

# Setting Up a Linksys Router With PowerDSL

## For single/multiple computers sharing a single PPPoE connection

Micro.com PowerDSL uses PPPoE (Point-to-Point Protocol over Ethernet) to establish Internet connections for end-users. To set up a Linksys router, you need to enable PPPoE on the router's web-based setup page.

To setup a Linksys router with a DSL connection you need to perform three tasks:

- Connect the Devices Together
- Check the LEDs
- Set up PPPoE on your Linksys Router

### Connecting the Devices Together

After ensuring that your DSL service is active, connect the modem to the router's Internet port and the computer to any of the four Ethernet ports.

### Checking the LEDs

After connecting your modem and PC to the router, check the lights on the front panel of the router to make sure the Internet and corresponding port lights are on.

### Setting-Up PPPoE on your Linksys Router

The screenshot shows the Linksys router's web-based setup page. The page is titled "LINKSYS A Division of Cisco Systems, Inc." and features a navigation menu with options like "Setup", "Wireless", "Security", "Access Restrictions", "Applications & Gaming", "Administration", and "Status". The "Setup" menu is expanded, showing sub-options: "Basic Setup", "DNS", "MAC Address Clone", and "Advanced Routing". The "Internet Setup" section is active, displaying "Internet Connection Type" as "Automatic Configuration - DHCP". Below this, there are input fields for "Router Name", "Host Name", and "Domain Name". The "MTU" is set to "Auto" and "Size" is set to "1500". The "Network Setup" section is also visible, showing "Local IP Address" as "192.168.2.1" and "Subnet Mask" as "255.255.255.0". A yellow callout box with an arrow points to the "Local IP Address" field, containing the text "Change Local IP Address to 192.168.2.1". On the right side, there is a "Automatic Configuration - DHCP" section with explanatory text and a "More..." link.

### Step 1:

Access the router's setup page using a web browser. (Default: <http://192.168.1.1>)

## Step 2:

When the router's web-based setup page appears, click the **Setup** tab, look for **Internet Connection Type**, and select **PPPoE** on the drop-down arrow.

**LINKSYS**  
A Division of Cisco Systems, Inc.

Click **Setup**.

**Setup** | Wireless | Security | Access Restrictions | Applications & Gaming | Administration | Status

Basic Setup | DDNS | MAC Address Clone | Advanced Routing

**Internet Setup**

**Internet Connection Type**

PPPoE

User Name:

Password:

Connect on Demand: Max Idle Time  Min.

Keep Alive: Redial Period  Sec.

Optional Settings (required by some ISPs)

Router Name:

Host Name:

Domain Name:

MTU:

Size:

**PPPoE:** This setting is most commonly used by DSL providers.

**Password:** Enter the password provided by your ISP. **More...**

**Host Name:** Enter the host name provided by your ISP.

**Domain Name:** Enter the domain name provided by your ISP. **More...**

**Local IP Address:** This is the address of the router.

## Step 3:

Enter the username and password that your ISP provided you in the **User name** and **Password** fields. Example: 1234567890@value.net (where (123) 456-7890 is the 10-digit phone number your DSL service is active on).

## Step 4:

Click .

## Step 5:

Click the **Status** tab look for **Login Status** and check its **Connected**. If it's Connected, you should be able to access the Internet.

**NOTE:** If **Login Status** is

**Disconnected**, click  and check if you're receiving an error message.

**LINKSYS**  
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Click **Status**.

**Status** | Setup | Wireless | Security | Access Restrictions | Applications & Gaming | Administration

Router | Local Network | Wireless

**Router Information**

Firmware Version:

Current Time: Thu, 19 Jan 2006 16:46:51

MAC Address: 00:0c:8c:0e:0e:0e

Router Name:

Host Name:

Domain Name:

**Internet Configuration Type**

Login Type: PPPoE

Login Status: Disconnected

IP Address: 0.0.0.0

Subnet Mask: 0.0.0.0

Default Gateway: 0.0.0.0

**Firmware Version:** This is the Router's current firmware.

**Current Time:** This shows the time, as you set on the Setup Tab.

**MAC Address:** This is the Router's MAC Address, as seen by your ISP.

**Router Name:** This is the specific name for the Router, which you set on the Setup Tab. **More...**

**Configuration Type:** This shows the information required by your ISP for connection to the Internet. This information was entered on the Setup Tab. You can **Connect** or **Disconnect** your connection.

Check Login Status if it says **Connected**.

For more information, or if you have questions or problems with your setup, please contact Micro.com PowerDSL support at 1-866-377-5212.