FAQ for Quick Wireless Connection/EMP NSConnection

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Scope

This FAQ is for Quick Wireless Connection and EMP NS Connection used on EB-1725/1735W, PowerLite 1725/1735W.

Quick Wireless Connection

FAQ for General User

Category : Operation environment

Q: Do we have to purchase an optional accessory **Wireless LAN Unit** for the projector?

A: No, you don't have to purchase an optional accessory **Wireless LAN Unit**. The projector comes already equipped with Wireless LAN unit as standard equipment.

Q: Do we have to purchase an optional accessory Quick Wireless USB key?

A: No, EB-1725/1735W for the other countries except for Japan market doesn't require you to purchase the optional accessory Quick Wireless USB key. The projector comes already equipped with Quick Wireless USB key as standard equipment.

Q: Does Quick Wireless Connection support any OS?

A: Quick Wireless Connection supports the following OS.

Windows 2000 SP4/XP/XP SP1/XP SP2/XP SP3/Vista/Vista SP1 (32-bit version)

Q: How much of PC performance does Quick Wireless Connection require?

A: Quick Wireless Connection requires following PC performance.

To use Quick Wireless Connection comfortably, we recommend you use PC whose performance is higher than the following requirement.

    CPU: Windows: At least Mobile Pentium III 1.2GHz
                    (Recommended: At least Pentium M1.6GHz)
    Memory: At least 256MB
                    (Recommended: At least 512MB)
    Available hard disk space: At least 20MB
    Display: Minimum: XGA (1024 x 768) or higher resolution
                    16-bit color or higher

Q: What is Quick Wireless Connection?
A: Simply inserting Quick Wireless USB key into Windows PC supporting wireless LAN makes it possible to set up wireless LAN connection automatically between PC and a projector, and project images easily via the wireless LAN connection.
(Note: Firstly you need to store projector information in Quick Wireless USB key. To do that, first, please insert the USB key into a projector. Then remove it from the projector and insert it into PC.

Q: What is Quick Wireless USB key?
A: It is a device that makes it possible to set up wireless LAN connection automatically between PC and a projector and project PC images over wireless LAN connection.

Q: Is wireless LAN function built in Quick Wireless USB key?
A: Wireless LAN function is not built in Quick Wireless USB key. When you would like to use Quick Wireless Connection via wireless LAN connection, you need wireless LAN adapter for your PC.

Q: Can we use Quick Wireless Connection without Quick Wireless USB key for exclusive use?
A: No. To use Quick Wireless Connection, you need Quick Wireless USB key for exclusive use.

Q: Do I need to insert a special wireless LAN card exclusively for Quick Wireless Connection into PC?
A: No. Quick Wireless Connection supports wireless LAN cards and built-in wireless LAN adapters you usually use.

Q: Let me know wireless LAN card for PC you recommend.
A: There are no recommended wireless LAN cards. We conducted compatibility test between wireless LAN card / notebook PC with a built-in wireless LAN and projectors. For the test results, please check it on EPSON web site or contact help desk.

Q: Can I use Quick Wireless Connection with PC having no a built-in wireless LAN function via wireless LAN?

A: No. To use Quick Wireless Connection via wireless LAN, you need to use PC with a built-in wireless LAN function.

If wireless LAN function is not built in your PC, you need an external wireless LAN adapter.

Q: Can I use Quick Wireless Connection over wired LAN?

A: Yes. You can use Quick Wireless Connection over wired LAN.

To do that, you need an optional accessory Wired LAN Unit. And you need to set up network connection by yourself.

Category: Operation

Q: Please let me know how to use Quick Wireless Connection?

A: The procedure of Quick Wireless Connection is as follows.

(1) First insert Quick Wireless USB key into a projector to store network information of the projector in the USB key.

(2) Secondly, remove the Quick Wireless USB key from the projector and insert the USB key into the PC in order that network information of the projector is installed in the PC automatically. Then the PC is connected to the projector automatically and the PC images are projected.

Q: Can more than one user use the same Quick Wireless USB key?

A: Yes, it's possible.

The same Quick Wireless USB key can be shared by more than one user.

However they cannot project images at the same time because they need to insert the Quick Wireless USB key into PC alternately.

Q: Can I transmit audio data from PC to a projector via network?

A: No, you cannot.

Please output audio from PC or connect an external speaker to PC and output audio from PC via the external speaker.

Q: Can I use Quick Wireless Connection without administrator authority of PC?

A: Yes, you can. However when installing Quick Wireless Connection software in PC, you need to be a member of the Administrators group.

If you don't know about administrator authority, use "Check tool for network projector" to confirm it.

Category: Network

Q: Can I use Quick Wireless Connection via infrastructure connection?

A: You can use Quick Wireless Connection via adhoc and infrastructure connections. However to use Quick Wireless Connection via infrastructure connection, you need to set up wireless connection by yourself.

FAQ for Administrators

Category: Operation environment

Q: Can I use wireless LAN card that my company recommends?

A: Please use "Check tool for network projector" to check whether Quick Wireless Connection can work with the wireless LAN card your company recommends. Also please check whether the LAN card is included in the list of wireless LAN cards that Epson evaluated.

Q: To use Quick Wireless Connection, do I have to install the software in the PC?

A: Yes, the software needs to be installed in the PC.（However it is installed automatically.）

When inserting Quick Wireless USB key into PC, the software is installed in PC automatically.

Category: Operation

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Category: Network

Q: Let me know the port that Quick Wireless Connection uses.

A: The ports used by Quick Wireless Connection are 3620 and 3621 for both UDP and TCP.

Q: How much bandwidth does Quick Wireless Connection use?
A: Occupied communication bandwidth varies depending on projected image. From our measurement results, wireless LAN connection in adhoc mode uses communication bandwidth of max. 7.6Mbps. Wired LAN connection uses communication bandwidth of max. 17Mbps.

To decrease bandwidth for use, please start a computer then click Start > EPSON Projector > Quick Wireless > Quick Wireless Connection Vx.x Settings. Then select Adjust performance tab and slide the performance adjustment slider to Fast.

Q: Does Quick Wireless Connection have security function?
A: Yes. Please start a computer then click EPSON Projector > Quick Wireless > Quick Wireless Connection Vx.x Settings. You can set to encode and transmit data in the General setting tab window to avoid interception. This security function encrypts image data by using AES and the encrypted data is transmitted to a projector. The projector receives and decodes the encrypted data.

Q: Can I use Quick Wireless Connection when firewall is active?
A: Please add the ports used by Quick Wireless Connection to firewall. The ports used by Quick Wireless Connection are 3620 and 3621 for both UDP and TCP.

Q: Does Quick Wireless conform to standard IEEE 802.11a?
A: Yes, it does.
Wireless LAN standards that EB-1725/1735W support are as follows:
  IEEE 802.11b/g
  IEEE 802.11a (W52/W53)
You can switch between 802.11a and 802.11b/g in setting menu of the projector.

Q: Let me know the full path to the application that needs to be added to firewall exceptions list.
A: The full path to the application EMP_QW.exe is as follows. Please add the file EMP_QW.exe to the firewall exceptions list.
(System Drive):/Program Files/EPSON Projector/EMP Quick Wireless V2¥EMP_QW.exe
  (System Drive is usually C:/)

EMP NS Connection

FAQ for General User

Category: Operation Environment

Q: Do we have to purchase an optional accessory Wireless LAN Unit for the projector?

A: No, you don't have to purchase an optional accessory Wireless LAN Unit for EB-1725/1735W.

Q: Does EMP NSConnection support any OS?

A: EMP NSConnection V.2.50 supports the following OS.

Windows 2000 SP4/XP/XP SP1/XP SP2/XP SP3/Vista/Vista SP1

Minimum: Mac OS X 10.3

Recommended: Mac OS 10.3.9/10.4.11/10.5.1 and later version

Q: How much PC's performance does EMP NSConnection require?

A: Quick Wireless requires following PC performance.

To use Quick Wireless comfortably, it is recommended to use PC whose performance is higher than the following requirement.

   At least Mobile Pentium III 1.2GHz

   At least Power PC G3 900MHz

     Recommended: At least Pentium M 1.6GHz

         At least CoreDuo 1.5GHz

   Memory: At least 256MB (Recommended: At least 512MB)

   Available hard disk space: At least 20MB

   Display: Minimum: XGA(1024˄768) or higher resolution

        16-bit color or higher

Q: Can I use EMP NSConnection via wired LAN?

A: Yes, you can use EMP NSConnection via wired LAN.

However if you use EPSON projectors without wired LAN port, you need an optional accessory Wired LAN adapter.

Q: Please let me now necessary devices to use EMP NSConnection via wireless connection.
A: The below equipments are necessary.
Quick Connection Mode:
　-PC (including OS that EMP NS Connection supports) with a built-in wireless
　　LAN or with external wireless LAN adapter
　- Projector including EasyMP function

Advanced Connection Mode：
　-PC (including OS that EMP NS Connection supports) with a built-in wireless
　 LAN or with external wireless LAN adapter
　- Projector including EasyMP function
　- Access Point

Q: Does EMP NSConnection require me to install special wireless LAN card exclusively
for EMP NSConnection?
A: No, you don't.
EMP NSConnection supports wireless LAN card and a built-in wireless LAN adapter you
usually use.

Q: Can I use EMP NSConnection with PC having no wireless LAN function ?
A: No, to use EMP NSConnection, you need to use PC with a built-in wireless LAN function.
If wireless LAN function is not built in your PC,　you need an external wireless LAN
adapter.

Q: Let me know wireless LAN card for PC you recommend.
A: There are no recommended wireless LAN cards. We conducted compatibility test between
wireless LAN card / notebook PC with a built-in wireless LAN and projectors. For the
test results, please check it on EPSON web site or contact help desk.

Category: Operation

Q: Can I make a presentation without RGB cable?
A: Yes, you can.
You can connect a projector to PC via wireless LAN connection and project the PC images.

So you can make a presentation without RGB cable by using wireless LAN connection.

Q: Can I use EMP NSConnection without administrator authority of PC?
A: Yes, you can. However when installing EMP NSConnection software in PC, you need to be a member of the Administrators group the administrator authority.

Q: When using EMP NSConnection via wireless connection, doesn't EMP NS Connection drop off a network?
A: Yes, it might happen depending on customer's environment. EMP NS Connection might drop off a network when there are many devices using wireless connection around the projector. In such case, if you change signal channel or switch wireless LAN standard from 802.11b/g to 802.11a, the network connection might be improved.

Q: When I want to project images using Quick Connection Mode, is it possible to project images without wireless LAN configuration?
A: Yes, you can.
However, if you have installed anti-virus software other than windows firewall in your PC, please add the EMP NSConnection software to the anti-virus software's firewall exceptions list in order to use EMP NS Connection.

Q: Can EMP NSConnection project movie file?
A: Yes, it can.
There are two methods to project movie file. One is that PC plays back the movie file. The other method is that a PC transmits movie file directly to a projector and the projector plays back the movie file.
In case that PC plays back movie file, the projector cannot project the movie file that is played back by some video players using DirextX.

Q: Can I transmit audio from PC to a projector over network?
A: No, you cannot.
Audio on PC cannot be output from projectors.
When using movie sending mode, movie and audio can be played back via projector.

Q: Let me know file type that Movie Sending Mode supports.

A: Movie Sending Mode supports the following file.

.mpg [Movie Codec(MPEG2), Audio Codec (MPEG1 Layer1/2 Linear PCM and AC3 cannot be played back. MPEG contents with no sound can be played back.)]

.wmv/.asf [Movie Codec (WMV8,WMV9) Audio Codec (WMA)]

Q: What is Multi-screen display function?

A: Multi-screen display mode allows you to project different images from multiple projectors that are connected to a single computer by setting multiple display drivers in the computer. However, this function is not available with Windows Vista

Category: Network
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FAQ for Administrators
Category: Operation Environment

Q: Can I use wireless LAN card that my company recommends?

A: Please use "Check tool for network projector" to check whether Quick Wireless can work with the wireless LAN card your company recommends. Also check whether the LAN card is included in the list for wireless LAN card evaluated by Epson.

Q: Does NSConnection conform to standard IEEE 802.11a?

A: Yes, it does.

Wireless LAN standards that EB-1725/1735W support are as follows:

  IEEE 802.11b/g

  IEEE 802.11a (W52/W53)

Category: Operation
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Category: Network

Q: Let me know the ports that EMP NSConnection uses.
A: Please add the ports used by EMP NSConnection to firewall. The ports used by EMP NSConnection are 3620, 3621 and 3629 for both UDP and TCP.
Movie sending mode uses 50020 for TCP. Therefore if you would like to use Movie sending mode, please add the port 50020 to firewall.

Q: How much bandwidth does EMP NS Connection use?
A: Occupied communication bandwidth varies depending on projected image. From our measurement results (without Multi-Screen Display), wireless LAN connection in adhoc mode uses communication bandwidth of max. 7.6Mbps. Wired LAN connection uses communication bandwidth of max 17Mbps.

To decrease occupied bandwidth, start NS connection and click "Set options" on the EMP NS Connection main screen. Then select Adjust performance tab, and slide the performance adjustment slider to Fast.

Q: Can I use Quick Connection Mode with security function?
A: To avoid interception, image data transmitted from PC to a projector is encrypted by AEC. When the projector receives the data, it decodes it.

Q: Can I use EMP NS Connection when firewall is active?
A: Please add the ports used by EMP NS Connection to firewall. EMP NSConnection uses 3620, 3621 and 3629 for both UDP and TCP.
Movie sending mode uses 50020 for TCP.

Q: Let me know the full path to the application that needs to be added to firewall exceptions list.
A: You need to add the following 3 exe files to the firewall exceptions list. The full paths to those applications (exe files) are as follows.
(System Drive):¥Program Files¥EPSON Projector¥EMP NS Connection V2¥EMP_NSC.exe
(System Drive):¥Program Files¥EPSON Projector¥EMP NS Connection V2¥vlc086¥vlc.exe
(System Drive):¥Program Files¥EPSON Projector¥EMP NS Connection V2¥vlc084¥vlc.exe
 (System Drive is usually C:¥)

Q: Can I connect PC to a projector which is on a different network segment and project the PC images?

A: Yes, you can. Advanced Connection Mode allows you to connect PC to a projector on a different network segment and to project the PC images.

On the other hand, Quick Connection Mode does not allow you to connect PC to a projector on a different network segment.

Q: Does EMP NS Connection have security function to protect transmitted data?

A: Yes, by selecting Encrypt Communication in EMP NS Connection setting menu, transmitted data is protected. EMP NS Connection encrypts data with AES and transmits it from PC to a projector. When the projector receives the data, the projector decodes it.

Also if you use a projector in Advanced Connection Mode, you can enhance security further by using access point and setting up its security function.