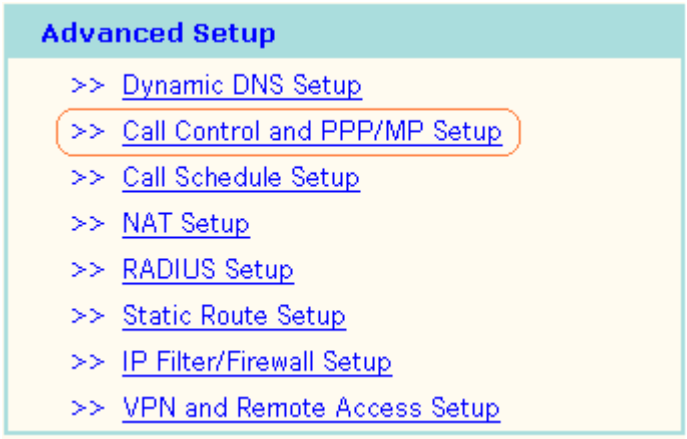
Call Control and PPP/MP Setup

Introduction

Some applications require that the router be remotely activated, or dial up to the ISP using the ISDN interface. For instance, if you are a user who accesses the Internet via ISDN from home, usually the dialup connection is idle when you are not at home. It may be that while working in the office, you want to get some files from home. This function allows you to make a phone call to the router and ask it to dial up to the ISP. Then you access your home network to retrieve the files. Of course, you have to have a fixed IP address and expose some internal network resources, such as FTP, WWW etc.

The following explains how to setup call control and PPP/MP in Advanced Setup:

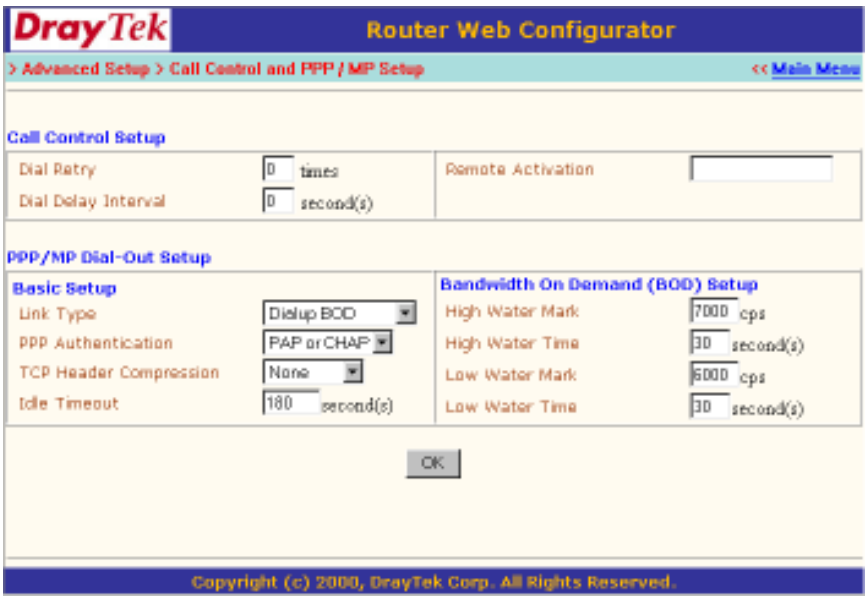


Advanced Setup

> Call Control and PPP/MP Setup

Note:
As the Vigor2600/ 2600We model do not feature an ISDN interface, Call Control and PPP/MP Setup will not be available.

Click **Call Control and PPP/MP Setup**. The following screen will open.



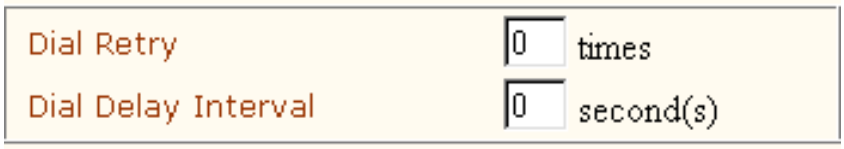
Enabling the Remote Activation Function

Specify a phone number in the Remote Activation field.

If the router accepts a call from the number 12345678, it will disconnect immediately and dial to the ISP. Note that **Internet Access Setup** > **Dialling to a Single ISP** should be preset properly.

Call Control Setup

On the **Call Control and PPP/MP Setup** setup page, you will see **Dial Retry** and **Dial Delay Interval**.



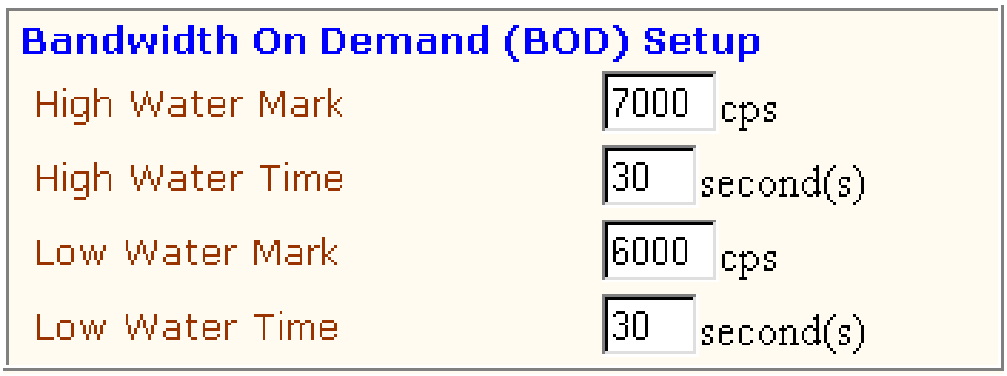
These two parameters set global settings for ISDN dialup access.

Dial Retry: Specifies the dial retry counts per triggered packet. A triggered packet is any packet whose destination is outside the local network. The default settings is no dial retry. If set to 5, for each triggered packet, the router will dial 5 times until it is connected to the ISP or remote access router.

Dial Delay Interval: Specifies the interval between dialup retrys. By default, the interval is 0 seconds.

Configuring the BOD Parameters

BOD stands for bandwidth-on-demand for Multiple-Link PPP (ML-PPP or MP). Click **Call Control and PPP/MP Setup** to see the following settings.



These parameters are activated when you set the **Link Type** to **Dialup BOD**. Usually the ISDN will use one B channel to access the Internet or remote network when you use the Dialup BOD link type. The router will use the parameters here to make a decision on when to activate/drop the additional B channel. Note that **cps** (characters-per-second) measures the total link utilization.

High Water Mark and High Water Time: These parameters specify the conditions under which the second channel will be activated. When the utilization of the first connected channel goes over the High Water Mark and past the High Water Time, the additional channel will be activated. The link speed will then be 128kbps (two B channels).

Low Water Mark and Low Water Time: These parameters specify the conditions under which the second channel will be dropped. When the two B channel's utilization is under the Low Water Mark and past the High Water Time, the additional channel will be dropped. The link speed will be 64kbps (one B channel).

Note:
If you are not familiar with ISDN and ML-PPP's operation, be wary of changing the default values.

Click **OK**.