

TP-LINK TD-W8901G modem/router Setup - Routed Mode

This will help you to configure your modem/router in routed mode for the Montreal-DSL internet connection.

1. Open up your **Web Browser** and type in **192.168.1.1** in the address bar at the top and hit **Enter**. This will open up the TD-W8901G home page. Username: admin, password: admin



2. Select the **Quick Start** tab, then click **RUN WIZARD**, and you will see the next screen.
Click the **NEXT** button.

Quick Start

The Wizard will guide you through these following quick steps. Begin by clicking on **NEXT**.

- Step 1. Choose your time zone
- Step 2. Set your Internet connection
- Step 3. Wireless network configuration
- Step 4. Save your current ADSL Router configuration

NEXT **EXIT**

3. Configure the time for the Router, and then click the **NEXT** button. (GMT -5) for ON/QC

4. Select the connection type to connect to Montreal-DSL: **PPPoE/PPPoA** mode, and then click the **NEXT** button.

Quick Start - ISP Connection Type

Select the Internet connection type to connect to your ISP. Click **NEXT** to continue.

- Dynamic IP Address Choose this option to obtain a IP address automatically from your ISP.
- Static IP Address Choose this option to set static IP information provided to you by your ISP.
- PPPoE/PPPoA Choose this option if your ISP uses PPPoE/PPPoA. (For most DSL users)
- Bridge Mode Choose this option if your ISP uses Bridge Mode.

5. Configure the following options provided by Montreal-DSL:

Username: **username@pppoe.ca** (for PRO) or **username@dslinternet.ca** (for unlimited)

Password: provided on Montreal-DSL welcome email

VPI/VCI: 0/35 for ON/QC and 0/33 for BC/AB.

Connection Type: PPPOE.

Then click **Next**.

Quick Start - PPPoE/PPPoA

Enter the PPPoE/PPPoA information provided to you by your ISP. Click **NEXT** to continue.

Username:

Password:

VPI: (0~255)

VCI: (1~65535)

Connection Type:

6. Configure the rules for the WLAN, and click **NEXT**.

Quick Start - WLAN

You may enable/disable Wlan, change the Wlan SSID and Authentication type in this page.

Access Point : Activated Deactivated

SSID :

Broadcast SSID : Yes No

Authentication Type : ▼

7. Click **NEXT** to finish the Quick Start.

Quick Start Complete !!

The Setup Wizard has completed. Click on **BACK** to modify changes or mistakes. Click **NEXT** to save the current settings.

8. Choose “**Interface Setup**→**Wireless**” menu, and you will see the Wireless screen. Please configure the parameters for wireless according to the descriptions below.

Interface	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status	Help
	Internet	LAN	Wireless				
Access Point Settings							
Access Point: <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated Channel: 06 <input type="text"/> Current Channel: 6 <input type="text"/> Beacon Interval: 100 <input type="text"/> (range: 20~1000) RTS/CTS Threshold: 2347 <input type="text"/> (range: 1500~2347) Fragmentation Threshold: 2346 <input type="text"/> (range: 256~2346, even numbers only) DTIM: 1 <input type="text"/> (range: 1~255) 802.11 b/g: 802.11b+g <input type="text"/>							
Multiple SSIDs Settings							
SSID Index: 1 <input type="text"/> SSID: TP-LINK <input type="text"/> Broadcast SSID: <input checked="" type="radio"/> Yes <input type="radio"/> No Authentication Type: Disabled <input type="text"/>							
Wireless MAC Address Filter							
Active: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated Action: Allow Association <input type="text"/> the follow Wireless LAN station(s) association. Mac Address #1: 00:00:00:00:00:00 <input type="text"/> Mac Address #2: 00:00:00:00:00:00 <input type="text"/> Mac Address #3: 00:00:00:00:00:00 <input type="text"/> Mac Address #4: 00:00:00:00:00:00 <input type="text"/> Mac Address #5: 00:00:00:00:00:00 <input type="text"/> Mac Address #6: 00:00:00:00:00:00 <input type="text"/> Mac Address #7: 00:00:00:00:00:00 <input type="text"/> Mac Address #8: 00:00:00:00:00:00 <input type="text"/>							
<input type="button" value="SAVE"/> <input type="button" value="CANCEL"/>							

Access point Settings: These are the settings of the access point. You can configure the rules to allow wireless-equipped computers and other devices to communicate with a wireless network.

- **Access point:** Select Activated to allow wireless station to associate with the access point.
- **Channel:** Select the channel you want to use from the drop-down List of Channel. This field determines which operating frequency will be used. It is not necessary to change the wireless channel unless you notice interference problems with another nearby access point.
- **Beacon Interval:** Enter a value between 20-1000 milliseconds. The Beacon Interval value indicates the frequency interval of the beacon. A beacon is a packet broadcast by the Router to synchronize the wireless network. The default value is 100.

- **RTS/CTS Threshold:** Should you encounter inconsistent data flow, only minor reduction of the default value 2347 is recommended. If a network packet is smaller than the preset RTS threshold size, the RTS/CTS mechanism will not be enabled. The Router sends Request to Send (RTS) frames to a particular receiving station and negotiates the sending of a data frame. After receiving an RTS, the wireless station responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission. In most cases, keep its default value of 2347.
 - **DTIM:** This value, between 1 and 255, indicates the interval of the Delivery Traffic Indication Message (DTIM). A DTIM field is a countdown field informing clients of the next window for listening to broadcast and multicast messages. When the Router has buffered broadcast or multicast messages for associated clients, it sends the next DTIM with a DTIM Interval value. Its clients hear the beacons and awaken to receive the broadcast and multicast messages. The default value is 1.
 - **802.11 b/g:** In the drop-down list you can select “802.11g (54Mbps)” or “802.11b (11Mbps)”. “802.11 b+g (54Mbps & 11Mbps)”, which allows both 802.11g and 802.11b wireless stations to connect to the Router.
- **Wireless MAC Address Filter:** Wireless access can be filtered by using the MAC addresses of the wireless devices transmitting within your network’s RADIUS.
- **Active:** If you wish to filter users by MAC Address, select “Activated”, and “Deactivated” for don’t.
 - **Action:** To filter wireless users by MAC Address, select “Allow Association” or “Deny Association” the follow Wireless LAN station(s) association.
 - **MAC Address:** Enter the MAC Address you wish to filter in the field.
- **Multiple SSIDs Settings:** These are the settings of the SSID.
- **SSID Index:** The index of the SSID, and in this model, you can only leave it as a default value of 1.
 - **SSID:** Wireless network name shared among all points in a wireless network. The SSID must be identical for all devices in the wireless network. It is case-sensitive and must not exceed 32 characters (use any of the characters on the keyboard). Make sure this setting is the same for all stations in your wireless network. Type the desired SSID in the space provided.
 - **Broadcast SSID:** When wireless clients survey the local area for wireless networks to associate with, they will detect the SSID broadcast by the Router. To broadcast the Router’s SSID, keep the default setting. If you don’t want to broadcast the Router’s SSID, select “No”.
 - **Authentication Type:** Select an authentication type from the drop-down list, which allows you to configure security features of the wireless LAN interface. Options available are: Disabled, WEP-64Bits, WEP-128Bits, **WPA-PSK, and WPA2-PSK (recommended)**

WPA2-PSK

To configure WPA2-PSK settings, select the WPA2-PSK option from the drop-down list. The menu will change to offer the appropriate settings. WPA2-PSK requires a shared key and does not use a separate server for authentication. PSK keys can be ASCII or Hex type.

Multiple SSIDs Settings	SSID Index : 1
	SSID : TP-LINK
	Broadcast SSID : <input checked="" type="radio"/> Yes <input type="radio"/> No
	Authentication Type : WPA2-PSK
WPA-PSK	Encryption : TKIP
	Pre-Shared Key : 0123456789 (8~63 characters)
Wireless MAC Address Filter	

For more detailed information on configuring your modem/router please visit manufacturer website link:

<http://www.tp-link.com/english/soft/20091515147.pdf>