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# CHAPTER 17

## Time Setup

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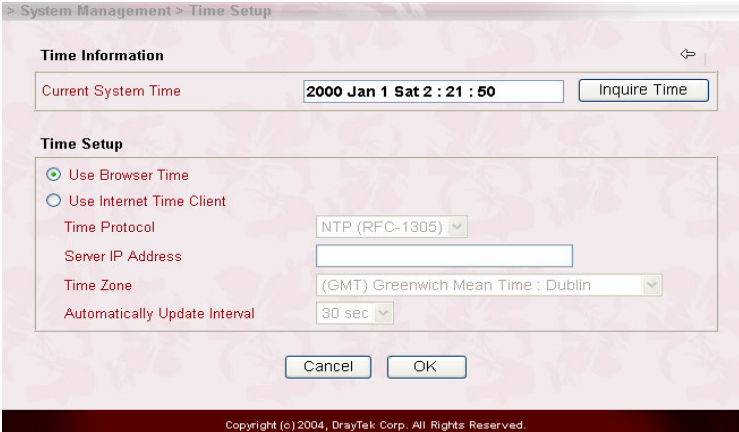
### 17.1 Introduction

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.

### 17.2 Configuration

#### 17.2.1 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 shows the 'Time Setup' configuration page. At the top, it says 'System Management > Time Setup'. Under 'Time Information', the 'Current System Time' is '2000 Jan 1 Sat 2 : 21 : 50' and there is an 'Inquire Time' button. Under 'Time Setup', there are 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' (empty), 'Time Zone' (set to '(GMT) Greenwich Mean Time : Dublin'), and 'Automatically Update Interval' (set to '30 sec'). At the bottom are 'Cancel' and 'OK' buttons. A footer at the very bottom reads 'Copyright (c) 2004, DrayTek Corp. All Rights Reserved.'

2. Select **Use Browser Time** and click **OK** button. Click **Time Setup**

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again and push **Inquire Time** to set time base to the router.

System Management > Time Setup

**Time Information**

Current System Time: 2003 Oct 30 Thu 14 : 21 : 47 [Inquire Time]

**Time Setup**

Use Browser Time  
 Use Internet Time Client

Time Protocol: NTP (RFC-1305)  
Server IP Address: [ ]  
Time Zone: (GMT) Greenwich Mean Time : Dublin  
Automatically Update Interval: 30 sec

[Cancel] [OK]

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

### 17.2.3 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.

## Time Setup

The screenshot shows the 'Time Setup' configuration page. Under 'Time Information', the 'Current System Time' is '2000 Jan 1 Sat 0 : 4 : 8'. Under 'Time Setup', 'Use Internet Time Client' is selected. The 'Time Protocol' is 'NTP (RFC-1305)', 'Server IP Address' is empty, 'Time Zone' is '(GMT) Greenwich Mean Time : Dublin', and 'Automatically Update Interval' is '30 sec'. 'Cancel' and 'OK' buttons are at the bottom.

System Management > Time Setup

**Time Information**

Current System Time: 2000 Jan 1 Sat 0 : 4 : 8 [Inquire Time]

**Time Setup**

Use Browser Time

Use Internet Time Client

Time Protocol: NTP (RFC-1305)

Server IP Address: [ ]

Time Zone: (GMT) Greenwich Mean Time : Dublin

Automatically Update Interval: 30 sec

[Cancel] [OK]

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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' configuration page after the settings have been updated. Under 'Time Information', the 'Current System Time' is now '2003 Oct 30 Thu 14 : 24 : 16'. Under 'Time Setup', 'Use Internet Time Client' is still selected. The 'Time Protocol' is 'NTP (RFC-1305)', 'Server IP Address' is '126.66.6.123', 'Time Zone' is '(GMT+08:00) Taipei', and 'Automatically Update Interval' is '30 sec'. 'Cancel' and 'OK' buttons are at the bottom.

System Management > Time Setup

**Time Information**

Current System Time: 2003 Oct 30 Thu 14 : 24 : 16 [Inquire Time]

**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

[Cancel] [OK]

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