

# Installing the BitSURFR Pro

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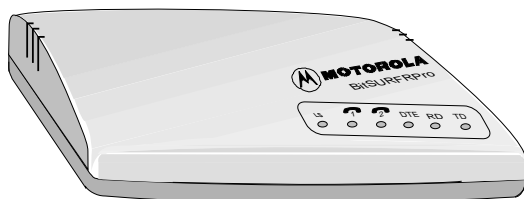
There are two parts to the installation of your BitSURFR Pro ISDN modem. First you must *connect* the appropriate hardware. Then you must *configure* your BitSURFR Pro with your choice of software so the modem can communicate with your ISDN line.

Unless you are an experienced ISDN user, we recommend approaching this process in bite-sized pieces. Configure your BitSURFR Pro for additional features (such as Caller ID) only after you have successfully installed and used the BitSURFR Pro as described in this guide.

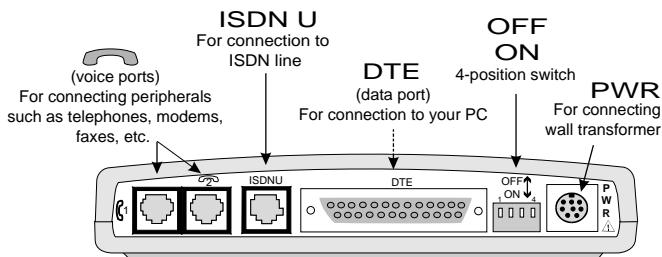
## THE BitSURFR Pro

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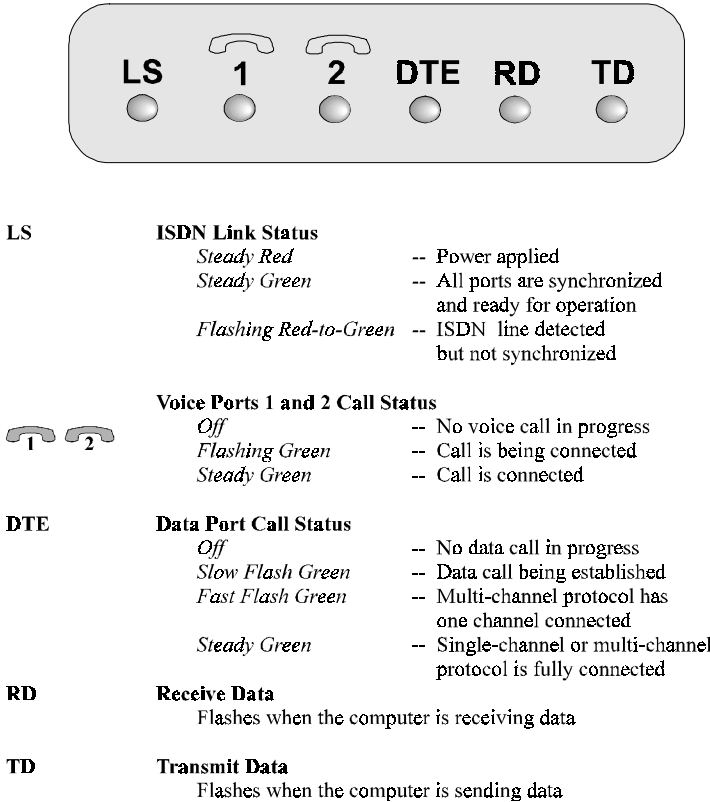
Use the illustrations in Figures 1 through 3 to help you identify the various parts of your BitSURFR Pro before you begin installation.



*Figure 1 - BitSURFR Pro (Front View)*



*Figure 2 - BitSURFR Pro (Rear View)*



**Figure 3 - LED Status Display**

## **WHAT YOU WILL NEED**

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Before you begin the simple process of installing your new BitSURFR Pro, you need to be certain you have each of the following items.

### **For PC Installation and Configuration:**

- ISDN line -- installed and configured for the BitSURFR Pro in advance (the enclosed *Ordering ISDN* guide will simplify this process for you.)
- BitSURFR Pro ISDN modem and wall transformer (supplied)
- DTE cable
- ISDN cable (supplied)
- IBM or compatible PC, 386 processor minimum
- Any peripheral devices you want to hook up, like your phone, fax, or modem
- ISDN SURFR Setup software (supplied)
- Data communications software (required for data operation; several optional packages supplied)
- Screwdriver (if required to secure DTE connections)

### **For Terminal Installation and Configuration:**

- ISDN line -- installed and configured for the BitSURFR Pro in advance (the enclosed *Ordering ISDN* guide will simplify this process for you.)
- BitSURFR Pro ISDN modem and power transformer (supplied)
- DTE cable
- ISDN cable (supplied)
- Terminal
- Any peripheral devices you want to hook up, like your phone, fax, or modem
- BitSURFR Pro *User's Guide* Appendix for reference to AT commands (supplied)
- Screwdriver (if required to secure DTE connections)

## **HOW TO CONNECT YOUR BITSURFR PRO**

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Use the following procedures to hook up your BitSURFR Pro to your PC or terminal and to any peripheral devices:

1. Make sure that all four of the position switches to the right of the DTE port on the rear of the BitSURFR Pro are in the upper position marked **OFF**.
2. Connect the DTE cable to the BitSURFR Pro port labeled **DTE** port, and connect the other end of the DTE cable to the appropriate COM port on your PC or terminal. Depending upon your port design, you may need to screw the connection in place.
3. If desired, connect an analog device (touchtone telephone, modem or fax) into either BitSURFR Pro jack labeled with a telephone handset. (The jack is designed to operate with most popular phone cables.)
4. If your ISDN line is configured for Caller ID, you can connect a Caller ID display unit to either of the voice ports.



#### **Note**

*The BitSURFR Pro does not support Caller ID Deluxe.*

5. Connect the power cord to the BitSURFR Pro jack labeled **PWR** and then plug the other end into a surge-protected outlet or wall outlet.



#### **Warning**

*When connecting the power cord, be sure you first connect it to the BitSURFR Pro and only then plug the transformer end into your wall outlet or power strip. This will prevent potential damage to your BitSURFR Pro, as well as reducing the possibility of electrical shock to the operator.*

Within twenty seconds, the LS LED should light up and remain red and unblinking. If it does not, check your power connections. If it still does not light up, refer to Chapter 14 “Troubleshooting Guide” in the *User’s Guide*.

## **Windows 95 Installation**

If you are using Windows 95, you will need to give the operating system some information about your BitSURFR Pro. This information is contained in a windows INF file on Disk 1 of the ISDN SURFR Setup installation diskette set (look for a filename with the extension **.INF**).

Follow the instructions below to install your BitSURFR Pro using Windows 95:

1. Make sure that your computer is on and Windows 95 is running.
2. Make sure that your BitSURFR Pro is on and connected to a COM port of your computer. (Refer to the earlier portion of this section for more specific instructions on connecting your BitSURFR Pro to your computer.)

If your BitSURFR Pro was already connected to your computer when you started it, Windows 95 may have automatically detected your new hardware. If so, proceed to step 8.

3. Double-click on the **My Computer** icon.
4. Double-click on the **Control Panel** folder.
5. Double-click on the **System** icon.
6. Click on the **Device Manager** tab. A directory tree of types of devices will be displayed.
7. Make sure that the **Computer** entry of your device tree is highlighted. Click on the **Refresh** button. Windows 95 will attempt to determine what new hardware has been connected to it. It should detect the BitSURFR Pro and to which COM port it is connected.
8. Windows 95 will display a New Hardware Found window. Choose the option **Driver from disk provided by hardware manufacturer** and click **OK**.



#### **Note**

*Selecting an option different from the one prescribed here or canceling the operation at this point may preclude Windows 95 from detecting your BitSURFR Pro in any subsequent installation attempts.*

9. Insert Disk 1 of the ISDN SURFR Setup installation diskette set into your PC's floppy disc drive and make sure that you have selected the correct drive in the dialog window. Click **OK**.
10. Choose the Motorola BitSURFR Pro, and click **OK**.
11. After a few moments, your BitSURFR Pro installation will be complete. An entry for the Motorola BitSURFR Pro will be added

to the list of modems under the Device Manager's tree of installed devices. Your BitSURFR Pro is now ready for configuration.

## **Connecting To Multiple Devices**

Figures 4 through 7 show how to connect your BitSURFR Pro to a combination of communication tools. The illustrations suggest basic groupings; your actual setup may vary.

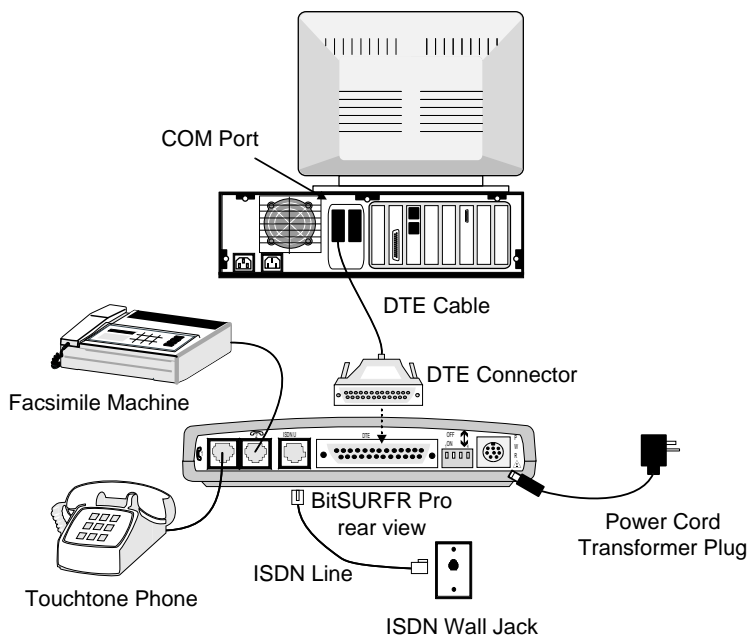
Figure 7 illustrates how it is possible to use the same COM port for both your BitSURFR Pro and an external modem connected to the BitSURFR Pro. You must connect an A/B switch to your COM port and connect the BitSURFR Pro and modem cables to the switch.



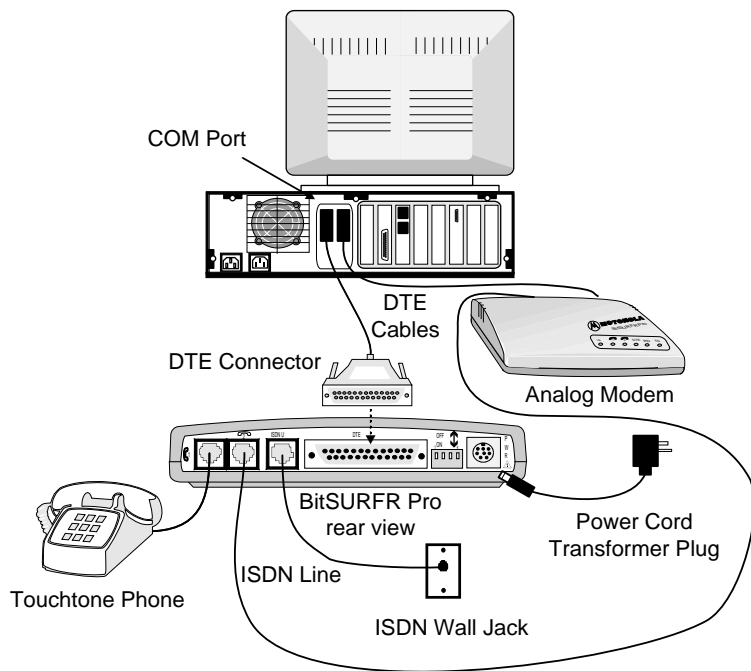
### **Caution**

*To prevent data loss in a configuration with an A/B switch, there can be no active communication between the PC and your BitSURFR Pro (not even call management software) while the modem is sending or receiving a call.*

Whichever setup you choose, you will know you have a successful connection when the LS LED on your BitSURFR Pro remains red and unblinking. Once you've reached this point, the first half of the installation process is complete. You are now ready to configure your BitSURFR Pro.

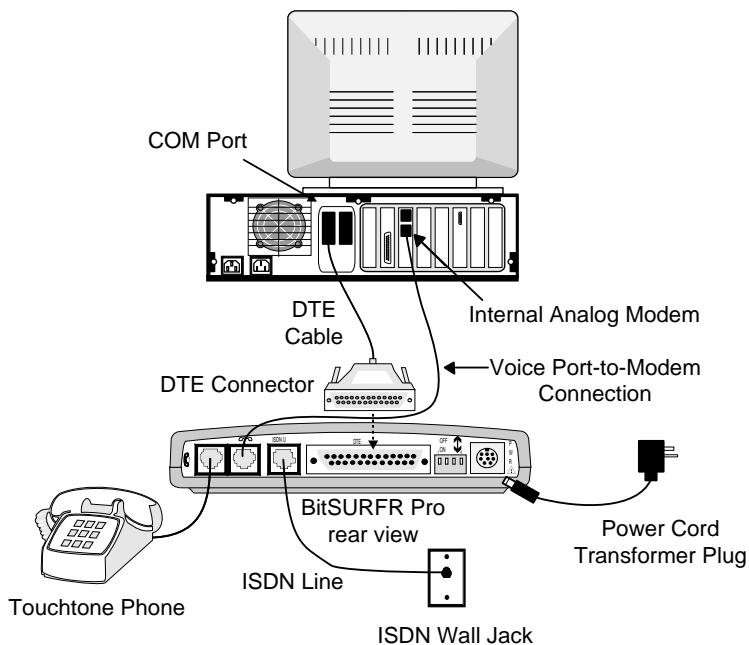


**Figure 4 - Installation With Fax Machine**

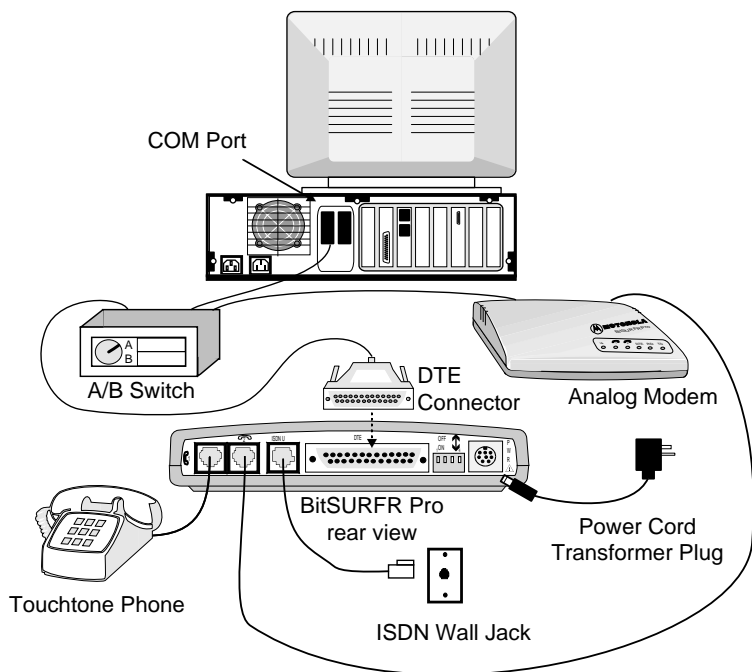


***Figure 5 - Installation With External Analog Modem***





**Figure 6 - Installation With Internal Analog Modem**



**Figure 7 - Installation With A/B Switch**