

# ***How to Upgrade DSL Modem Code***

**29 April 2014**  
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## Step 1

Go to web System Maintenance >> Modem Code Upgrade.

The screenshot displays the DrayTek web management interface for a Vigor 2860 Series device. The top navigation bar includes the DrayTek logo, the device model 'Vigor 2860 Series', and several utility icons. On the left, a sidebar menu lists various system maintenance options, with 'Modem Code Upgrade' highlighted in red. The main content area is titled 'System Maintenance >> Modem Code Upgrade' and contains a section for 'Web DSL Modem Code Upgrade'. This section prompts the user to 'Select a modem code file.' and features a file selection button labeled '選擇檔案' (Select File) and a status indicator '未選擇檔案' (No file selected). Below this, there is a text prompt 'Click Upgrade to upload the file.' and an 'Upgrade' button. The sidebar also shows a status indicator 'Off' and 'IPv6'.

**DrayTek** Vigor 2860 Series

System Maintenance >> Modem Code Upgrade

Web DSL Modem Code Upgrade

Select a modem code file.

選擇檔案 未選擇檔案

Click Upgrade to upload the file. Upgrade

Off IPv6

USB Application  
System Maintenance  
System Status  
TR-069  
Administrator Password  
User Password  
Login Page Greeting  
Configuration Backup  
SysLog / Mail Alert  
Time and Date  
SNMP  
Management  
Reboot System  
Firmware Upgrade  
**Modem Code Upgrade**  
Activation  
Diagnostics  
External Devices

Support Area  
Product Registration

All Rights Reserved.

## Step2

Select the mdm file.

The screenshot displays the DrayTek web management interface for a Vigor 2860 Series device. The page title is "System Maintenance >> Modem Code Upgrade". A sidebar on the left contains various system management options, with "Modem Code Upgrade" highlighted in red. A file selection dialog box titled "開啓" (Open) is overlaid on the page, showing the contents of a "temp" folder. Three files are listed: "dsl\_vr9\_541316\_540411.mdm", "dsl\_vr9\_542016\_533B11.mdm", and "dsl\_vr9\_547916\_544411.mdm". The first file is selected. Below the file list, the "檔名(N):" (Name) field is set to "dsl\_vr9\_541316\_540411" and the "檔案類型(T):" (File type) is set to "所有檔案" (All files). The "開啓(O)" (Open) button is highlighted with a red box.

## Step3

Press Upgrade button.

The screenshot displays the DrayTek web management interface for a Vigor 2860 Series device. The top navigation bar includes the DrayTek logo, the device model 'Vigor 2860 Series', and several utility icons. A left-hand sidebar menu lists various system functions, with 'Modem Code Upgrade' highlighted in red. The main content area is titled 'System Maintenance >> Modem Code Upgrade' and contains a section for 'Web DSL Modem Code Upgrade'. This section prompts the user to 'Select a modem code file.' and shows a file selection field with the text '選擇檔案 dsl\_vr9\_541...\_540411.mdm'. Below this, it instructs the user to 'Click Upgrade to upload the file.' and features a red-bordered 'Upgrade' button.

**DrayTek** Vigor 2860 Series

System Maintenance >> Modem Code Upgrade

**Web DSL Modem Code Upgrade**

Select a modem code file.

選擇檔案 dsl\_vr9\_541...\_540411.mdm

Click Upgrade to upload the file. **Upgrade**

Off **IPv6**

USB Application  
System Maintenance  
System Status  
TR-069  
Administrator Password  
User Password  
Login Page Greeting  
Configuration Backup  
SysLog / Mail Alert  
Time and Date  
SNMP  
Management  
Reboot System  
Firmware Upgrade  
**Modem Code Upgrade**  
Activation  
Diagnostics  
External Devices

Support Area  
Product Registration

All Rights Reserved.

## Step4

Press OK button. The Router will start to upgrade.

The screenshot shows the DrayTek web management interface. On the left is a sidebar menu with the following items: Off, IPv6, USB Application, System Maintenance, System Status, TR-069, Administrator Password, User Password, Login Page Greeting, Configuration Backup, SysLog / Mail Alert, Time and Date, SNMP, Management, Reboot System, Firmware Upgrade, **Modem Code Upgrade**, Activation, Diagnostics, and External Devices. At the bottom of the sidebar are Support Area and Product Registration.

The main content area is titled "System Maintenance" and "Web DSL". A modal dialog box is open in the center with the title "192.168.1.1 的網頁顯示:". The dialog contains the following text: "Warning: Please keep the power and network connection stable during modem code upgrade!". Below the text are two buttons: "確定" (OK) and "取消" (Cancel). The "確定" button is highlighted with a red border.

Below the dialog box, the main interface shows a file selection area with the text "Select a modem code file." and a text input field containing "dsl\_vr9\_541...\_540411.mdm". Below the input field is the text "Click Upgrade to upload the file." and an "Upgrade" button.

## Step 5

Wait until the upgrade is completed.

The screenshot displays the DrayTek web management interface for a Vigor2860 Series device. The top navigation bar includes the DrayTek logo, the device model 'Vigor2860 Series', and several utility icons. On the left, a sidebar menu lists various system functions, with 'Modem Code Upgrade' highlighted in red. The main content area shows the 'System Maintenance >> Modem Code Upgrade' page. A central message box states 'DSL modem code Upgrade is in progress... It must NOT be interrupted!' and features a progress bar that is approximately 25% full.

**DrayTek** Vigor2860 Series

Auto Logout IP6

System Maintenance >> Modem Code Upgrade

Web DSL Modem Code Upgrade

DSL modem code Upgrade is in progress... It must NOT be interrupted!

Progress bar: [ 25% ]

System Maintenance

- System Status
- TR-069
- Administrator Password
- User Password
- Login Page Greeting
- Configuration Backup
- SysLog / Mail Alert
- Time and Date
- SNMP
- Management
- Reboot System
- Firmware Upgrade
- Modem Code Upgrade**
- Activation

Diagnostics

External Devices

Support Area

Product Registration

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## Step 6

Press Restart button.

The screenshot displays the DrayTek web management interface for the Vigor 2860 Series. The top navigation bar includes the DrayTek logo, the product name 'Vigor 2860 Series', and several utility icons. The left sidebar contains a menu with various system settings, with 'Modem Code Upgrade' highlighted in red. The main content area shows a 'System Maintenance >> Modem Code Upgrade' breadcrumb. The central message reads 'Congratulation!' followed by 'DSL modem code file has been uploaded successfully. Please click **Restart** to apply the updated settings.' The 'Restart' button is highlighted with a red box.

**DrayTek** Vigor 2860 Series

System Maintenance >> Modem Code Upgrade

Off **IPv6**

USB Application  
System Maintenance  
System Status  
TR-069  
Administrator Password  
User Password  
Login Page Greeting  
Configuration Backup  
SysLog / Mail Alert  
Time and Date  
SNMP  
Management  
Reboot System  
Firmware Upgrade  
**Modem Code Upgrade**  
Activation  
Diagnostics  
External Devices

Support Area  
Product Registration

All Rights Reserved.

**Congratulation!**

DSL modem code file has been uploaded successfully.  
Please click **Restart** to apply the updated settings.

## Step 7

Press OK button. The Router will reboot.

The screenshot shows the DrayTek Vigor web management interface. A modal dialog box is displayed in the center, titled "192.168.1.1 的網頁顯示:", containing the text "Click the following button to restart the router!" and a button labeled "確定" (OK) which is highlighted with a red border. Below the dialog, the main page content displays "Congratulation!" followed by the message: "DSL modem code file has been uploaded successfully. Please click  to apply the updated settings." The left sidebar menu includes options such as "System Maintenance", "Modem Code Upgrade", and "Reboot System".

## Use the new DSL Modem Code

Go to web WAN>>General Setup>>WAN1.

### DrayTek

### Vigor2860 Series



Off  **IPv6**

- Dashboard
- Wizards
- Online Status

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- WAN**
- General Setup**
- Internet Access
- Multi-PVC/VLAN
- LAN
- Load-Balance/Route Policy
- NAT
- Firewall
- User Management
- Objects Setting
- CSM
- Bandwidth Management
- Applications
- VPN and Remote Access
- Certificate Management
- Central VPN Management
- Central AP Management
- VoIP
- SSL VPN

#### WAN >> General Setup

Load Balance Mode:

| Setup       |                                     |                           |                                  |             |
|-------------|-------------------------------------|---------------------------|----------------------------------|-------------|
| Index       | Enable                              | Physical Mode/Type        | Line Speed(Kbps) DownLink/UpLink | Active Mode |
| <b>WAN1</b> | <input checked="" type="checkbox"/> | ADSL/-                    | 0 / 0                            | Always On   |
| <b>WAN2</b> | <input checked="" type="checkbox"/> | Ethernet/Auto negotiation | 0 / 0                            | Always On   |
| <b>WAN3</b> | <input checked="" type="checkbox"/> | USB/-                     | 0 / 0                            | Always On   |
| <b>WAN4</b> | <input checked="" type="checkbox"/> | USB/-                     | 0 / 0                            | Always On   |

**Note:** The line speed setting of WAN interface is available only when According to Line Speed is selected as the Load Balance Mode.

OK

## Use the new DSL Modem Code

Select the specific DSL modem code and press OK.

Dashboard  
Wizards  
Online Status

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WAN

**General Setup**

Internet Access  
Multi-PVC/VLAN

LAN

Load-Balance/Route Policy  
NAT  
Firewall  
User Management  
Objects Setting  
CSM

Bandwidth Management  
Applications  
VPN and Remote Access  
Certificate Management  
Central VPN Management  
Central AP Management  
VoIP  
SSL VPN  
USB Application  
System Maintenance  
Diagnostics  
External Devices

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Support Area  
Product Registration

All Rights Reserved.

Admin mode  
Status: Ready

### WAN 1

|                             |                                     |
|-----------------------------|-------------------------------------|
| Enable:                     | Yes ▾                               |
| Display Name:               | <input type="text"/>                |
| Physical Mode:              | ADSL                                |
| DSL Mode:                   | Auto ▾                              |
| Physical Type:              | Auto negotiation ▾                  |
| DSL Modem Code:             | AnnexA_541316_540411 ▾              |
| Line Speed(Kbps):           | Default                             |
| DownLink                    | AnnexA_548006_544401                |
| UpLink                      | AnnexA_560816_552011                |
|                             | AnnexA_541316_540411                |
| VLAN Tag insertion (ADSL):  | Disable ▾ (for channel 1)           |
| Tag value:                  | <input type="text"/> (0~4095)       |
| Priority:                   | <input type="text"/> (0~7)          |
| VLAN Tag insertion (VDSL2): | Disable ▾                           |
| Tag value:                  | <input type="text"/> (0~4095)       |
| Priority:                   | <input type="text"/> (0~7)          |
| Active Mode:                | Always On ▾                         |
| Load Balance:               | <input checked="" type="checkbox"/> |

#### Note:

1. The line speed setting of WAN interface is available only when According to Line Speed is selected as the Load Balance Mode.
2. In DSL auto mode, the router will reboot automatically while switching between VDSL2 and ADSL lines.