

CHAPTER 21

Time Setup

21.1 Introduction

The router has two different ways to set up time base: one is using computer time base via HTTP protocol and another is using NTP (Network Time Protocol) client to get time base from the time server. If you want to use any time-based function (for example, Call Schedule and URL Content filtering), the system time function should be worked properly in advance.

21.2 Configuration

21.2.1 Set Time Base Using Web Browser

1. Before setting time base using web browser, you have to make sure whether the computer time is accurate or not. Login **Web Configurator** and then click **Time Setup**.

The screenshot displays the 'Time Setup' web interface. At the top, a breadcrumb trail reads '> System Management > Time Setup'. The interface is divided into two main sections: 'Time Information' and 'Time Setup'. The 'Time Information' section shows the 'Current System Time' as '2000 Jan 1 Sat 2 : 21 : 50' with an 'Inquire Time' button. The 'Time Setup' section contains two radio buttons: 'Use Browser Time' (selected) and 'Use Internet Time Client'. Below these are fields for 'Time Protocol' (set to 'NTP (RFC-1305)'), 'Server IP Address' (empty), 'Time Zone' (set to '(GMT) Greenwich Mean Time : Dublin'), and 'Automatically Update Interval' (set to '30 sec'). 'Cancel' and 'OK' buttons are at the bottom. A footer bar at the very bottom contains the text 'Copyright (c) 2004, DrayTek Corp. All Rights Reserved.'

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2. Select **Use Browser Time** and click **OK** button. Click **Time Setup** again and push **Inquire Time** to set time base to the router.

The screenshot shows a web interface titled 'System Management > Time Setup'. It is divided into two main sections: 'Time Information' and 'Time Setup'. In the 'Time Information' section, there is a 'Current System Time' field displaying '2003 Oct 30 Thu 14 : 21 : 47' and an 'Inquire Time' button. The 'Time Setup' section contains two radio buttons: 'Use Browser Time' (which is selected) and 'Use Internet Time Client'. Below these are fields for 'Time Protocol' (set to 'NTP (RFC-1305)'), 'Server IP Address' (an empty text box), 'Time Zone' (a dropdown menu showing '(GMT) Greenwich Mean Time : Dublin'), and 'Automatically Update Interval' (a dropdown menu showing '30 sec'). At the bottom of the 'Time Setup' section are 'Cancel' and 'OK' buttons. A copyright notice 'Copyright (c) 2004, DrayTek Corp. All Rights Reserved.' is visible at the very bottom of the interface.

3. The **Current System Time** block will display exact time information as your computer.

21.2.3 Set Time Base Using Time Client

1. Before setting up the time base through the time client, you have to make sure if the time server is working properly. If the time server is located at the Internet, you should also make sure the router has Internet access capability. Login **Web Configurator** and then click **Time Setup**.
2. Click **Use Internet Time Client**, choose **Time Protocol** as **NTP**, specify an IP address of time server for the **Server IP Address**, choose an adequate time zone in the **Time Zone** and in turn select an updated time interval in **Automatically Update Interval**. The following picture shows an example.

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The screenshot shows the 'Time Setup' window with the following details:

- Time Information:** Current System Time is '2000 Jan 1 Sat 0 : 4 : 8'. There is an 'Inquire Time' button.
- Time Setup:**
 - ☐ Use Browser Time
 - ☒ Use Internet Time Client
 - Time Protocol: NTP (RFC-1305)
 - Server IP Address: (empty field)
 - Time Zone: (GMT) Greenwich Mean Time : Dublin
 - Automatically Update Interval: 30 sec
- Buttons: Cancel, OK
- Footer: Copyright (c) 2004, DrayTek Corp. All Rights Reserved.

3. Click **OK** button, wait for few seconds, and then the time client will get time base from the specified time server. Click **Time Setup** again to check **Current System Time** information as shown below.

The screenshot shows the 'Time Setup' window after the configuration has been applied. The details are as follows:

- Time Information:** Current System Time is now '2003 Oct 30 Thu 14 : 24 : 16'. The 'Inquire Time' button is still present.
- Time Setup:**
 - ☐ Use Browser Time
 - ☒ Use Internet Time Client
 - Time Protocol: NTP (RFC-1305)
 - Server IP Address: 126.66.6.123
 - Time Zone: (GMT+08:00) Taipei
 - Automatically Update Interval: 30 sec
- Buttons: Cancel, OK
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