

# SmartAX MT882 ADSL Router Quick Start

Thank you for purchasing SmartAX MT882 ADSL Router (hereinafter referred to as the MT882).

With the MT882, you can access the Internet through ADSL connection while making a phone call.

## 1 Safety Precautions

Pay attention to the following when installing and using the MT882.



Make sure the working platform is flat. Do not put heavy objects on the MT882.



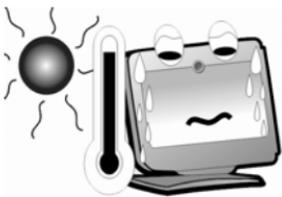
Use the AC/DC power adapter that matches the MT882.



Disconnect the power supply and all wires from the MT882 in lightning storm, to avoid lightning strike.



Take waterproof measures during the storage, transportation and running of the MT882.



Avoid direct sunlight.



Use a piece of soft cloth to clean the MT882. Do not use liquid or gas deperative.



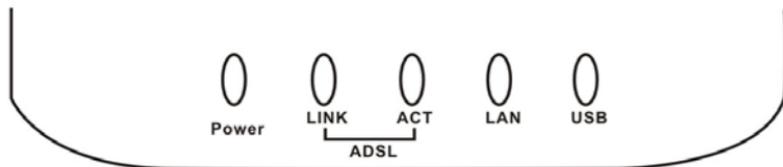
Note: When the MT882 is used for a long time, temperature of the shell will rise. This is normal.

# 2 Overview



Note: Figures of the front panel and the rear panel are only for your reference.

## Front Panel



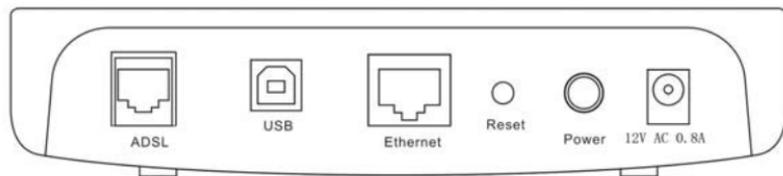
Indicator	Color	Status	Description
POWER	Green	On	The MT882 is powered on.
	Green	Off	The MT882 is not powered on.
ADSL LINK	Green	Blinking	The MT882 is being activated.
	Green	On	The MT882 is activated.
	Orange	Blinking	The built-in PPP dial-up software is dialing.
	Orange	On	The built-in PPP dial-up software succeeds in dialing.
	Orange /Green	Off	Telephone line is not connected or the next activation is being prepared.
ADSL ACT	Green	Blinking	There is traffic over the ADSL interface.
	Green	Off	No data is transmitted through the ADSL interface.
LAN	Green/ Orange	On	The Ethernet interface is normally connected.
	Green	Blinking	There is traffic over the Ethernet interface and the data is transmitted at 10 Mbit/s.
	Orange	Blinking	There is traffic over the Ethernet interface and the data is transmitted at 100 Mbit/s.
	Orange /Green	Off	The Ethernet interface is not connected with the network cable.

Indicator	Color	Status	Description
USB	Green	On	The USB interface is normally connected.
	Green	Blinking	There is traffic over the USB interface.
	Green	Off	The USB interface is not connected with the network cable or there is no traffic over the USB interface..



Note: If the MT882 fails to be activated, it tries again after an interval. In such an interval (about 1 minute), the ADSL LINK indicator is off.

## Rear Panel



Interface/Button	Description
ADSL	It is used to connect with the Modem interface of a splitter.
USB	It is used to connect with a computer.
Ethernet	It is used to connect with a computer or a switch.
Reset	It is used to restore the default settings of the MT882. Once you use this function, all your customized settings will be lost. Therefore, be careful with it.
Power	It is used to power on/off the MT882.
12V AC 0.8A	It is used to connect with the power adapter.



Note: The front panel and the rear panel shown in this section are only for your reference.

# 3 Preparations for Connection

## Splitter

The external splitter can separate the data and voice packets and enable users to access the Internet and make phone calls at the same time. The MT882 needs an external splitter. The splitter has three interfaces:

LINE: Connecting to the phone jack on the wall.

PHONE: Connecting to the telephone.

MODEM: Connecting to the ADSL interface of the the MT882.

## Ethernet Network Adapter

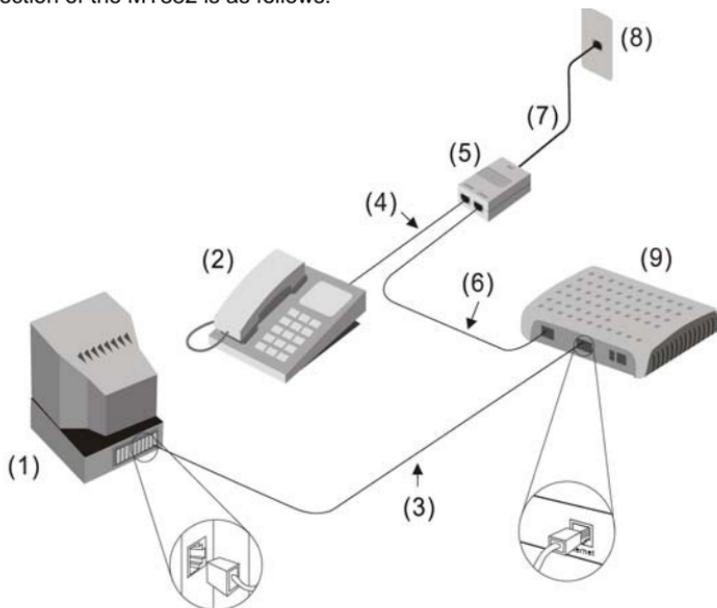
You need to connect the Ethernet interface of the MT882 with the Ethernet interface of your computer. Make sure that the Ethernet network adapter is installed in your computer and the TCP/IP service is enabled in your operating system.

## USB Driver

You can connect the USB interface of MT882 with the USB interface of your computer. In this case, you need to install the USB driver on your computer first. You can find the USB driver in the provided CD-ROM.

# 4 Connecting the MT882

The connection of the MT882 is as follows:



(1) Computer

(4) RJ-11 telephone line

(7) RJ-11 telephone line

(2) Phone

(5) Splitter

(8) Phone jack

(3) RJ-45 Ethernet cable

(6) RJ-11 telephone line

(9) MT882

# 5 Configuring the MT882

You can get online by using the built-in PPP dial-up software of the MT882 or by using the built-in PPP dial-up software of your computer, after you configure the MT882 and your computer. The configuration is as follows.



Note: Please use the parameters provided by your Internet Service Provider (ISP) for configuration. If the configuration is wrong, you will not be able to access the Internet.

## Using the Built-In PPP Dial-Up Software to Get Online

### Step 1: Configure the MT882 to enable the built-in dial up function

- (1) Connect the MT882 with your computer by using a straight-through cable.
- (2) Configure the IP address of your computer to be in the same network segment as the MT882.
- (3) Start Internet Explorer on your computer and enter the Web address of the MT882 in the address bar.
- (4) Enter the username and password in the displayed login window.
- (5) Select **Basic > WAN Settings** from the navigation tree.
- (6) Find the PVC you want to modify. Click the  icon of the PVC to display the following configuration page.

PVC	PVC-0
Operation Mode	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
VPI/VCI	0 / 35
Mode	PPPoE
Encapsulation	<input checked="" type="radio"/> LLC <input type="radio"/> VC-Mux
Default Route	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
IGMP	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Traffic Index:	0
Service Name	
Username	guest
Password	*****
IP Unnumber	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Use DNS	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Configured MTU:	1500
Actual MTU:	9164
<input type="button" value="Submit"/>	



Note: The actual configuration page may vary with the version of the MT882. The above figure is only for your reference.

- (7) Set **Mode** to **PPPoE** and configure the other parameters. Then click **Submit**.
- (8) Select **Tools > Save & Reboot** from the navigation tree.
- (9) Select **Save** and click **Submit** to save your configuration.
- (10) Select **Reboot** and click **Submit** to restart the MT882.

## Step 2: Configure your computer

Configure your Network Interface Card (NIC) to make the computer to auto obtain information, such as the IP address, gateway and DNS.



Note: If the built-in dial-up function of the MT882 is enabled, you need to power off the MT882 when you do not want to access the Internet. Otherwise, ISP may calculate the fee for accessing the Internet even if you have powered off your computer.

## Using the PPP Dial-Up Software of the Computer to Get Online

### Step 1: Configure the MT882 to work in the pure bridge mode

Refer to steps for enabling the built-in dial-up function to configure the pure bridge mode. Select the **Pure Bridge** mode.

### Step 2: Configure your computer

The PPP dial-up software is installed in your computer, and then you can get online.

Windows XP (Professional) operating system has a built-in PPPoE dial-up software. To set up a dial-up connection in Windows XP system, do as follows:

- (1) Select **Start > All Programs > Accessories > Communications > Network Connections**.
- (2) Click **Create a new connection** in the displayed page.
- (3) Click Next in the New Connection Wizard dialog box.
- (4) Select Connect to the Internet and click Next.
- (5) Select Set up my connection manually and click Next.
- (6) Select Connect using a broadband connection that requires a username and password and click Next.
- (7) Enter the name of the dial-up connection (you can enter the name as you like). Then click **Next**.
- (8) Select Anyone's use or My use only and click Next.
- (9) Enter the username and password. Then click **Next**.
- (10) Click **Finish**.

# 6 Troubleshooting

Symptom	Solution
The Power indicator is not on	<ul style="list-style-type: none"><li>• Ensure that the power adapter matches the MT882.</li><li>• Ensure that the MT882 is connected to the power supply properly.</li><li>• Ensure the <b>Power</b> button is pressed.</li></ul>
The ADSL LINK indicator is not on	<ul style="list-style-type: none"><li>• Ensure that the ADSL line is connected properly.</li><li>• Ensure that the telephone line works normally. You can test with a telephone.</li><li>• Ensure that there is no capacitor or diode in the connection box.</li></ul>
The LAN indicator is not on	<ul style="list-style-type: none"><li>• Ensure that the provided network cable is used.</li><li>• Ensure that the cables are connected properly.</li><li>• Ensure that the network adapter indicator of your computer is on.</li><li>• Ensure that the NIC is working normally. Right-click <b>My Computer</b> to select <b>Properties</b>; Select <b>Hardware &gt; Device Manager</b>; check whether there are devices marked with ? or ! under <b>Network adapters</b>. If there are any such devices, delete and re-install them; or change the NIC slot. Change the NIC if the problem persists.</li></ul>
The Internet cannot be accessed	<p>Take the most commonly used access mode (a dial-up software is installed on your computer) as an example:</p> <ul style="list-style-type: none"><li>• Ensure that no problem listed above exists.</li><li>• Ensure that the dial-up software is correctly installed and set on your computer.</li><li>• Ensure that you have entered the right user name and password.</li><li>• If you still cannot access the Internet after the dial-up operation, check if the Proxy server on your IE is correctly configured. The Proxy server must be disabled.</li><li>• Try different Web sites, in case some Web site fails.</li><li>• Try to stop the dial-up connection and to re-establish the dial-up connection 5 minutes later.</li></ul>

# 7 FAQs

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## 1. Why does the ADSL connection break so often?

Many possible factors may cause this problem, such as faults in your ISP's access server, line disconnection, and line disturbance. You can check as follows:

- (1) Make sure that the ADSL line is connected properly.
- (2) Keep the MT882 away from appliances with strong electric fields or magnetic fields, such as a microwave oven and a refrigerator.
- (3) Make sure that no telephone or fax machine is connected directly to the ADSL line.
- (4) Replace the old ISA network adapter with a new 10/100M PCI network adapter and install the latest driver.
- (5) Find help on <http://www.huawei.com>.
- (6) Contact your ISP for help.

## 2. Will the call service and the ADSL access service influence each other?

The MT882 separates the voice and data signals by the FDM technique. Though transmitted through the same telephone line, voice and data traffic do not interfere with each other and the two services will not be influenced.

## 3. How to restore the default factory settings?

If you cannot get online, for you changed the working parameters of the MT882, try to restore the default factory settings of the MT882 as follows.

- (1) Find the **Reset** Button the rear panel of the MT882.
- (2) Use the speculate thing to press the **Reset** button, and then release it.

# 8 Technical Specifications

## General Specifications

Standards	ADSL Standards	ITU-T G.992.1 (G.dmt) Annex A ITU-T G.992.2 (G.lite) Annex A ITU-T G.994.1 (G.hs) ANSI T1.413 Issue # 2
	ADSL2 Standards	ITU G.992.3 (G.dmt.bis) Annex A ITU G.992.4 (G.lite.bis) Annex A
	ADSL2+ Standards	ITU G.992.5 Annex A
Data transfer rate	G.dmt	<ul style="list-style-type: none"><li>• The maximum downstream rate is 8 Mbit/s</li><li>• The maximum upstream rate is 896 kbit/s</li></ul>
	G.lite	<ul style="list-style-type: none"><li>• The maximum downstream rate is 1.5 Mbit/s</li><li>• The maximum upstream rate is 512 kbit/s</li></ul>
	T1.413	<ul style="list-style-type: none"><li>• The maximum downstream rate is 8 Mbit/s</li><li>• The maximum upstream rate is 896 kbit/s</li></ul>

## Physical and Environmental Specifications

Power consumption	< 4 W
Power adapter	Output: 12 V AC 0.8 A
Temperature of the working environment	0°C – 40°C (32°F – 104°F)
Humidity of the working environment	5% – 95% (non-condensing)
Dimensions	135 mm × 110 mm × 28 mm
Weight	180 g

This product has been designed to comply with the requirements on environmental protection. For the proper storage, use and disposal of this product, national laws and regulations must be observed.

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