

SmartAX MT882 ADSL Router

Quick Installation Guide

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SmartAX MT882 Quick Installation Guide

Use this Quick Installation Guide to quickly establish your ADSL connection and access the Internet.



Note: If there is a need to configure the device in your application, please ask for necessary information and guidance from your ISP.

Overview

The following summarize the information useful to install MT882:

- **MT882 Overview**
- **Preparation**
- **Connect MT882**
- **Quick Troubleshooting**
- **Safety Concerns**
- **FAQs**
- **Technical Specifications**
- **Appendix**

MT882 Overview

MT882 gives full consideration to the household arrangements, enabling horizontal and vertical positions as well as hanging on the wall. For how to stand it on your table, refer to the **Appendix**.

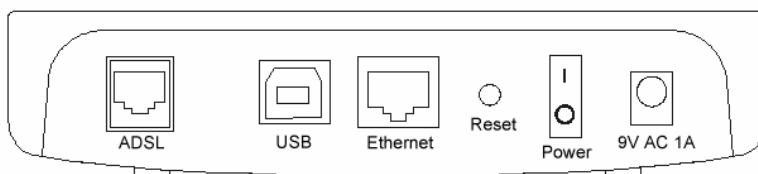


Figure 1 Rear panel



Note: There might be different power adapter used in different regions. Please make sure that your power adapter is in conformity with the sign in the rear panel (9V AC 1A).

In order to observe the LEDs, place the MT882 in a location where it is easy to move it.

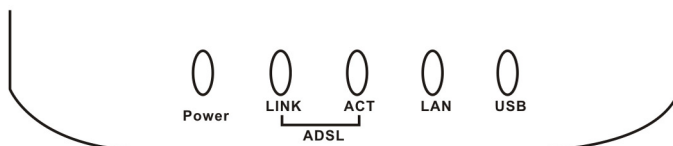


Figure 2 Front panel

The LED Indicators read as follows:

LED Indicator	Status	Description
Power	Steady green light	The unit is powered on.
ADSL LINK	Steady green light	A valid ADSL connection.
ADSL ACT	Blinking green light	There is traffic over ADSL line.
LAN	Steady green or orange light	A valid LAN connection.

LED Indicator	Status	Description
	Blinking green or orange light	There is traffic over Ethernet.
LAN	Green steady or blinking light	The speed of data transfer is 10Mbps.
	Orange steady or blinking light	The speed of data transfer is 100Mbps.
USB	Steady green light	A valid USB connection.
	Blinking green light	There is traffic over USB.

Preparation

USB Driver

Computer can be connected to MT882 through the USB port on MT882. To install the USB driver, if the OS in your computer is Windows 2000 or Windows XP, you must execute “SetupXP2K-En-De-Fr.exe” contained on the CD-ROM, which is provided with the modem. If there is a valid USB connection after the driver has been installed, the appropriate icon will be shown under “Network Adapters” in the “Device Manager”.

Dialing Application

Under the access mode of PPPoE, if the built-in dialing function of MT882 is disabled, you have to install additional dialing application on your computer that enables it to connect to the ISP's network.

Micro Filter(Optional)

ADSL is a server that provides broadband services over the existing telephone line, allowing PSTN telephone service and high-speed Internet access service to be used simultaneously.

The purpose of the micro filter is to filter the PSTN telephone service out of the ADSL service, so that your voice calls are immune to the interference generated during the transmission of the ADSL data.

T-connector(Optional)

T-connector, as its name denotes, is a T-shaped connector used to connect two RJ-11 cables. Each T-connector has two female ends (connecting to the ADSL modem or a telephone) and one male end (connecting to the telephone jack on the wall).

Splitter (Optional)

Using splitter can reduce disturbance signals in the telephone line. MT882 need to use a separate splitter. The external splitter has three ports.

- **LINE:** Connecting to the phone jack.
- **PHONE:** Connecting to the telephone sets.
- **MODEM:** Connecting to the ADSL port of MT882.

Ethernet NIC

Computer is connected to MT882 through the Ethernet port on MT882. Ensure your computer is configured with NIC adapter as well as Ethernet port. Besides, be sure to enable the TCP/IP for your operating system.

User Name and Password

For PPP connections you have to ask for user name and password from your ISP.

Connecting MT882

Place MT882 in a safe and accessible location where you can easily view the LED indicators on the front panel of the device.



Note: If you want to connect one telephone or above before MT882, a splitter is needed and works between the telephones and the line from phone Jack. For more details about connecting multiple telephones, please refer to the FAQs.

You are now ready to connect MT882. Follow these steps:

1. **Connect the ADSL line** –Plug one end of the twisted-pair phone cable into the LINE port of the splitter and insert the other end into the phone jack. Use another phone cable to connect the MODEM port of the splitter and the ADSL port on the rear panel of MT882.
2. **Connect the power adapter** - Connect the power adaptor to MT882 and the mains supply. Power on the switch. The Power LED indicator will turn on.
3. **Connect your PC's Ethernet port** - Use the 10/100Base-TX Ethernet cable provided to connect MT882 and your computer or notebook through those Ethernet ports.
4. **Connect your PC's USB port**–You can also use USB cable

to connect MT882 and your PC USB port after MT882 USB driver has been installed.

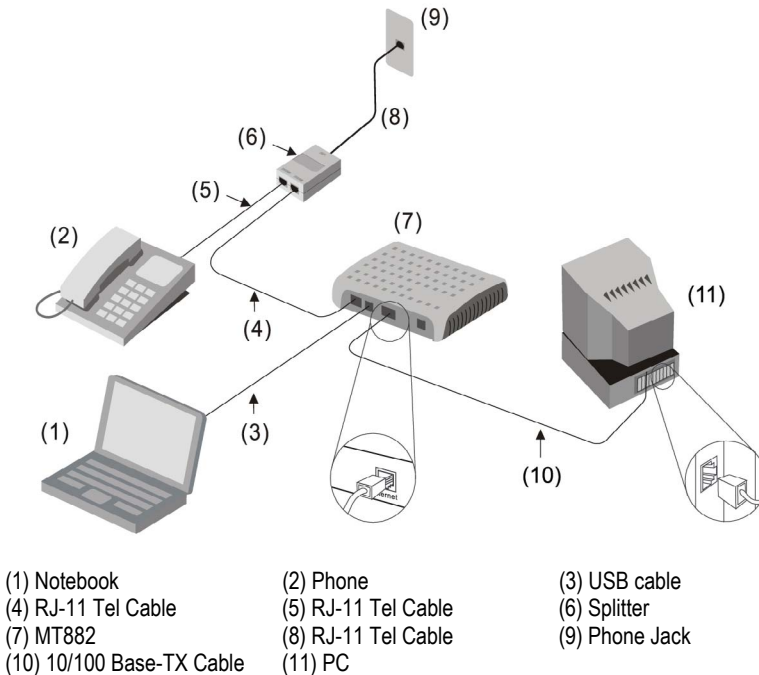


Figure 3 Computer to MT882 connection

When the LAN and USB LED of MT882 is on, it indicates the connection between MT882 and your PC is okay.



Note: Use cross-over cable to connect MT882 and the uplink port of a switch or hub. Be care, the attached Ethernet cable in the packing box is a straight-through cable. Be sure that the cable connecting the LAN to MT882 does not exceed 100 meters.

Quick Troubleshooting

Failures	Instructions
Power light is off	<ol style="list-style-type: none">1. Ensure the power adapter is well connected;2. Ensure the right power adapter is used.
ADSL LINK light is off	<ol style="list-style-type: none">1. Ensure the ADSL line is well connected;2. Ensure the telephone line before entering the house is valid, try to test with a telephone;3. Check that there is no junction box before connecting MT882, which has such components like capacitors or diodes that could hinder back high frequency signals;4. Ensure the Router and telephones are properly connected.
LAN or USB light is off	<ol style="list-style-type: none">1. Ensure you use the right cables from the Router to your PC;2. Ensure the connection is secured;3. Check if the NIC LED lights up;4. Ensure your NIC works normally by examining whether the item of "Networking Device" is labeled with "?" or "!". If it is, you may delete it and then click "Refresh" to reinstall. Otherwise you may try the NIC in another slot. As a last resort, you have to replace the NIC.

Failures	Instructions
Can't access the Internet	<p>Take the most common access mode as an example, in which a dial-up application is installed on the user's PC:</p> <ol style="list-style-type: none"> 1. Ensure that any of the problems above is not the reason; 2. Ensure that the dial-up application is correctly installed and set on your PC; 3. Ensure that you have entered the right user name and password; 4. Ensure "Use Proxy Server" is set properly for IE, if the problem still remains even after you have log into successfully; 5. Try more than one Web sites, in case of some Web server failure.

Safety Concerns

1. Place the MT882 on a stable stand or table.
2. Use the power adapter provided along with MT882.
3. Do not connect telephone directly to the ADSL line. Use the splitter to connect the phone.
4. Do not put heavy objects on top of the MT882.
5. Do not spill liquid of any kind onto the MT882. And keep the unit clean and in a dry environment.
6. Break off the power supply in a stormy weather.
7. Do not expose the MT882 to direct sunlight.
8. Do not put the MT882 on top of the cabinet of your PC.
9. Use a soft and dry cloth for cleaning.
10. When not in use, please power off the MT882.
11. Do not use junction boxes before connecting the MT882, which have such components like capacitors or diodes that could hinder back high frequency signals.



Note: When long been in use, the surface of the shell will reach a certain temperature. Don't worry, this is a natural phenomenon and the Router can still work normally.

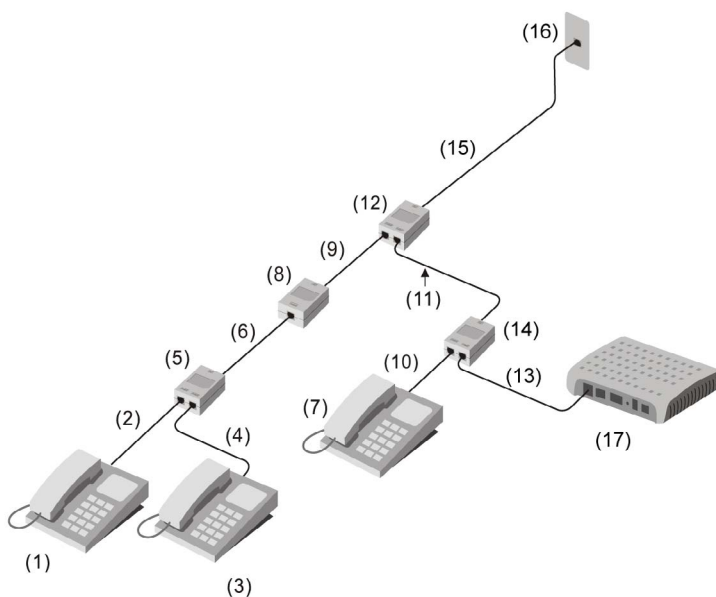
1 Why does the MT882 fall off line so often?

There are many factors concerned, such as faults in your ISP access server or MT882 (compatibility or quality problem), Ethernet card (low processing speed, invalid driver), line disconnection, line disturbance, etc. You are suggested to check the following items in your applicable range:

- 1) Ensure the ADSL connector is valid;
- 2) Keep the device away from heat sources, power line or highly powered electronic equipments;
- 3) Ensure no telephone or fax machine is connected directly to the ADSL subscriber line;
- 4) Update the old ISA NIC with new driver or replace it with a new 10/100M PCI NIC;
- 5) Find help on the Web site of <http://terminal.huawei.com>;
- 6) Contact your ISP as a last resort.

2 How to connect multiple telephones?

Make sure you have splitter installed before telephones. Otherwise, there might be noise on the line. Please find help from the figure below.



- | | | |
|----------------------|----------------------|----------------------|
| (1) Phone | (2) RJ-11 Tel Cable | (3) Phone |
| (4) RJ-11 Tel Cable | (5) Phone Socket | (6) RJ-11 Tel Cable |
| (7) Phone | (8) Micro Filter | (9) RJ-11 Tel Cable |
| (10) RJ-11 Tel Cable | (11) RJ-11 Tel Cable | (12) Phone Socket |
| (13) RJ-11 Tel Cable | (14) Splitter | (15) RJ-11 Tel Cable |
| (16) Phone Jack | (17) MT882 | |

3 What are the advantages compared with ordinary dial-up equipment and N-ISDN?

- 1) Higher data rate;
- 2) Though voice and data traffic are carried through a single line, the circuit switch does not process data traffic. That is, you don't need to pay extra telephone fee for accessing the Internet.

4 Is there any possibility of losing voice quality by using MT882 or threatening data rate by calling simultaneously?

FDM technology is used here to separate the voice and data traffic, which are totally independent to each other with standard frequency design. Even you make phone call while accessing the Internet, it will not cause the losing of voice quality or data rate.

5 Why can't I access the Internet by using virtual dialing through Microsoft's Internet Gateway?

Internet Gateway supports PPPoE itself. It is not proper to install other PPPoE terminal software, such as Enternet300.

6 How to configure in the Windows XP Pro operating system to access the Internet?

Windows XP Pro operating system has built-in PPPoE dial-up application. Click at "Network" to initiate a connection, select connection type "xDSL", and thus a PPPoE connection is set up.

Technical Specifications

General Specifications		
Standards	ADSL Standards: ANSI T1.413 Issue 2 ITU G.992.1 (G.dmt) Annex A ITU G.992.2 (G.lite) Annex A ITU G.994.1 (G.hs)	ADSL2 Standards: ITU G.992.3 (G.dmt.bis) Annex A ITU G.992.4 (G.lite.bis) Annex A
		RE-ADSL2 Standards: ITU G.992.3 (G.dmt.bis) Annex L ITU G.992.4 (G.lite.bis) Annex L
		ADSL2+ Standards: ITU G.992.5 Annex A
Data Transfer Rate	G.992.5 (ADSL2+): downstream rate of 24 Mbps, and upstream rate of 1.2 Mbps	
External Interface	One RJ-11 ports for ADSL line connection One USB port for USB cable connection One RJ-45 port for 10/100 Base-T Ethernet connection	

Physical and Environmental Specifications	
Power Adapter	9 V AC 1A
Power Consumption	Max. 9W
Operating Temperature	0° C to 40° C (32°F to 104° F)
Humidity	5% to 95% (non-condensing)
Dimensions	135mm x 110mm x 28mm
Weight	180g



Note: During the storage, transportation and running of the equipment, waterproof measures should be taken.

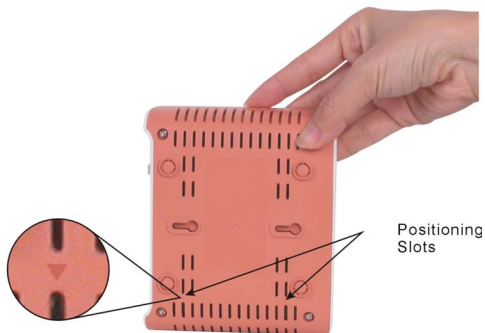
This product has been designed to comply with the requirements on environmental protection. For the proper storage, use and disposal of this product, national laws and regulations must be observed.

Appendix

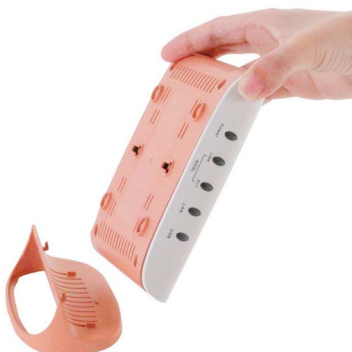
1 Assemble MT882 with the stand

MT882 enables horizontal and vertical positions as well as hanging on the wall. When in vertical position, the MT882 body should be assembled with the stand with the following steps.

Before the installation, you have to notice that there is an L-shaped chip on the stand.



Step 1 Find the arrow beside the positioning slots. Erect the body with the arrow pointing downwards.



Step 2 Align the L-shaped clips with the positioning slots.



Step 3 Push the body towards the stand.

Huawei Technologies Co., Ltd.

Administration Building, Huawei Technologies Co.,
Ltd., Bantian, Longgang District,
Shenzhen, P. R. China

Postal Code: 518129

Website: <http://terminal.huawei.com>

E-mail: support@huawei.com