



MANUAL

EM4080 - Network USB Hub

WWW.EMINENT-ONLINE.COM

EM4080 - Network USB Hub



Warnings and points of attention

Repairing of the product should be done by qualified Eminent staff!

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1.0 Introduction

Congratulations with the purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by a five-year Eminent warranty. Please keep this manual and the receipt in a safe place.

Register your product now on www.eminent-online.com and receive product updates!

1.1 Functions and features

Using the EM4080 Network USB Hub you can easily share USB devices like USB memory sticks and USB hard disk through your network. Do you want to share your printer? Then connect your USB printer to one of the EM4080's USB ports in order to use your USB printer as a network printer! The Network USB Hub is suitable for almost every USB 1.1 device: USB memory sticks, external hard disks, USB 1.1 digital cameras, printers and many more devices! Also, many of the USB 2.0 do work flawlessly using the EM4080 USB Network Hub.

1.2 Packaging contents

The following parts need to be present:

- EM4080, Network USB Hub
- DC Power supply
- Network cable
- CD-ROM with software
- User manual

2.0 Installation procedure

2.1 Connecting the EM4080

1. Connect the supplied network cable to the LAN port at the back of the EM4080.
2. Connect the other side of the network cable to your network. This can be done by connecting the network cable directly to your modem or router, or by using a switch or a xLINE adapter.
3. Connect the power supply to a wall outlet, and then connect the plug into the round connection at the back of the EM4080. The 'Power' LED and LAN LED will be lit.

2.2 Installing the supplied software

1. Insert the supplied CD-ROM into your CD-ROM player or DVD player.
2. The wizard will start automatically.
3. Choose 'English' and click 'Next'.
4. Select 'Install EM4080 Utility' and click 'Next'.
5. Click 'Run' to start the install.
6. Click 'Finish' to close the software installation.
7. At the end of the installation, you will be asked to restart the computer. Click 'Yes' to restart the computer. You can also restart the computer manually by using the 'Start' button and then choose 'Restart'.

2.3 Using the supplied software

1. Click 'Start'.
2. Click 'Programs' or 'All programs'
3. Click 'EM4080 USB Server'.
4. Click 'EM4080 USB Server'.
5. Possibly your firewall/Antivirus program of Windows itself can give a security warning. Choose 'Unblock'. You will see the following screen:

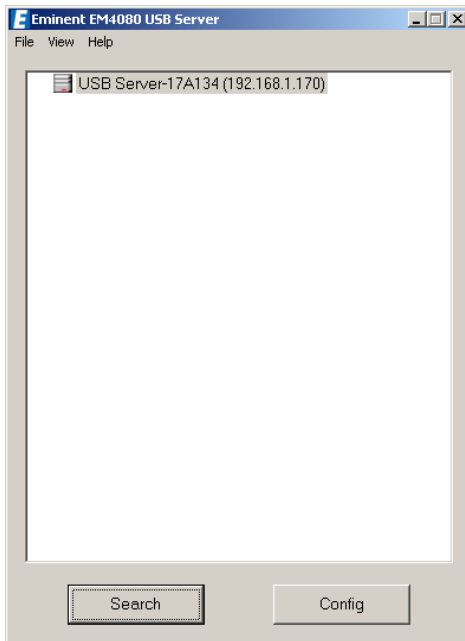


Figure A.

6. Select the USB server and click 'Config'. The webpage of the EM4080 will be opened. You can also open the webpage manually by using the IP-Address. Open a web browser on your computer and fill in the IP-Address shown behind the text: 'USB server' in the address bar and then press 'Enter'.

3.0 Setup the EM4080's webpage

Using the instructions in the previous chapter, you are now logged in to the webpage of the EM4080.

3.1 'Device Status' page

This is the default page which will be opened and shows general information about the EM4080. Also, you will see the names of the connected devices.

3.2 'Network' page

This page shows the current network settings. These settings can also be altered if desired. By default, the EM4080 receives an IP-Address automatically from a modem or router ('Automatic DHCP').

In some cases, it is useful to set a fixed IP-Address. Make sure you know in what IP-range your network operates. This can be acquired by requesting the network status on your computer. For example: Your computer has IP-Address '192.168.1.5'. It means the range of your network is '192.168.1.x'.

Besides knowing the IP-range, you need to choose an IP-Address which is not in use already. Therefore, check whether the chosen IP-Address is not already in use.

1. Select the 'Disable' option at 'DHCP Setting'.
2. Fill in the desired IP-Address at the 'IP Address' fields.
3. Fill in the subnet mask used by your network at the 'Subnet Mask' fields. The preset '255.255.255.0' subnet is a common range.
4. Eventual, change the 'Server Name'. This name will be found when using the software as described at chapter 2.
5. To prevent third parties altering the settings, a password must be filled in. This is the same password which has been set at the 'Password Change' page. By default, the EM4080 has no password.
6. Click 'Submit' to save the settings. A new page will be loaded showing the text 'success' or 'failed'.

3.3 'Restart Device' page

Using this page, the EM4080 can be restarted. This can be necessary when the communication with one the devices is not correct anymore.

If a password has been set in the past, this password needs to be filled in before you can perform a restart. Click 'Submit' to perform the restart. After about ten seconds the device will be available again.

3.4 'Factory Default' page

On this page, the device can be reset to factory settings. This can be necessary if a problem in the correct settings has occurred, and this problem can not be solved.

If a password has been set in the past, this password needs to be filled in, in order to perform a reset. Click 'Submit' to reload the factory settings. After about ten seconds the device will be available again.

3.5 'Firmware update' page

On this page, you can upgrade the firmware (software) of the EM4080.
Check www.eminent-online.com whether there is an update available.

If a password has been set in the past, this password need to be filled in, in order to perform a firmware update.

Only use the following steps when using a wired network connection. Interrupting this procedure can lead to severe damage to the device.

1. Download the ZIP file to the Windows desktop.
2. Extract the ZIP file. Click the file using the right mouse button, and choose 'Extract here'. Follow the wizard and follow possible instructions shown on screen.
3. Then, refresh or re-open this page again and fill in the password at the 'Password' field (If a password has been set).
4. Click the 'Browse' button and browse to the location where the firmware has been extracted to. Select the firmware.
5. Click 'Submit', after which the firmware will be loaded.
6. Wait until the 'Device Status' page appears again. This will be done automatically.

The firmware update has been performed completely now. Using chapter 3.4, you can reset the device to factory settings.

3.6 'Password Change' page

In order to secure the EM4080's webpage, you can set a password, or change the current password.

1. Fill in your current password at the 'Current Password' field. By default, there is no password, so you can leave this field empty.
2. Fill in the new password at the 'New Password' field.
3. Conform the new password at the 'Confirm New Password' field. This password needs to be exactly the same as the password you filled in at the 'New Password' field.
4. Click 'Submit' to save the settings.
5. After about ten seconds the EM4080 will be available again.

4.0 Connecting a device

You can connect several devices to the EM4080 Network Hub. Do note that only one person can be connected to a device via your network, except when printing a page to a connected printer.

4.1 Connecting a USB device

1. Connect the USB device to one of the EM4080's USB ports.
2. Click 'Start'.
3. Click 'Programs/All programs'.
4. Click 'EM4080 USB Server'.
5. Click 'EM4080 USB Server'.
6. Possibly your firewall/Antivirus program of Windows itself can give a security warning. Choose 'Unblock'.
7. You will see the USB server with the names of the devices which are connected to the USB server.
8. USB devices shown with a green icon are available for usage. If the device has a orange or red icon, then this device is already in use with your own computer, or another computer in the network.

Hint: We advise to connect your USB printer using the steps in chapter 4.3 and 4.4. This way, it is easy to automatically share your printer without having to use the 'Connect' or 'Disconnect' button of the USB server software.

9. Click the USB device you want to use.
10. Click the 'Connect' button at the right side to make a connection.
11. If the USB device has never been connected before, Windows will find new hardware and eventually will install the drivers.
12. You can now make use of the USB device in the same manner when connected to your computer.

4.2 Disconnect the USB device

As long as your computer has a connection with a USB device, other people can not make use of this USB device. Therefore, it could be wise to disconnect the device the moment you do not make use of this device anymore.

1. Click 'Start'.
2. Click 'Programs/All programs'.
3. Click 'EM4080 USB Server'.
4. Click 'EM4080 USB server'.
5. You will see the USB server with the names of the devices which are connected to the USB server.
6. Choose the device you want to disconnect.

7. Click the 'Disconnect' button at the right side to disconnect the selected device.

4.3 Connecting and installing a printer to the USB server

Every connected computer to your network can print to a connected printer on the USB server without using the software.

Make sure you have installed the printer drivers on the computer(s).

1. Connect the printer's USB cable to a USB port of the USB server.
2. Turn on the printer.
3. Double-click the 'Network Printer Wizard' icon located on the desktop.
4. The opening screen of the 'Network Printer Wizard' will appear. Click 'Next' to continue.
5. A list of available network printers will appear on your screen. Select the printer you want to use and click 'Next'.
6. A list with brands and types of printers appears. Select the desired printer in order to install the correct printer drivers.
7. Click 'Finish' to finish the installation. The drivers will now be installed and the screen will be closed within a few minutes.

4.4 Printing using the USB server

If the printer is connected, you can start printing, no matter what program you are using. The printer will be controlled automatically without the need of clicking the 'Connect' button in the EM4080 USB server software.

5.0 Frequently asked questions

- Q: Which USB devices do work with the EM4080 USB server, and which do not work?*
- A: There is a fast amount of available USB devices. Therefore, it is not possible to test all USB devices. Examples of USB devices which usually do work are USB 1.1 devices such as: USB memory sticks, USB card readers, USB hard disk enclosures, USB printers, USB Web cameras, USB to parallel/serial converters, USB LAN and wireless adapters, USB scanners and USB mice. Some USB (2.0) devices may not work. Examples of not working USB devices: USB 2.0 Video grabbers, USB 2.0 Web cameras and USB Bluetooth devices. You can find a compatibility list on the Eminent website (www.eminent-online.com) with known working and none working devices.
- Q: In the manual, the IP-range is mentioned. How can I see the IP-Address of my computer?*
- A: Steps for Windows XP, Vista and Windows 7:
1. Click 'Start'.

2. Go to 'run' or 'search programs and files'.
3. Type: 'cmd'.
4. Press the 'Enter' or click 'OK'.
5. Fill in: 'ipconfig'.
6. Press the 'Enter' key again.
7. You will now see the IP-Address. This is your network adapter's IP-Address.

Q: I'm unable to scan a page using my All-in-one printer?

A1: Check if you can scan using Windows Paint, via File, then choose From Scanner or Camera. If this is working, the communication with your scanner is Ok.

A2: Remove the current driver and software installation of your All-in-One printer. Download the latest driver and software of your All-in-one printer. Connect the All-in-one printer only to the EM4080 Network Hub and install the device using the new driver and software. Connect to your All-in-one printer using the EM4080 search utility when the software requests for the All-in-one printer. The hardware is installed again with a connection via your network.

6.0 Service and support

This users manual has been carefully written by Eminent's technical experts.

If you have problems installing or using the product, please fill out the support form at the website www.eminent-online.com/support.

7.0 Warranty conditions

The five-year Eminent warranty applies to all Eminent products unless mentioned otherwise before or during the moment of purchase. When having bought a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's first owner. The Eminent warranty applies to all Eminent products and parts inextricably connected to and/or mounted on the main product. Power supply adapters, batteries, antennas and all other products not integrated in or directly connected to the main product and/or products of which, without reasonable doubt, can be assumed that wear and tear show a different pattern than the main product are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when subjected to incorrect/improper use, external influences and/or when opened by parties other than Eminent.

8.0 Declaration of Conformity

To ensure your safety and compliance of the product with the directives and laws created by the European Commission you can obtain a copy of the Declaration of Conformity concerning your product by sending an e-mail message to: info@eminent-online.com. You can also send a letter to:

Eminent Computer Supplies
P.O. Box 276
6160 AG Geleen
The Netherlands

Clearly state 'Declaration of Conformity' and the article code of the product of which you would like to obtain a copy of the Declaration of Conformity.



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