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USB Driver Installation Guide

You need to install the USB driver on your PC before using the USB connection. The installation process of the USB driver varies on different systems. The following provides instructions for three systems: Linux, MAC OS 9/10, and Windows.

Installing the USB Driver in Linux

- 1) Start **RedHat 8.0**, and select **install all**.
- 2) Log in as **root**.
- 3) Execute the following commands:

```
# cd /usr/src
```

```
[root@ys src]# pwd
/usr/src
[root@ys src]# ls -l
total 8
lrwxrwxrwx 1 root root 15 Feb 20 2006 linux-2.4 -> linux-2.4.1
8-14
drwxr-xr-x 17 root root 4096 Feb 20 12:15 linux-2.4.18-14
drwxr-xr-x 7 root root 4096 Feb 20 2006 redhat
```

```
# ln -s linux-2.4.18-14 linux
```

```
[root@ys src]# ln -s linux-2.4.18-14 linux
[root@ys src]# ls -l
total 8
lrwxrwxrwx 1 root root 15 Feb 20 14:58 linux -> linux-2.4.18-14
lrwxrwxrwx 1 root root 15 Feb 20 2006 linux-2.4 -> linux-2.4.1
8-14
drwxr-xr-x 17 root root 4096 Feb 20 12:15 linux-2.4.18-14
drwxr-xr-x 7 root root 4096 Feb 20 2006 redhat
```

- 4) Copy the original codes to the /root/MT882 directory

```
[root@ys MT882]# pwd
/root/MT882
[root@ys MT882]# ls
inc makefile src
```

- 5) Execute the following commands:

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```
# cd /root/MT882
# make clean
# make all

[root@ys MT882]# pwd
/root/MT882
[root@ys MT882]# make clean
rm -f ./src/CDCEther.o ./src/CDCEther.o *.o .depend ./VKGEther
[root@ys MT882]# make all
gcc -c -O2 -Wall -Wno-missing-braces -Wstrict-prototypes -fomit-frame-pointer -
fno-strict-aliasing -pipe -fno-strength-reduce -mcpu=i486 -falign-loops=2 -falign
n-jumps=2 -falign-functions=2 -I/usr/src/linux/include -I./inc -D__KERNEL__ -DM
ODULE -Dlinux -DDBG=0 -o src/CDCEther.o src/CDCEther.c
ld -r -o ./VKGEther ./src/CDCEther.o
```

6) Add alias eth1 VKGEther to /etc/modules.conf.

```
# vi /etc/modules.conf

alias parport_lowlevel parport_pc
alias eth0 vmnics
alias scsi_hostadapter BusLogic
alias sound es1371
post-install sound-slot-0 /bin/aumix-minimal -f /etc/.aumixrc -L >/dev/null 2>&1
!! :
pre-remove sound-slot-0 /bin/aumix-minimal -f /etc/.aumixrc -S >/dev/null 2>&1 !
! :
alias usb-controller usb-uhci
alias eth1 VKGEther
```

7) Insert the following line to the beginning of /etc/modules.conf.

```
pre-install VKGEther modprobe -a ABC XYZ
```

Where, **ABC** is the first network driver and **XYZ** is the second network driver (if there is a second network card and driver).

8) Add ifcfg-eth1 file to /etc/sysconfig/network-scripts.

```
#/etc/sysconfig/network-scripts/ifcfg-eth1
```

Set IP to 192.168.1.3

```
DEVICE=eth1
BOOTPROTO=static
BROADCAST=192.168.1.255
IPADDR=192.168.1.3
NETMASK=255.255.255.0
NETWORK=192.168.1.0
ONBOOT=yes
```

9) Copy **VKGEther** to the /lib/...../drivers/usb directory.

For example, /lib/modules/2.4.x/kernel/drivers/usb.

10) Reboot Linux, and connect the USB cable to the ADSL modem.

11) Execute the following commands to configure the USB Network Interface Card:

```
#cd /root/MT882
#insmod ./VKGEther

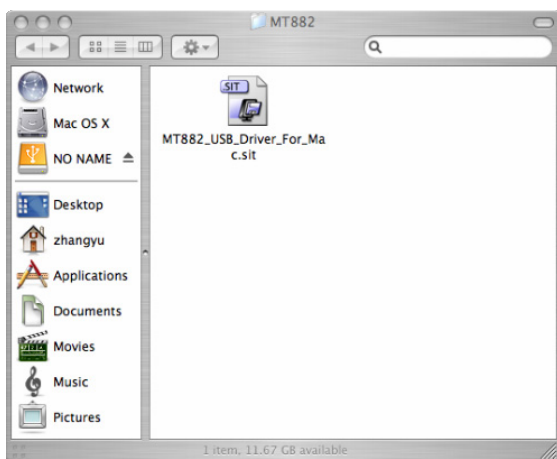
[root@ys MT882]# pwd
/root/MT882
[root@ys MT882]# ls
VKGEther  inc  makefile  src
[root@ys MT882]# insmod ./VKGEther

#ifconfig eth0 down
#ifconfig eth1 192.168.1.3 up
```

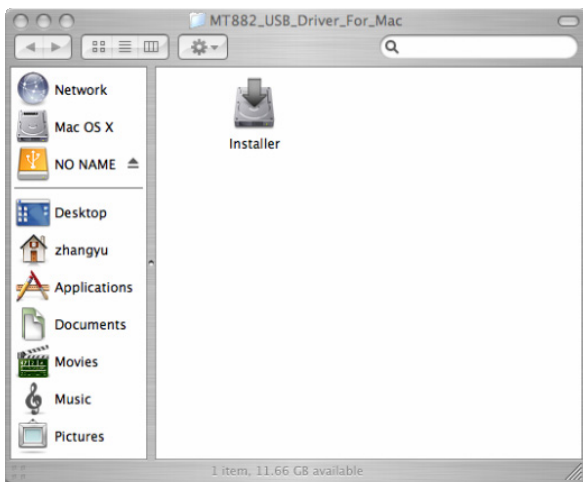
Installing the USB Driver in MAC OS X

To install the MT882 USB Driver on a MAC OS X system, do the following:

- 1) Run the MAC USB driver from the CD-ROM provided with MT882, and decompress it.



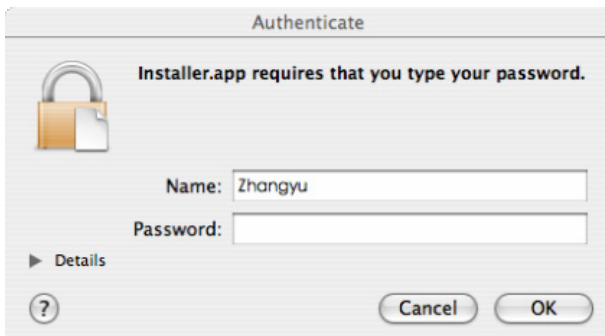
- 2) Double-click the Installer to start the installation.



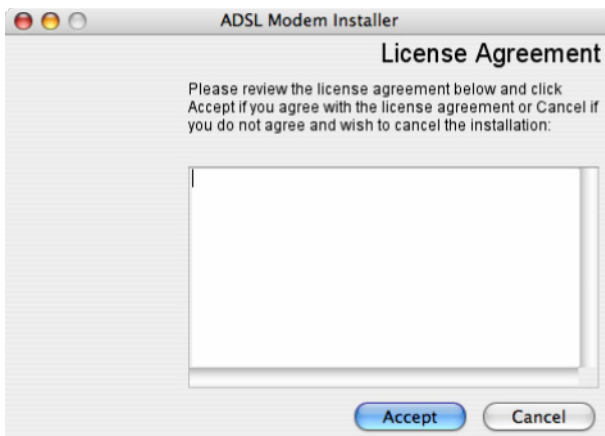
- 3) Click **Next** to display the **Authenticate** page.



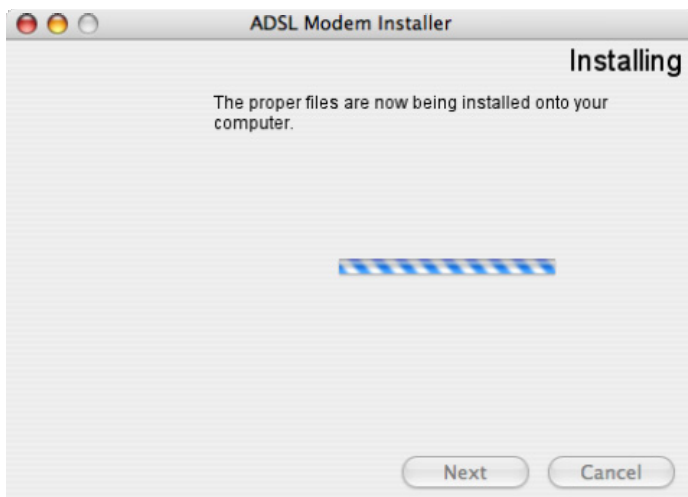
- 4) Enter the name and password of the administrator, and click **OK**.



5) Read the information carefully and click **Accept**.



6) Select a destination folder to install and click **Next**.

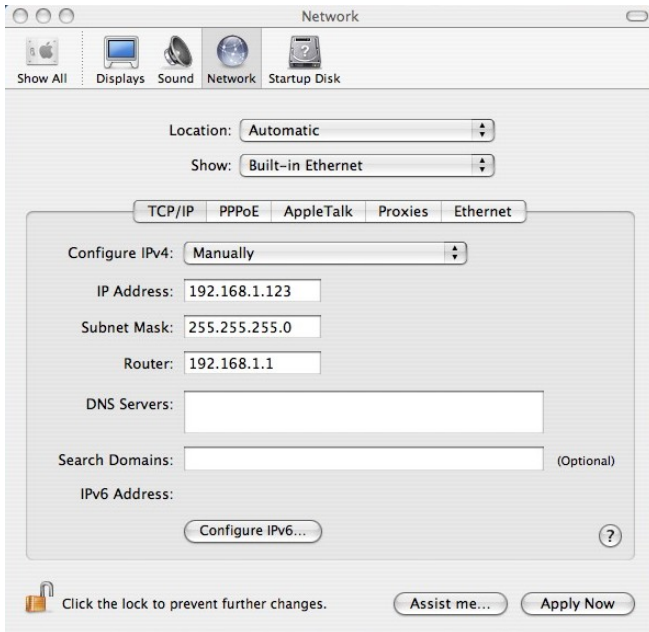


- 7) When the installation is complete, select **Restart now** and click **Finish** to restart your computer.

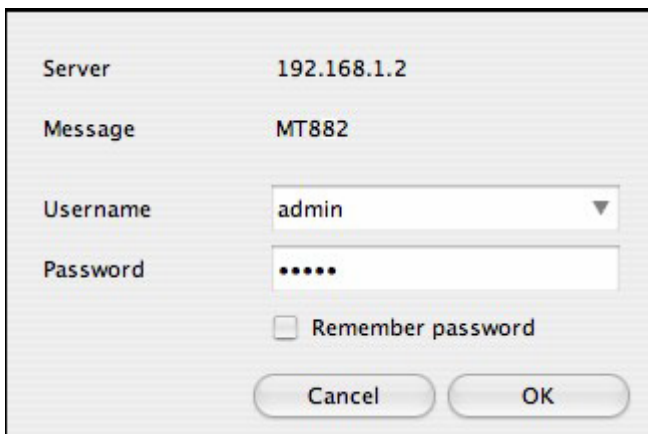


Then you need to configure the MAC network as follows:

- 1) On the menu bar, select **System Preferences > Network** to display the page as shown in the following figure.



- 2) Enter the values for these parameters and click **Apply Now**.
- 3) Launch your Web Browser and access <http://192.168.1.2> to display the **Login** page.




A login dialog box with a light gray background and a black border. It contains the following fields and controls:

- Server:** 192.168.1.2
- Message:** MT882
- Username:** A dropdown menu with "admin" selected and a downward arrow on the right.
- Password:** A text field with six dots (••••••) indicating a masked password.
- Remember password:** An unchecked checkbox followed by the text "Remember password".
- Buttons:** Two rounded buttons at the bottom: "Cancel" on the left and "OK" on the right.

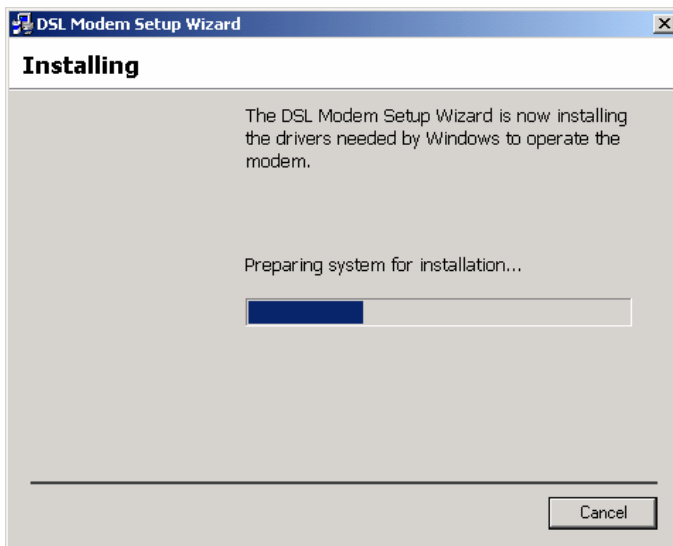
- 4) Enter the username and password, and click **OK** to log in to the Web GUI of MAC OS.

Installing the USB Driver in Windows XP/2K/ME/98SE

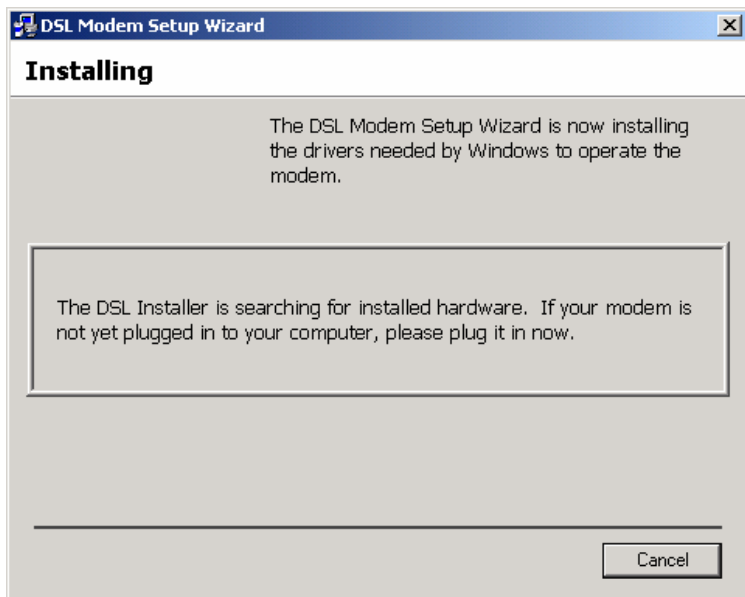
To install the USB driver on a Windows system, do the following:

 **Note:** Before installation, please do not connect the modem.

- 1) Double-click **Setup.exe** on the CD-ROM provided with MT882 to display the **Setup Wizard** window.



- 2) Connect the modem and power it on.
Then the Installer will search the USB device for installation.



- 3) The system will automatically finish the installation of Huawei USB ADSL modem.

