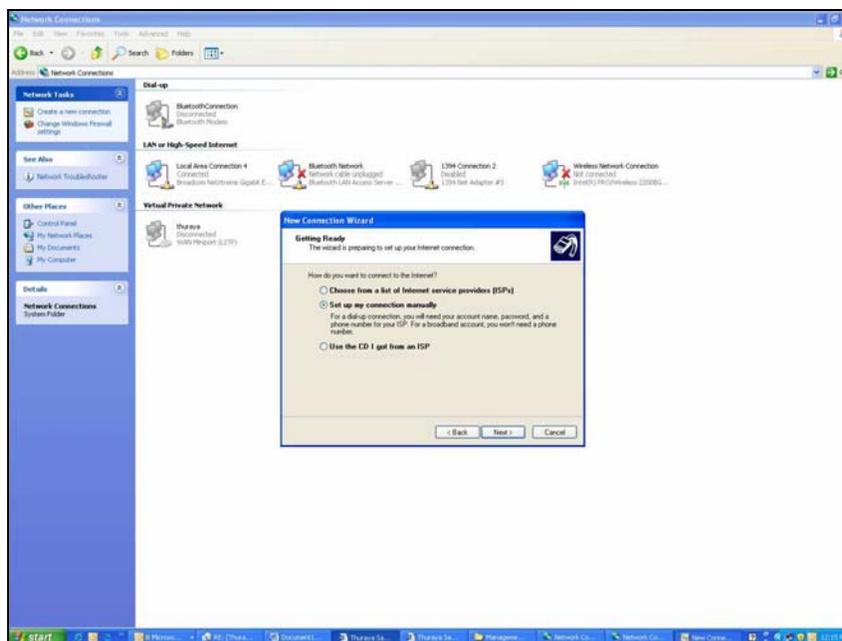
- Select “Create a new connection” and click “Next”.



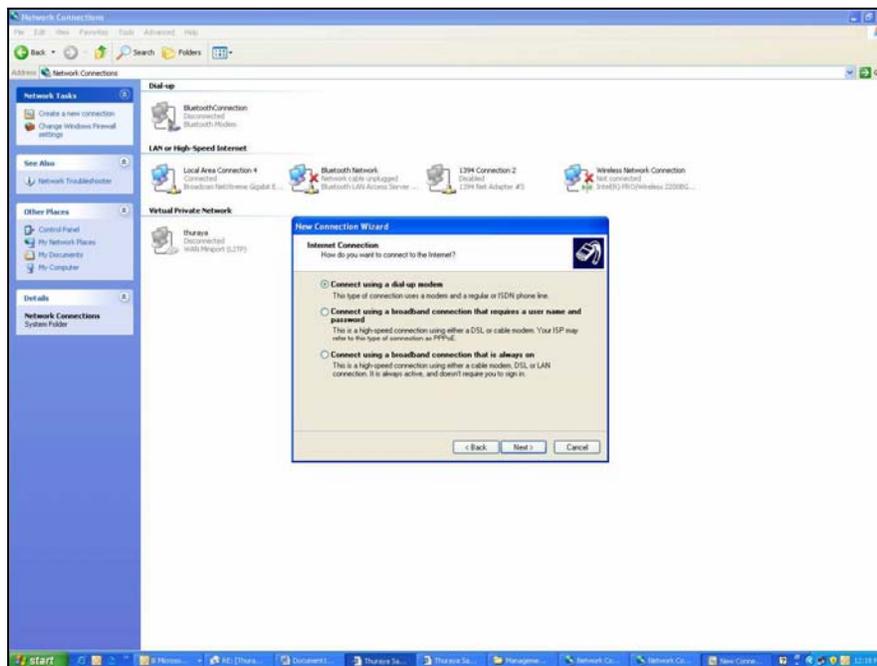
- On “Network Connection Type” select “Connect to the Internet” and click “Next”.



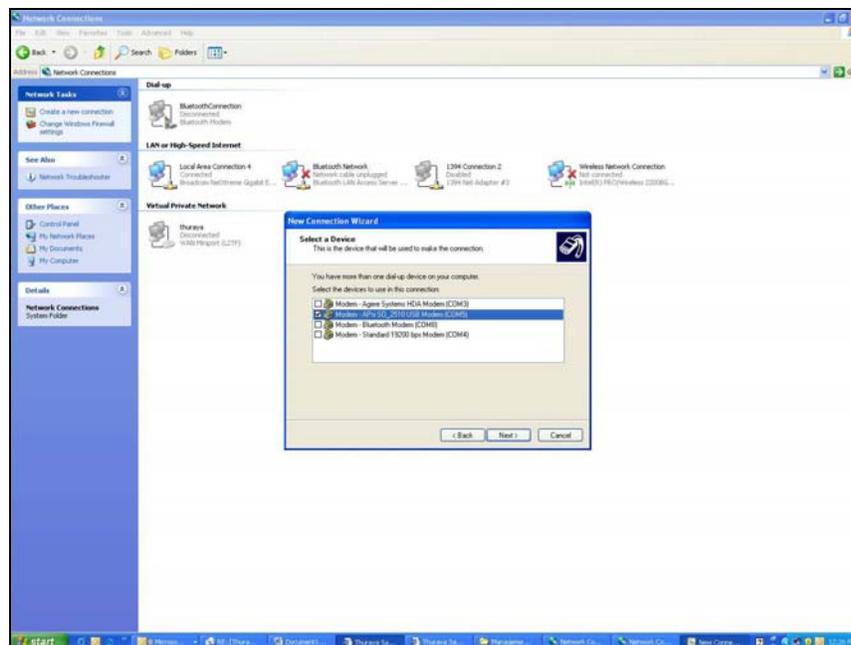
- On ‘Getting Ready’ select “Setup my connection manually” and click “Next”.



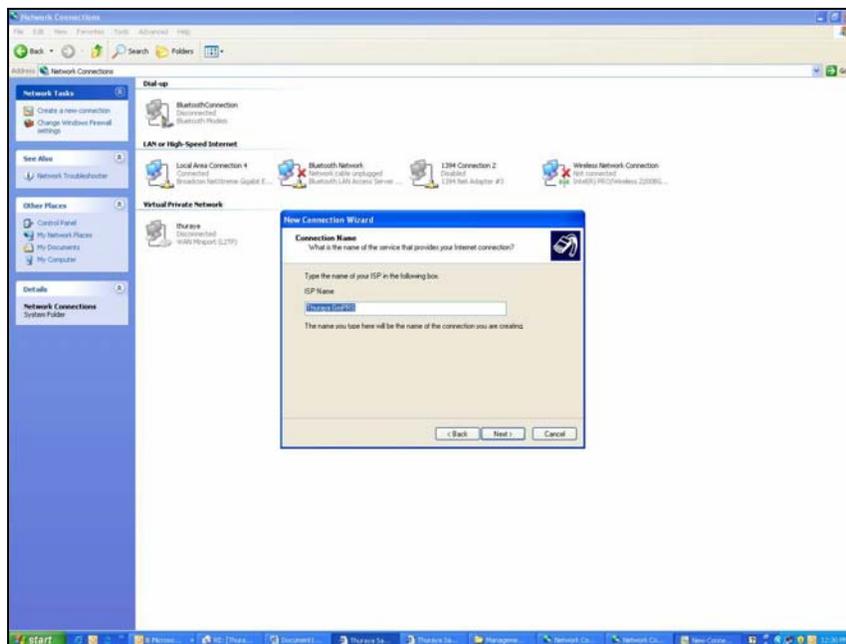
- On 'Internet Connection' select "Connect using a dial up modem" and click "Next".



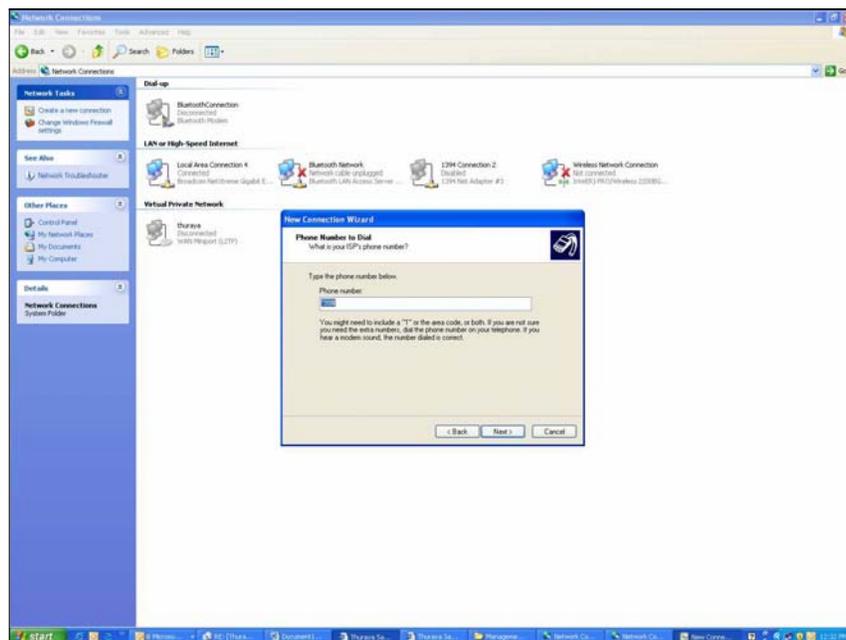
- On "Select a device" choose only "Modem-APsiSO\_2510 USB modem" and click "Next".



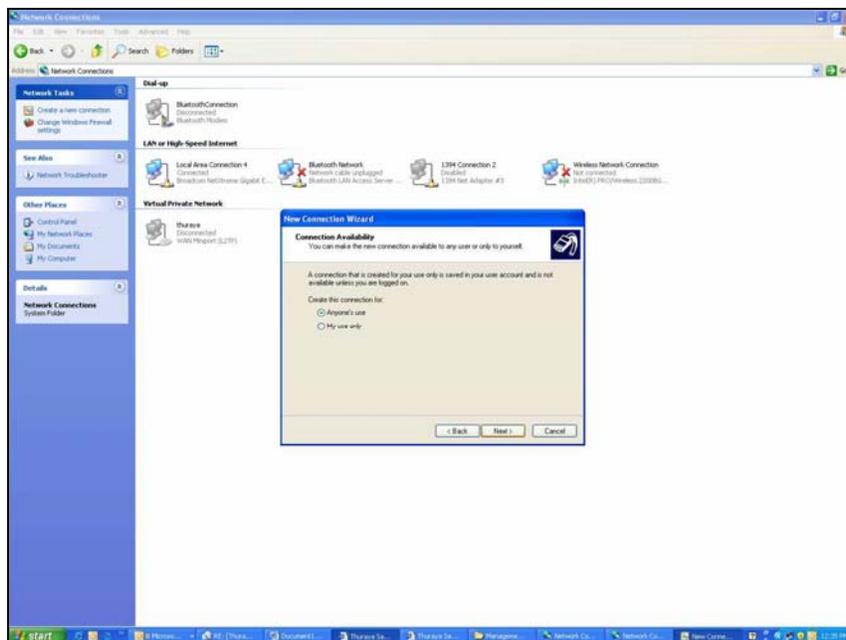
- On ‘Connection Name’ select the name you want (e.g. ThurayaGmPRS) and click “Next”.



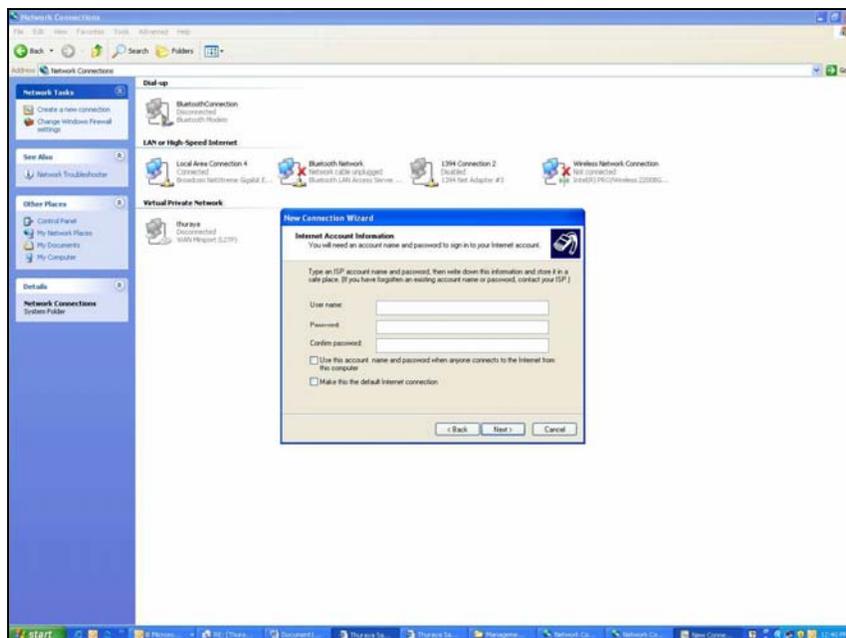
- On ‘Phone Number to Dial’ enter \*99# and click “Next”.



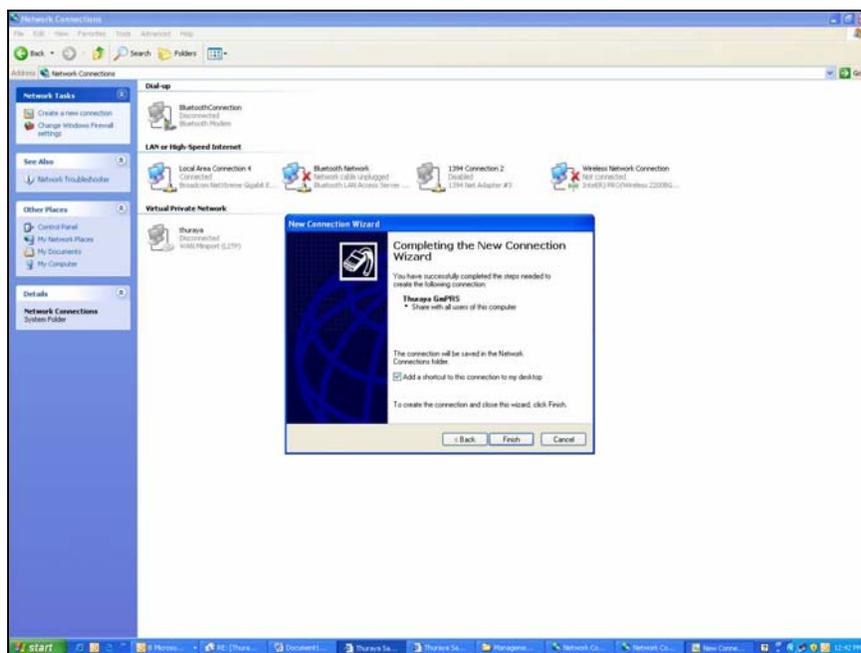
- On 'Connection Availability' choose your preference and click "Next".



- On 'Internet Account Information', leave information details blank and click "Next".

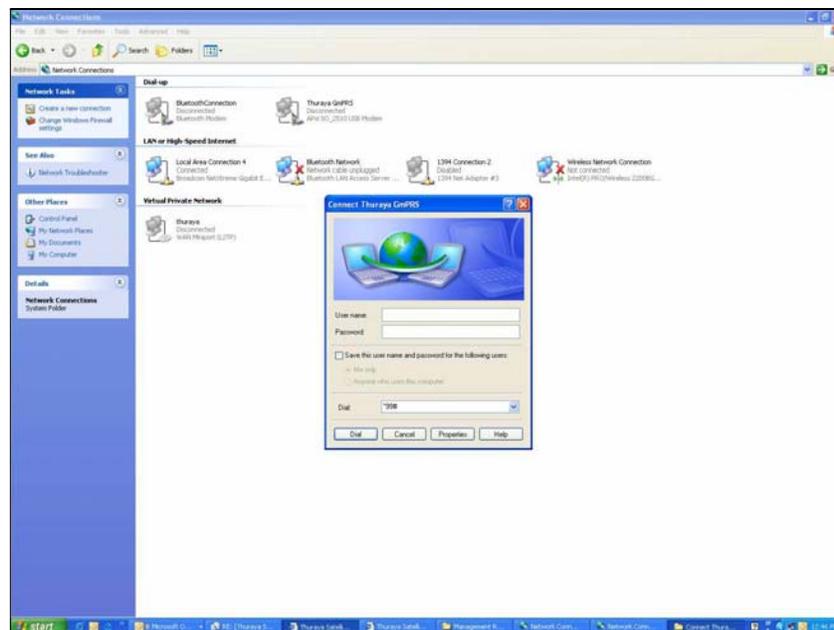


- Select (add a short to the connection) and select “Finish”. Your new connection is ready. ThurayaGmPRS network connection icon will be created on your desktop.



### 3.1.3 Dial the connection and get connected to the internet

- Connect to the Laptop/PC using the USB data cable. Handset should display Data Cable in the middle of the screen
- Double click ThurayaGmPRS network connection icon
- Leave User Name and Password blank. Click Dial.
- Upon successful dialing, open your Internet browser and enjoy ThurayaGmPRS service.





### **3.2 CSD Connection (Dial Up)**

The same procedure will be applied in configuring the modem as in section 3.1.1. The only difference in the steps here is to change the dialing number (which is entered while configuring the connection in section 3.1.2) from \*99# to 1722.

The same is applied in the Bluetooth connection. Simply change the dialed number from \*99# to 1722.