EPSON PRODUCT SUPPORT BULLETIN

Date:	05/10/2010	**Originator:**	esc
PSB #:	PSB.2010.06.002	**Authorization:**	
Reference:	TI08-45e Rev. A	**Total Pages:**	2
Product(s):	PowerLite 835p and PowerLite 1815p		
Subject:	Connection Issue Using Quick Wireless Connection Mode		

This bulletin was created to inform you of an issue and solution when the projector cannot be detected with NS Connection using Quick Wireless Connection.

Description of Issue:

When IP addresses of both wired and wireless LAN ports of the projector are on the same network segment, the projector cannot be detected or connect using Quick Wireless Connection mode of NS Connection.

Reason:

Solutions:
- Set the IP addresses of both wired and wireless LAN ports on different network segments.

- In the case that the IP address is not assigned to the projector's Wired LAN port by DHCP server, set the DHCP to OFF and set up the IP address for other network segment other than 169.254.xxx.xxx/255.255.255.) for the projector's wired LAN port.

EPSON PRODUCT SUPPORT BULLETIN

Date:	06/10/2009	**Originator:**	DS
TIB #:	PSB.2009.06.002	**Authorization:**	*Kps*
Reference:	TI 09-08j Rev. A	**Total Pages:**	8
Product(s):	PowerLite 735c / 737c / 745c /755c/ 765c / 835p /1705/1715/1815/1825/7850p / 8300 with EasyMP.net option, Pro G5150/G5350 / 1725 / 1735W / 85 / 825 / 826W		
Subject:	Release of EMP NS Connection for Windows & Mac Upgrade from v2.50 to v2.51		

This bulletin was created to inform you of the release of the new version 2.51 of the EMP NS Connection software.
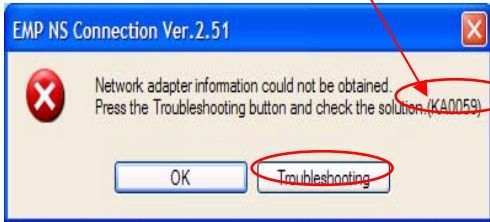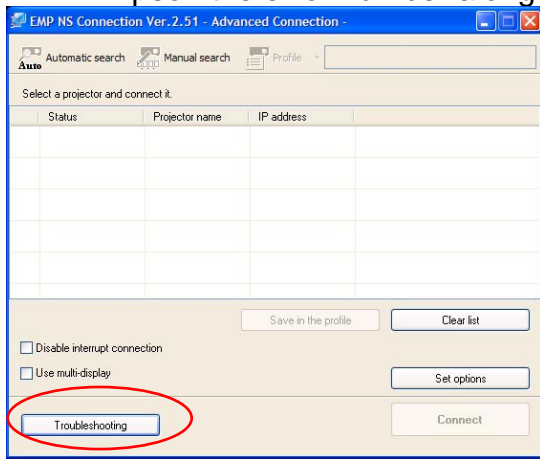
Description of Change:
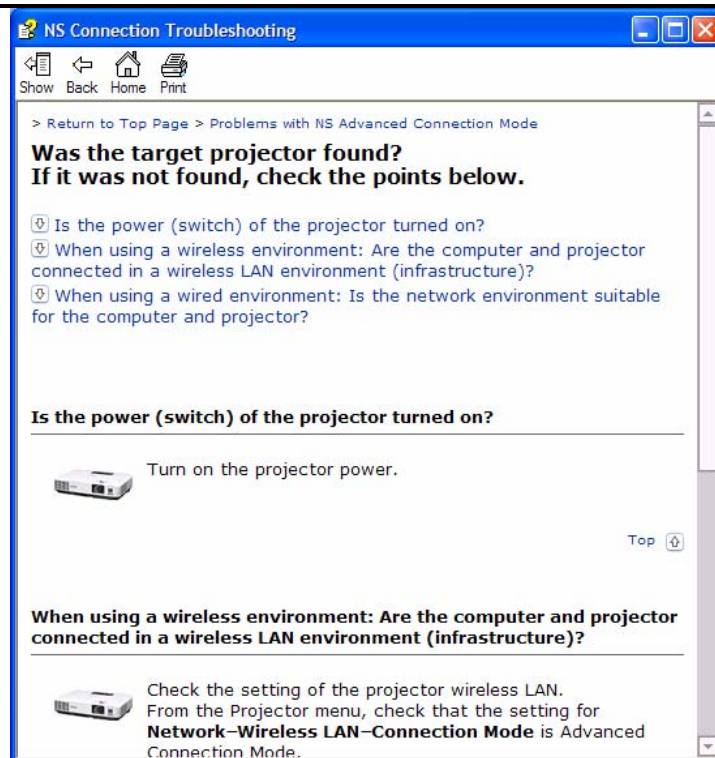Improvements have been made to the EMP NS Connection utility.

Reason:
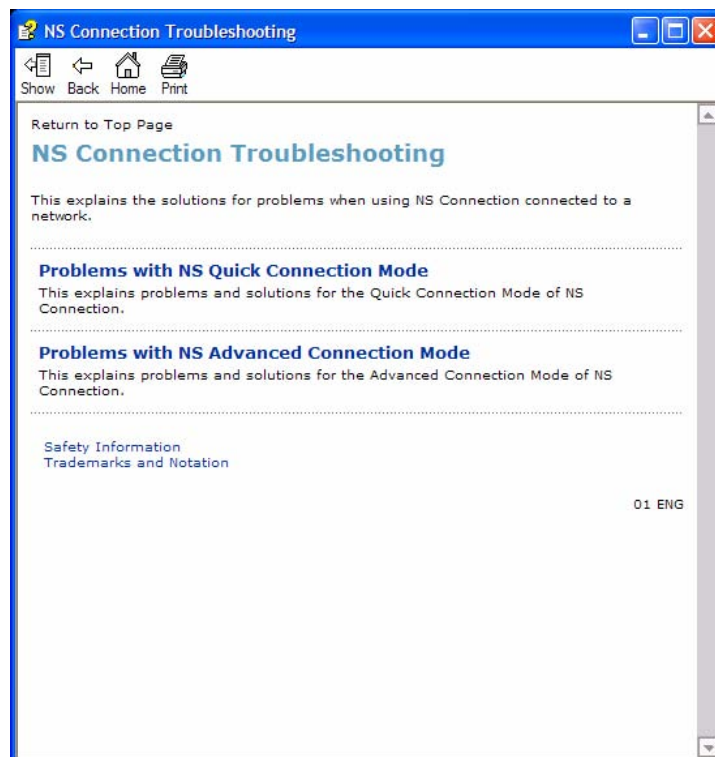The improvements to NS Connection V2.51 are as follows

Improvements （**V2.50** (V2.51

Improvements	■ Addition of 10 new languages: Arabic, Ukrainian, Romanian, Indonesian, Croat, Slovak, Bulgarian, Malay, Vietnamese and Hebrew. ■ Addition of troubleshooting function (Windows Only) When pressing the troubleshooting button, the corresponding troubleshooting and error number is displayed in the error message window. • When experiencing problems with NS Connect, please report to Epson the error number along with the failure information.

Also you can access troubleshooting by clicking **Start → All programs → EPSON Projector→EMP NS Connection→EMP NS Connection V2.51 Troubleshooting.**

■ Fixed error message displayed by the NVIDIA utility

Failure Symptom
When starting Quick Wireless/USB Display/NS Connection on a PC with the built-in NVIDIA graphics chip (ex.ThinkPadT61 NVIDIA Quadro NVS 140M/NVIDIA Quadro FX 570M Display Driver), the NVIDIA utility displays consecutive error messages. As a result, some PCs will experience a lock-up.

Countermeasure
Hardware acceleration level is set to 3 when Quick Wireless/USB Display/NS Connection are being used.

Limitation
By setting hardware acceleration level to "3", the mouse cursor flickers more visibly than the setting of "None". This symptom can be avoided by unchecking the box for **Transfer Layered Window** on the Adjustment performance tab in the **Set Options** window of NS Connection.
Note: When NS connection is being used, and the hardware acceleration setting is changed manually, at next startup, NS connection starts with the same setting level of hardware acceleration.

Limitation	**<u>All Operating Systems</u>**
	• When using EAP type of security that consumes a lot of CPU resources, projectors may disconnect from NS connection. The solution is to click Set Options of NS Connection and set Adjust Performance to Fast.
	• It takes more time for the PowerLite 1725 / 1735W / 1825 / Pro G5150 / Pro G5350 projectors to disconnect from NS connection as compared to the PowerLite 1705 / 1715 / 1815 projectors, due to the limitation of the new OS (WindowsCE) on IM-X4 projectors.
	• To avoid conflicts between the Quick Wireless and other makers' utilities, when the Quick Wireless starts, this version stops services of the other utilities listed in the attached file (Exhibit 1). When quitting Quick Wireless, the other utilities resume their services.
	• In the network environment using IEEE 802.11 b/g standards, the wireless connection may drop under the following conditions. Due to specification of wireless controllers, some wireless controllers don't send their beacon periodically. Even if a projector is connected to a PC via wireless, if the projector doesn't detect the beacon for 11b signal for a certain period (30 – 60 seconds) from the PC , the projector judges that there isn't any PC using the11b signal in the network and switches to communication with11g (default) signal. On the other hand the PC still tries to communicate with 11b. As a result, the wireless connection between the projector and the PC drops.
	<u>Solutions to this problem:</u>
	a. Establish a wireless communication between the PC and projector via 802.11a signal.
	<u>Windows OS</u>
	• **Due to a limitation of the module VLC for the Movie Sending mode of the IM-X4 version projectors, when IM-X4 projectors display MPEG2 and WMV images in Movie Sending mode via NSC V2.40, fast-forward and rewind functions cannot be used. When IM-X3 projectors display MPEG2 via NSC V2.40, fast-forward and rewind functions can be used.**
	<u>Windows Vista OS</u>
	• Multi screen display function cannot be used
	• Virtual display driver cannot be installed in PC.
	• When UAC (User Account Controls) screen is being displayed, the projected image pauses.
	• The Motion picture of Windows photo gallery cannot be projected in full-screen mode.
	• Still images and motion pictures from Windows Media Center cannot be projected in full-screen mode.
	• Since NS Connection can capture Layered windows, the tool bar of NS Connection is projected.
	•
	•
	• When projecting images via NS Connection, mouse cursor might blink depending on PC specification.

	Macintosh OS <u>In case of uninstalling NSC V2.20 or later version, it is possible to uninstall by following 2 methods.</u> - Delete by installer exclusively for NSC version which you want to uninstall. For example, when you want to uninstall NSC V2.40, you need to use installer for NSC V2.40. NSC V2.20 and later version can not be uninstalled automatically by different version installer. - Delete manually.

System Requirements:

OS	Windows 2000 SP4/ XP Home Edition/ XP Professional(32bit) /Vista SP1 Home Basic / Home / Premium / Ultimate / Business / Enterprise(32bit) Mac OS X 10.3 minimum, OS 10.3.9/10.4.5/10.5.1 recommended
CPU	Windows: Mobile Pentium III 1.2GHz at least (Pentium M1.6GHz at least recommended) Mac: Power PC G3 900MHz at least recommended
Memory	At least 256MB (At least 512MB recommended）
Available hard disk space	At least 20MB
Display	Minimum- VGA(640×480), Maximum- UXGA (1600 x 1200) 16-bit color or more

Obtaining the Update:
Download epson13123.exe from www.epson.com to the version 2.50 update for NS Connection.
The files are extracted and copied to C:\EPSON\epson13123_EMP_NS_Connection_251.
The user should be directed to this folder to find the bulletin. The program will automatically install after the download file is extracted.

 Note: on the Mac, the extraction process copies the epson13124_EMP_NS_Connection_251 folder to the desktop. The program and bulletin are inside this folder. The user will double-click on NSCv2.51_Installer to start the installation process.

Software Upgrade History:

Version	Release date	Remarks
1.00	December 25, 2002	New release
1.10	January 1, 2003	Release for PowerLite 7850p
1.20	September 10,	Improved the transfer rate specification for PowerPoint

	2003	images
1.30	May 31, 2004	Support added for WPA and LEAP
1.31	June 18, 2004	Improved screen problem issue
1.32	January 18, 2004	Improved the internal function of connecting to the projector
1.40	April 1, 2005	• Addition of Presentation Mode and Interruption Prevention function • Able to present with video set for 32 bit color • Function improvement with Excel and PowerPoint • Improved ESSID search lockup prevention when certain LAN adapters and drivers are used
2.00	2006/06/20	• Addition of multi screen display function • Addition of movie sending mode • - Improvement of connection and usability
2.10	2006/12/08	• Improvement in the ability to search projectors by Automatic Search. (For Windows) • Improvement in the operability of choosing projector. • Improvement in operability and visibility of "Connect" button. • Preventing Virtual Display from being used as primary display. • Improvement in the ability of image processing speed. (For Mac) • - Change the packet size for a connection request command used by Quick connection.
2.20	2006/05/29	EMP NS Connection V2.20 supports Windows Vista (Home Basic /Home Premium/Ultimate/Business/Enterprise).
2.30	Nov. 27, 2007	• Supported picture transfer for EMP-1825 • Improved wireless search and connection abilities. • - Added video format supporting movie sending mode
2.40	Mar. 24, 2008	• EMP NS Connection V2.40 supports Windows Vista Service Pack 1 • - Supports 24 languages
2.50	Jun.2,2008	Supported image transfer and virtual display of 1280 x 768 • Changed the operation method to prevent NS connection from being blocked by Windows Firewall Added another wireless LAN utility that NS connection supports
2.51	Feb.9,2009	- Addition of supported models (PowerLite-85/825/826W) - Addition of supported languages - Addition of troubleshooting function (Only for Windows)

[Exhibit 1] Wireless LAN client list that NSC V2.30 and V2.40 stops their service process

	Manufacturer Name	Adapter Name	Wireless LAN Utility Name
Supported by V2.30	D-Link	Air Plus XTREMEG DWL-G650	D-Link AirPlus XtremeG Utility (CD)
	NETGEAR	WN511T	Smart Wireless Utility Ver.1.1.5.9(CD)
	BUFFALO	Buffalo all products	Client Manager 3 Ver.1.2.10(Web)
	IBM	ThinkPad products	Access Connection(Web) *1 Ver.4 or later
	IBM	ThinkPad products	Access Connection(Web) *1 Ver.3.71
	Logitec	Logitec LAN-WAG/U2 Wireless LAN Adapter	Logitec Wireless LAN Client Utility
	Linksys	Wireless-G Notebook Adapter v.5.0	WPC54G-JP setting utility
	NETGEAR	WG511AJP	NETGEAR WG511A Smart Wizard Ver3.2.3.306
	NETGEAR	WGM511	NETGEAR SMART WIZARD -Wireless Assistant WGM511 Ver 1.0.0.7
	NETGEAR	WPNT511	NETGEAR WPNT511 SMART WIZARD Ver1.1.3.0
	Linksys	WPC300N	Wireless-N Notebook Adapter Wireless Network Monitor v1.05
	Linksys	WPC54G	Wireless-G Notebook Adapter Wireless Network Monitor Ver 3.1
	Linksys	WPC54GX4	Wireless-G Notebook Adapter with SRX400 Setup Wizard V1.1
	Linksys	WUSB54GP	Wireless-G Portable USB Adapter WLAN Monitor v1.05
	Linksys	WUSBF54G	Wireless-G USB Adapter with Wi-Fi Finder
	NETGEAR	WG511 v2	

	Linksys	WPC54GX	Wireless-G Notebook Adapter With SRX Wireless Network Monitor v. 1.2
Supported by V2.40	Linksys	WUSB54GSC	Compact Wireless-G USB Adapter Wireless Network Monitor v1.05
Supported by Quick Wireless Connection V.1.00 / NSC V2.50	Atheros		Atheros Client Utility
Supported by Quick Wireless Connection v1.02 / NSCv2.51	Broadcom	BCM4311 / BCM2050	Broadcom Wireless Utility
	NETGEAR	WN511B	NETGEAR WN511B Smart Wizard Utility
	NETGEAR	WG111v3	NETGEAR WG111v3 Smart Wizard Utility
	NETGEAR	wn111	NETGEAR WN111 Smart Wizard Utility
	NETGEAR	WUSB600N	Linksys Wireless Network Monitor
	PLANEX	GW-US300MiniW	PCI GW-US300MiniW Utility

∗1: Because Access Connection service stops, power display of Power Manager becomes invalid.

EPSON PRODUCT SUPPORT BULLETIN

Date:	04/20/2009	**Originator:**	JAM
PSB #:	PSB.2009.06.001	**Authorization:**	*Kps*
Reference:	TI 09-05e Rev. A/B	**Total Pages:**	5
Product(s):	PowerLite 735c / Cinema 500 / 737c / 745c / 755c / 765c / 830p / 835p / 1705c / 1715c / 6100i / 6110i / 7800p / 7850p / 7900NL / 8300i / 8300i with EasyMP.net module / 9300NL / 1815p / 1825 / 822p / 83c / 822+ / 83+ / G5000 / Pro G5150 / Pro G5350 / Pro G5200W / 1725 / 1735W / 400W / 410W / 84 / 85 / 825 / 826W		
	PowerLite 61p / 81p / 82c / 821p / 1810 / 260d (Latin America) / 280d (Latin America) with TCP/IP to Serial converter		
Subject:	Release of EMP Monitor for Windows version 4.30		

This bulletin was created to inform you of the release of the new version 4.30 of the Epson EMP Monitor software utility.

Description of Change:
Improvements have been made to the EMP Monitor software utility.

Note: For the PowerLite 61p / 81p / 82c / 821p / 1810 / 260d (Latin America) / 280d (Latin America) models, a serial to TCP/IP conversion adapter is necessary. The function of Auto Update does not work for these models. You need to manually click on refresh to get an updated status of projectors.

Reason:
The improved points of version 4.30 are as follows:

Application	EMP Monitor
Version upgraded	Version 4.22 → Version 4.30
Improved points	(1) Addition of 7 new languages - Indonesian, Croat, Slovak, Bulgarian, Malay, Vietnamese, and Hebrew Existing 27 languages - Chinese (Traditional), Netherlands, Danish, Polish, Hungarian, Czech, Romanian, Slovene, Norwegian, Swedish, Finnish, Russian, Ukrainian, Greek, Turkish, Arabic (Windows NT4 does not support), English, Japanese, French, German, Italy, Spanish, Portuguese, Chinese (Simplified), Korean, Catalan, Thai

(2) Addition of Input Source (Only PowerLite 84 / 85 / 825 / 826W)
Previous version of EMP Monitor included USB Display, USB and LAN as one source: EasyMP.
The input source buttons for USB display, USB, and LAN are available as separate input sources as shown below:

- Old version - EMP Monitor V4.22
  EMP Monitor V4.22
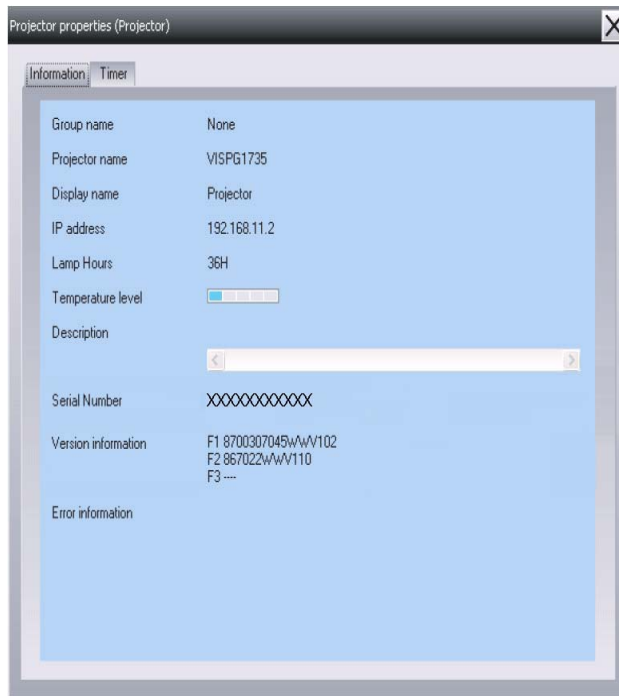

- New version - EMP Monitor V4.30
  EMP Monitor V4.30

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(3) New feature for the PowerLite 84 / 85 / 825 / 826W.
 Displays projector's serial number in the Menu settings

- The projector's serial number is now displayed in the projector's menu under "info",
- EMP Monitor can also display the projector's serial number as shown below:

Limitations	When the PowerLite1725 / 1735W exhibit a Lamp Cover Open error state, EMP Monitor cannot detect the error. The reason is that when the lamp cover is opened, the primary power source that reports the error state to EMP Monitor is turned off immediately. This is different from other models which make the secondary power source turn off under the same condition.

Note: EMP Monitor Ver. 4.xx is not compatible with EMP Monitor Ver. 3.05 and earlier versions. EMP Monitor Ver. 4.xx cannot read the setting files of EMP Monitor Ver. 3.05 and earlier versions.

System Requirements:

OS	• Windows 98 SE / Me / NT 4.0 (SP6) *Except Arabic and Hebrew / Windows 2000 Pro / XP Home Edition / XP Professional (32 bit) / Vista Home Basic / Home Premium / Ultimate / Business / Enterprise (32 bit) *Except Ukrainian / Vista SP1 Home Basic / Home Premium / Ultimate / Business / Enterprise (32 bit) • Internet Explorer Ver. 5.0 or later must be installed
CPU	Minimum: Pentium MMX 166 MHz (Recommended: Pentium II 233 MHz or higher)
Memory	At least 64 MB (Recommended: 128 MB or above)

Available hard disk space	At least 50 MB
Display	SVGA (800×600) or higher resolution, 32 bit or higher display color

Obtaining the Update:

Download epson13055.exe from www.epson.com to get the version 4.30 update for EMP Monitor. The files are extracted and copied to C:\EPSON\epson13055_emp_monitor_430.

This file is a self-extracting archive and will start the installation utility for EMP Monitor. Follow the on-screen instructions during the installation process.

Software Upgrade History:

Version	Release date	Remarks
3.00	December 25,2002	Supported PowerLite 735c
3.01	February 26,2003	Supported PowerLite 7800p / 8300i
3.02	April 18,2003	Supported PowerLite 7850p / 8300i with EasyMP.net option module
3.03	November 21,2003	Supported PowerLite Cinema 500
3.04	April 1, 2004	Supported Serial -TCP/IP conversion adapter for PowerLite 61p / 81p
4.01	October 18, 2004	Supported projectors that are configured on a large-scale network.
4.02	August 29, 2005	Addition of timer function and auto search function by specifying IP addresses. Improvement of communication logs size.
4.10	May 8, 2006	Addition of new functions, Improvement of usability, and Corresponding to PowerLite 6100i.
4.20	May 15, 2007	EMP NS Connection V2.20 supports Windows Vista (Home Basic / Home Premium / Ultimate / Business / Enterprise).
4.21	September 26, 2007	Supported 25 languages
4.22	March 31, 2008	Supported 27 languages Addition of new Error Information Supported Video (BNC)
4.30	**April 3, 2009**	**Supported 34 languages** **Additional Input Sources** **Displays projector's serial number in Menu settings**

EPSON PRODUCT SUPPORT BULLETIN

Date:	12/18/2008	**Originator:**	DS
PSB #:	PSB.2009.01.006	**Authorization:**	_Kas_
Reference:	TI 08-22e Rev. A/B	**Total Pages:**	7
Product(s):	PowerLite 735c / 737c / 745c / 755c / 765c / 835p		
	1705c / 1715c / 1815p / 1825p / 7850p / 8300i with EasyMP.net option		
	Pro G5150 / Pro G5350 / 1725 / 1735W		
Subject:	Release of Check Tool for Network Projectors V1.00 (for Windows)		

This bulletin was created to inform you about the release of Epson Check Tool software for Network Projectors version 1.00.

Description of Change:
First release of the Check Tool for Network Projectors for Windows

Reason:
The Check Tool for Network Projectors makes it possible to easily check whether EPSON Quick Wireless Connection and EMP NS Connection's Quick Connection mode can operate on the users' Windows PC properly. The Check Tool for Network Projector can also be used as a reference check before the purchase of the projector or as a troubleshooting Tool.
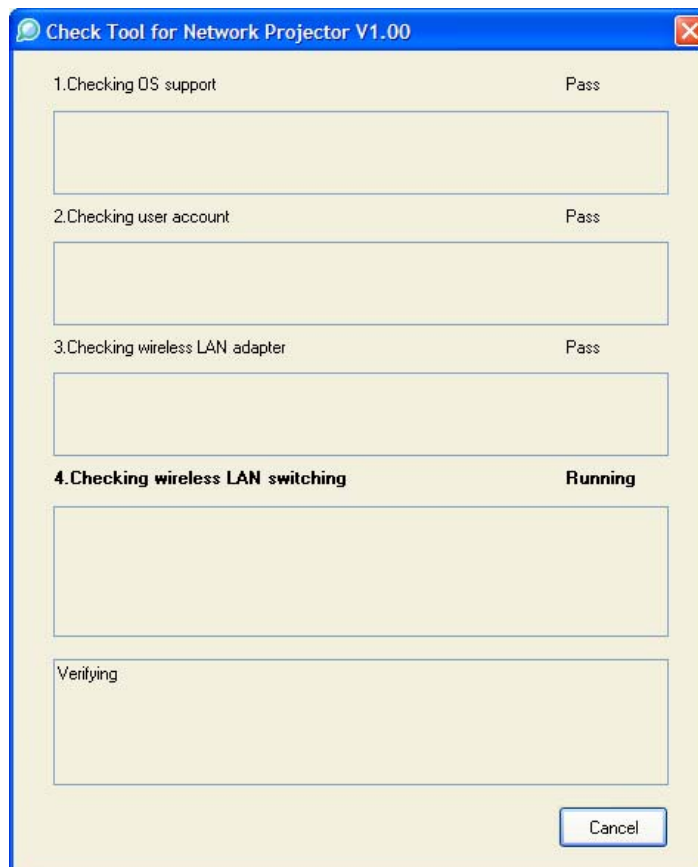
1) Function of the Application

Application name	Check Tool for Network Projector V1.00

Notes	The Check Tool checks automatically whether EMP Quick Wireless Connection and EMP NS Connection's Quick Connection mode can operate properly on the user's Windows PC in terms of the following four points:
	
	1. Checks OS support.
	    • Checks whether the OS is supported by EMP Quick Wireless Connection / EMP NS Connection.
	2. Checks user account
	    • Checks user's account for administrator privileges to install EMP Quick Wireless Connection / EMP NS Connection.
	3. Checks the wireless LAN adapter
	    • Checks whether the wireless LAN adapter and driver are installed on the PC.
	    • Checks whether the wireless LAN is active.

Notes	4. Checks wireless LAN switching • Checks whether wireless LAN adapter is turned ON. • Checks whether EMP Quick Wireless Connection and EMP NS Connection's Quick Connection mode can set the SSID on the user's PC when trying to connect to a projector using EMP Quick Wireless Connection and EMP NS Connection's Quick Connection Mode. The Check Tool checks for communication conflict and whether it can actually stop the utilities when both utilities--EMP Quick Wireless Connection V1.00 and EMP NS Connection-- are both installed on the users PC.

Check Tool for Network Projector V1.00

1.Checking OS support   Pass

2.Checking user account   Pass

3.Checking wireless LAN adapter   Pass

4.Checking wireless LAN switching   **Running**

Verifying

Cancel

Notes	Output of the log file: • The Check Tool records the result in a text file (log file). Usually, the log file is saved under the name of CheckInfoDATE.log in the directory where "EB_CHT.exe" is stored
Limitations	• When the Check Tool is checking the user's PC, the user's PC drops off network. • The Check Tool does not check whether the firewall of manufacturers of security software other than Windows may be blocking EPSON Quick Wireless Connection/EMP NS Connection.

2) Operating Environment
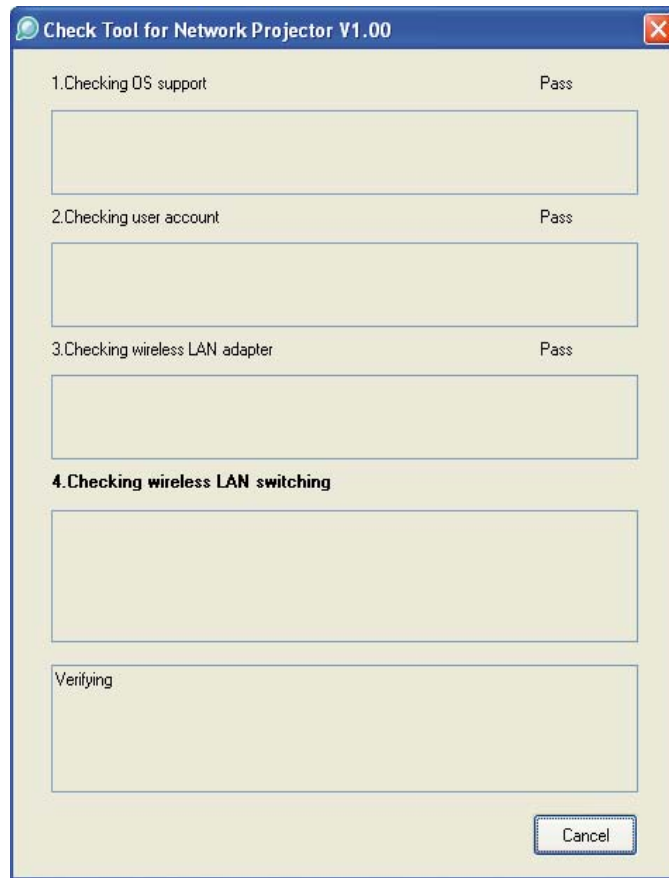
Check Tool for Network Projector V1.00

OS	Windows 2000 SP4 Rollup1 / XP Home Edition/ XP Professional(32bit) non-SP,SP1,SP2,SP3 /Vista SP1 Home Basic/Home Premium/Ultimate/Business/Enterprise(32bit) non-SP,SP1
CPU	Windows: Mobile Pentium III 1.2GHz at least (Pentium M1.6GHz at least recommended)
Memory	256MB at least (Recommendation: 512MB at least)
Disk space	20MB at least
Display	Resolution: At least VGA(640 x 480) but no more than UXGA (1600 x 1200) At least 16 bit color

3) Location of download file: Check Tool for Network Projector V1.00
Download epson12794.exe from the Epson website (www.epson.com).
This is a self-extracting file; please follow the screen prompts to install the
Check Tool software.

4) Double-click the [EB_CHT.exe] icon

**5) Read the contents of the [SOFTWARE LICENSE AGREEMENT], and click the
[Agree] button.**

6) A dialog indicating the program is starting opens with the following message:

>   This tool cuts off the network connection temporarily.
>   Click the [Start] button to begin verification.

Check Tool for Network Projector

This tool will change the settings of the wireless LAN card
connected to this computer, so your network connection will be
terminated.
Please press the 'Start' button to begin verification.

This process may take several minutes.

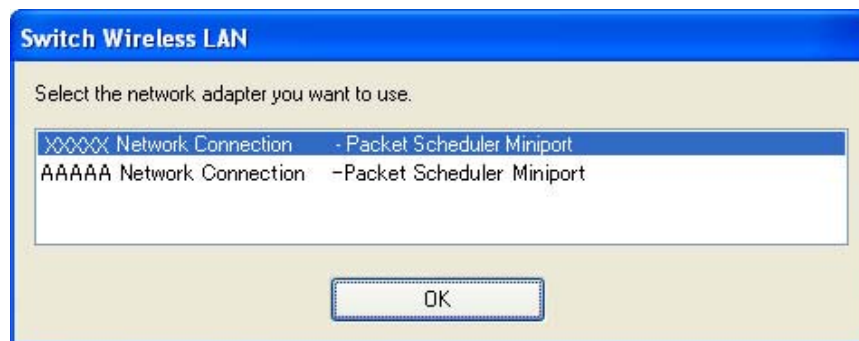   [Start]   [Cancel]

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7) The Check tool dialog is displayed. It takes a few minutes for the results of the verification are displayed

8) When two or more wireless LAN adapters are available on your computer, the adapter selection dialog opens.

Select the wireless LAN adapter and press the OK button to continue.

9) When the verification is complete, the result is displayed on the bottom of the dialog.

The result is stored in the same folder as the check tool.
File Name: CheckInfo<**>.log**
**** indicates the created date and time.

[Exhibit 1]
Wireless LAN client list that NSC and Quick Wireless Connection stop their service process

	Manufacturer Name	Adapter Name	Wireless LAN Utility Name
Supported by NSC V2.30	D-Link	Air Plus XTREMEG DWL-G650	D-Link AirPlus XtremeG Utility (CD)
	NETGEAR	WN511T	Smart Wireless Utility Ver.1.1.5.9(CD)
	BUFFALO	Buffalo all products	Client Manager 3 Ver.1.2.10(Web)
	IBM	ThinkPad products	Access Connection(Web) *1 Ver.4 or later
	IBM	ThinkPad products	Access Connection(Web) *1 Ver.3.71
	Logitec	Logitec LAN-WAG/U2 Wireless LAN Adapter	Logitec Wireless LAN Client Utility
	Linksys	Wireless-G Notebook Adapter v.5.0	WPC54G-JP setting utility
	NETGEAR	WG511AJP	NETGEAR WG511A Smart Wizard Ver3.2.3.306
	NETGEAR	WGM511	NETGEAR SMART WIZARD - Wireless Assistant WGM511 Ver 1.0.0.7
	NETGEAR	WPNT511	NETGEAR WPNT511 SMART WIZARD Ver1.1.3.0

	Linksys	WPC300N	Wireless-N Notebook Adapter Wireless Network Monitor v1.05
	Linksys	WPC54G	Wireless-G Notebook Adapter Wireless Network Monitor Ver 3.1
	Manufacturer Name	**Adapter Name**	**Wireless LAN Utility Name**
	Linksys	WPC54GX4	Wireless-G Notebook Adapter with SRX400 Setup Wizard V1.1
	Linksys	WUSB54GP	Wireless-G Portable USB Adapter WLAN Monitor v1.05
	Linksys	WUSBF54G	Wireless-G USB Adapter with Wi-Fi Finder
	NETGEAR	WG511 v2	
	Linksys	WPC54GX	Wireless-G Notebook Adapter With SRX Wireless Network Monitor v. 1.2
Supported by NSC V2.40	Linksys	WUSB54GSC	Compact Wireless-G USB Adapter Wireless Network Monitor v1.05
Supported by NSC V2.50 & Quick Wireless Connection V1.00	Atheros		Atheros Client Utility

*1: Because Access Connection service stops, power display of Power Manager becomes invalid.

Software Upgrade History Quick Wireless

Version	Release date	Remark
V1.00	August. 12, 2008	V1.00 release

EPSON PRODUCT SUPPORT BULLETIN

Date:	09/17/2008	**Originator:**	VS
PSB #:	PSB.2009.01.003	**Authorization:**	*Kps*
Reference:	TI 08-29e Rev. A	**Total Pages:**	8
Product(s):	PowerLite 1735W, 735c, 737c, 745c, 755c, 765c, 835p, 1705c, 1715c, 1725, 1815c, 1825, 7850p, 7950p, 8300i with EasyMP.Net optional module, Pro G5150 and Pro G5350 projectors		
Subject:	EMP SlideMaker2 updated Version 1.30 – provides scenario support for WXGA (1280 x 800) resolution		

This bulletin was created to inform users about a software update for the EMP SlideMaker2 to Version 1.30.

Description of Change:
Updated software release for creating scenarios in WXGA (16:10) format.

Reason:
- The updated version of EMP SlideMaker2 provides support for creating scenarios in XGA (1024 x 768) resolution and WXGA (1280 x 800) resolution.
- It also provides the ability to select scenarios in XGA (4:3) or WXGA (16:10) format, depending on the projector model used for the presentation.

Limitations:
- When creating a 16:10 scenario, the JPEG image must be in a 16:10 format.
- A 16:10 converted scenario can only be displayed with a WXGA (1280 x 800) projector.
- A 4:3 converted scenario can be displayed with a XGA or WXGA supported projector.
- When adding a PowerPoint slide from a thumbnail window to EMP SlideMaker2 with Microsoft Office 2007, the scenario image file may deteriorate due to an issue with Microsoft Office 2007 SP1.

1) Selecting Aspect Ratio for the Projector being used:

a) Properties Window

Properties

Scenario Name(P): |

Scenario Folder(D): C:\Documents and Settings\Epson\My   Browse(B)...

☐ Configure BGM(W):   ▶   (M)...

Output file

Select projector to be used.

⦿ XGA(4:3)   ○ WXGA(16:10)

Background Color

Color(C):   ▼

Image Quality

○ Highest image quality(N):   About 700KByte/1 Cell
⦿ High Quality(H):   About 350KByte/1 Cell
○ Standard(S):   About 100KByte/1 Cell

OK   Cancel

b) Drag and Drop Window

Note for file conversion

Slideshow will be replayed for PowerPoint file conversion.

Output file

Select projector to be used.
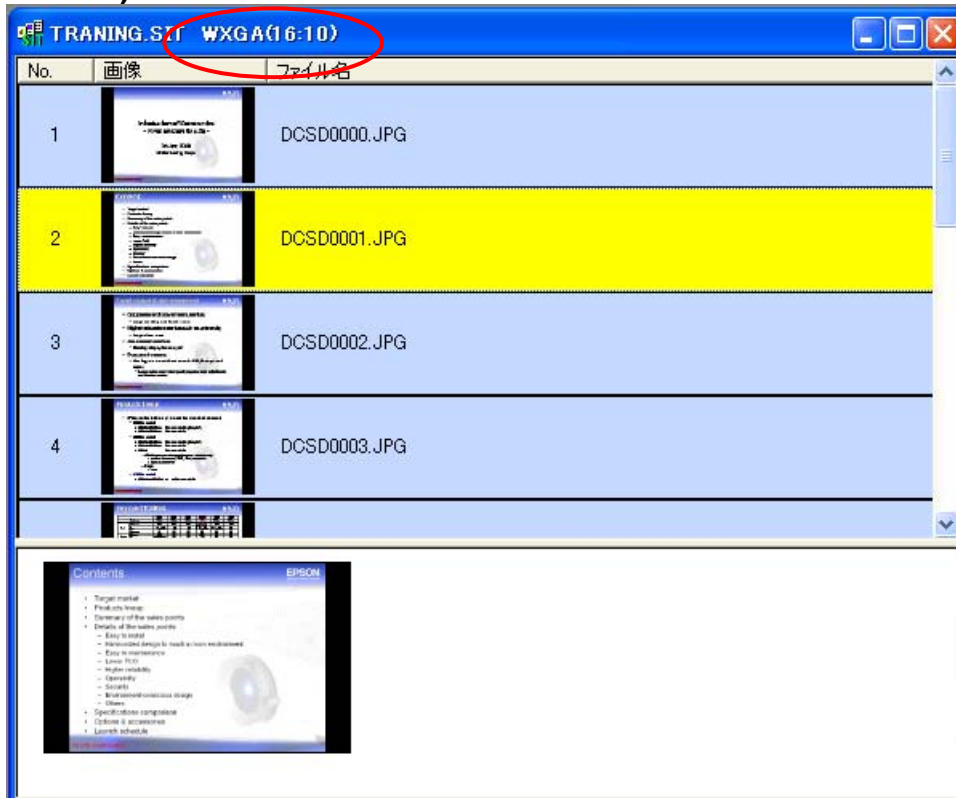
⦿ XGA(4:3)   ○ WXGA(16:10)

To stop conversion, right-click the presentation and select
[Quit Slideshow] from the context menu.
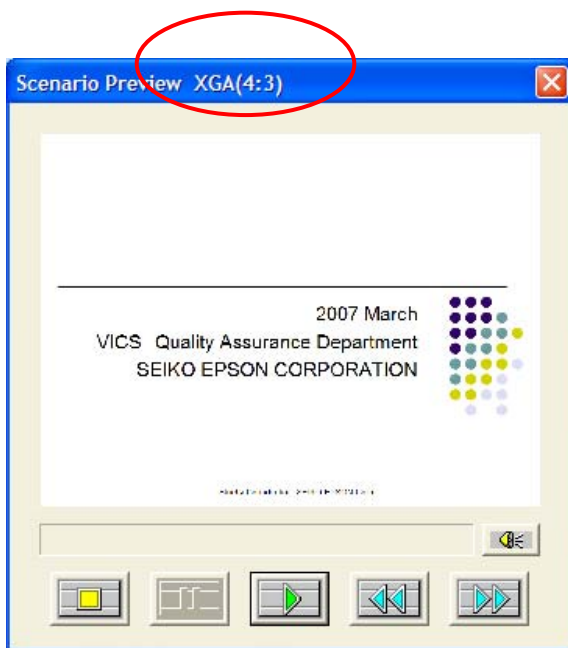
Continue   Stop

2) How to Verify the Aspect Ratio of the Scenario:

The resolution of the scenario is displayed in the window title of the Scenario Window and Scenario Preview as shown below:
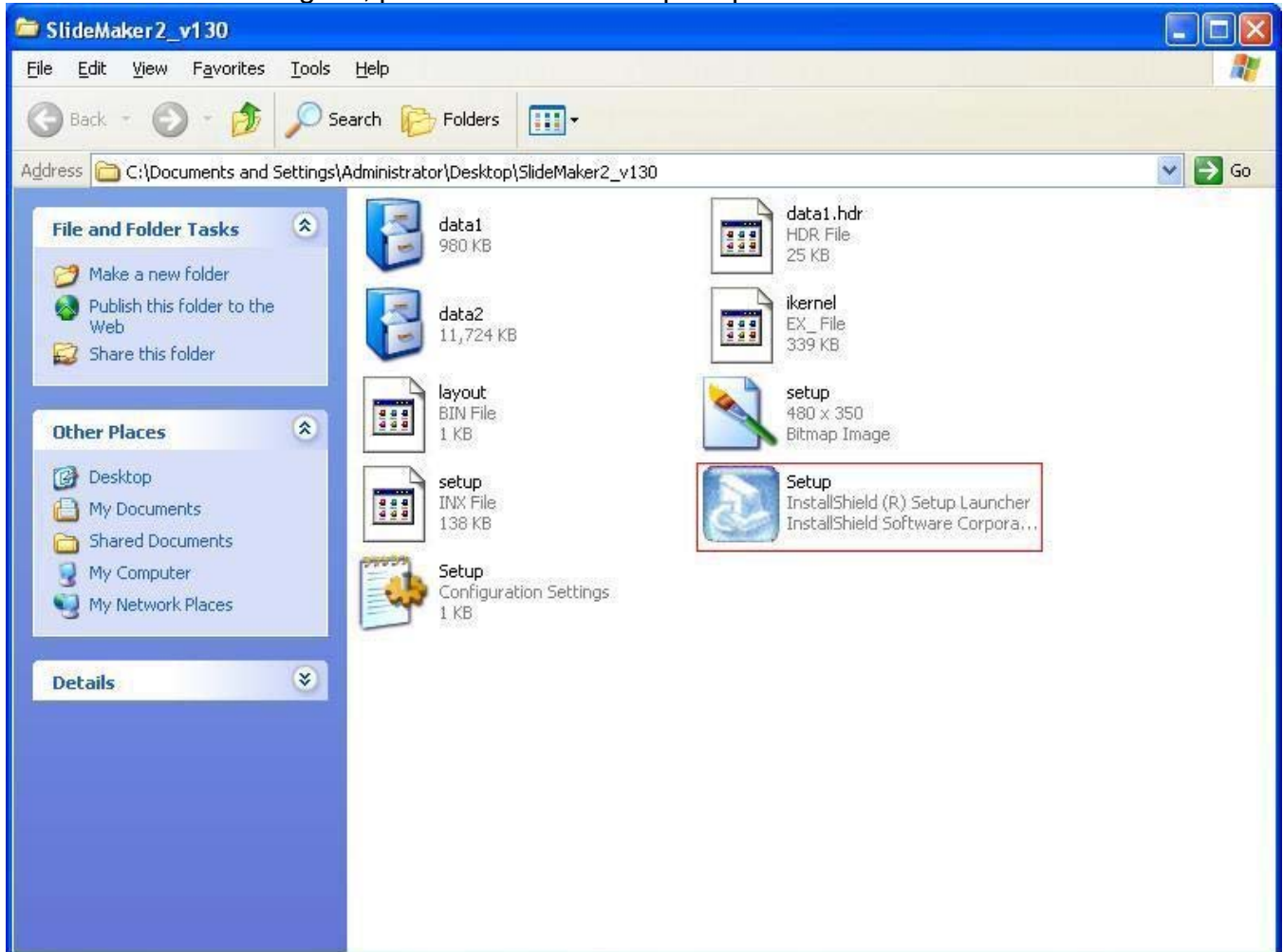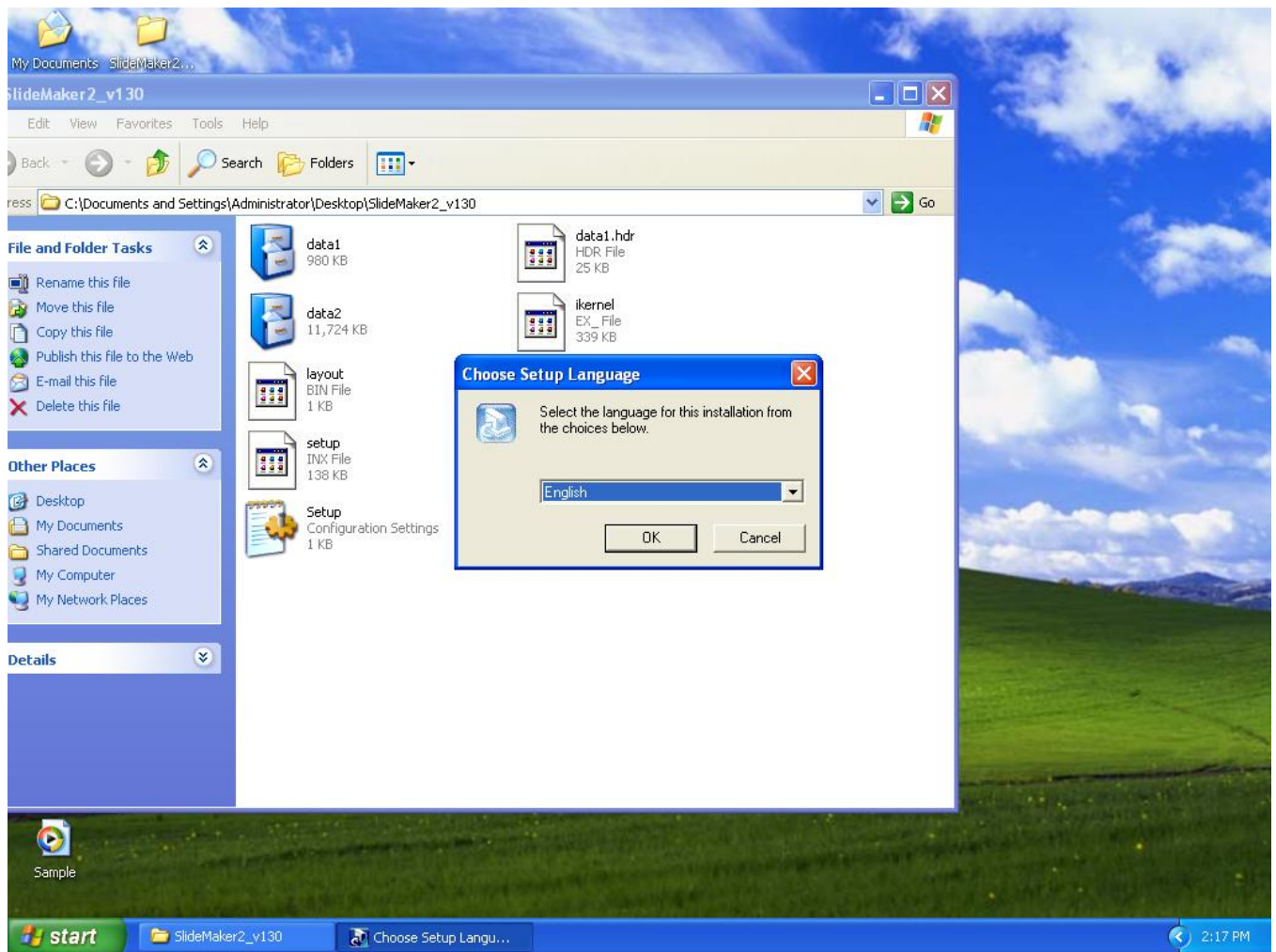
a) Scenario Window

b) Scenario Preview

3) Location of download file: EMP SlideMaker2 updated Version 1.30
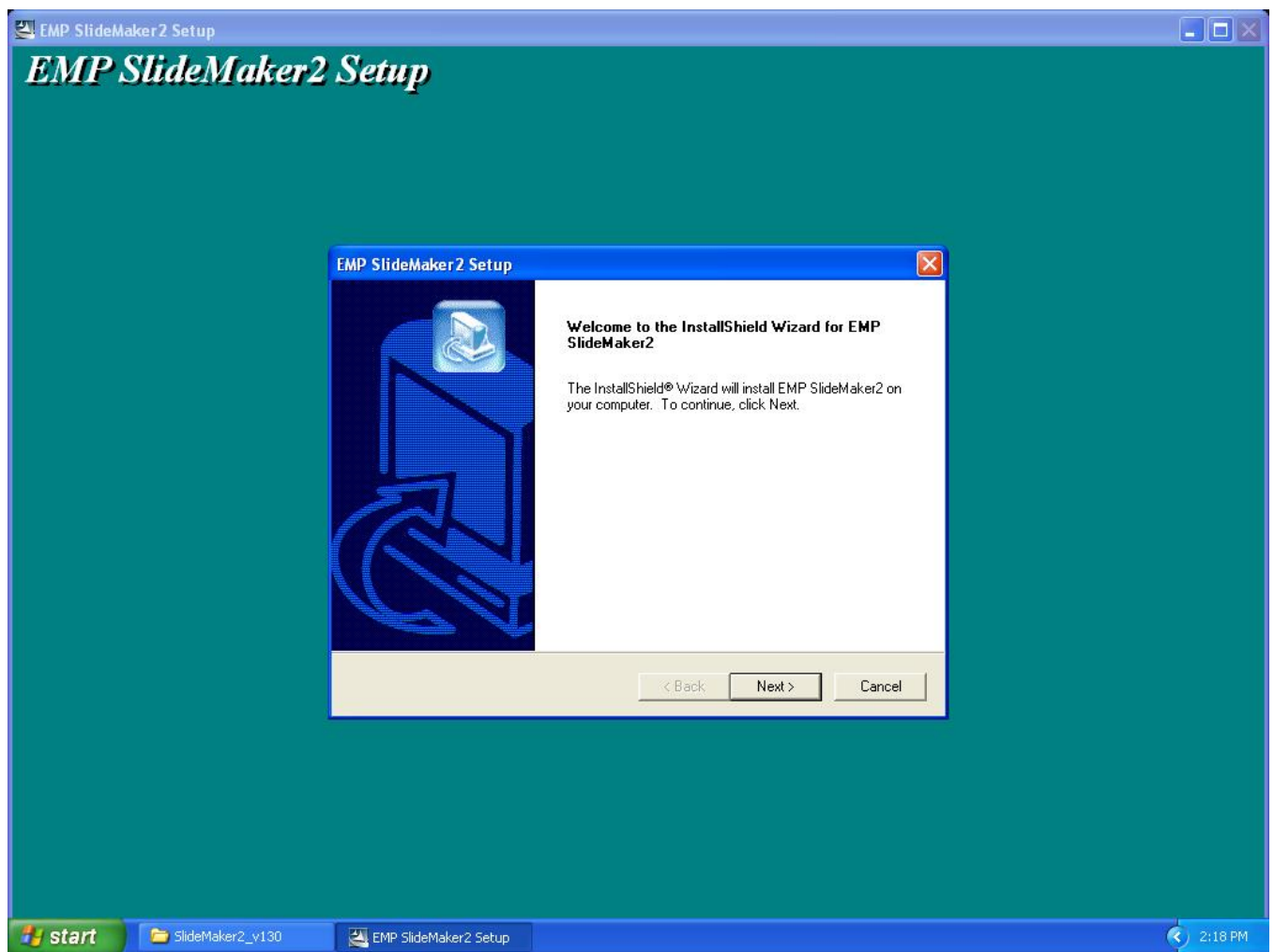**Download epson12812.exe from the Epson website** (www.epson.com)
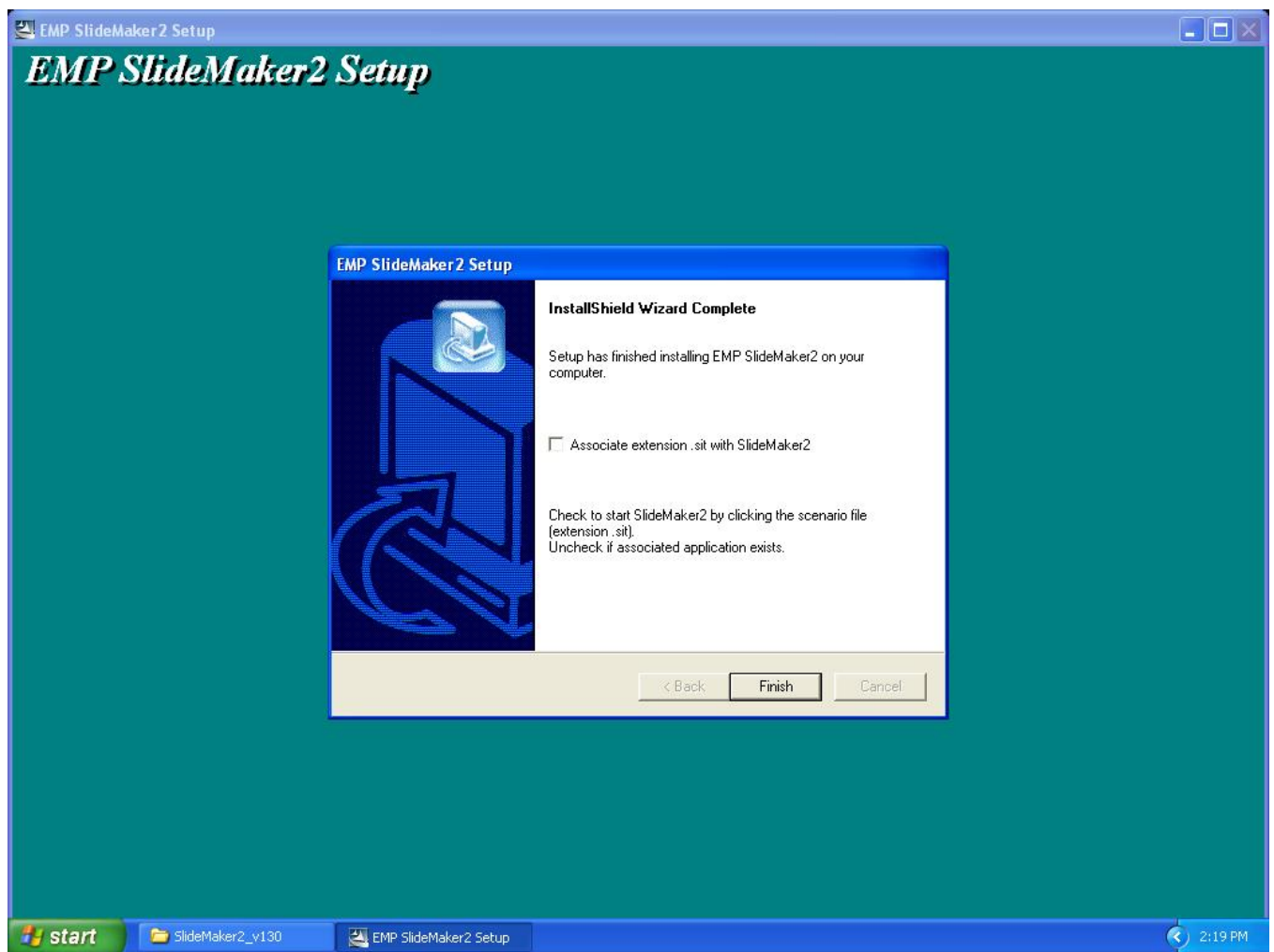This is a self extracting file, please follow screen prompts.

After "Clicking" on the "Setup.exe" file, your will be prompted to:

Select you language.

Click "Next" at this screen.

Click "Finish" to complete the installation.

4) <u>**How to User the software**</u>**:** Please refer to the original documentation that came with your Projector.

5) <u>**Operating Environment**</u>**:**

OS	Windows 98/98SE/Me/ 2000 Professional/XP Home Edition SP4 / XP SP1,SP2,SP3 Professional(32bit) / Vista non-SP,SP1 Home Basic/Home Premium/Ultimate /Business/Enterprise(32bit)
Office	Office2000、OfficeXP、Office2003、Office2007
CPU	At least Celeron 300MHz (Recommended: Celeron 400MHz or above)
Memory	At least 64MB（Recommended: 128MB or above）
Disk space	At least 50MB
Display	At least SVGA（800×600）（Recommended: XGA(1024x768))

EPSON PRODUCT SUPPORT BULLETIN

Date:	11/13/2007	**Originator:**	AP
PSB #:	PSB.2007.11.005A	**Authorization:**	*Kos*
Reference:	TI 07-63e, Rev. A	**Total Pages:**	3
Product(s):	Epson EMP Monitor		
Subject:	EMP Monitor Version 4.21 Release		

This bulletin was created to inform you of the release of Epson EMP Monitor version 4.21 utility.

New Functions and Improvements:

New Functions, Improvements	Supported Models	Function / Improvement Description
Support for 25 languages	All projectors (see Supported Projectors table)	Language support extended to include Chinese (traditional), Dutch, Danish, Polish, Hungarian, Czech, Romanian, Slovene, Norwegian, Swedish, Finnish, Russian, Ukrainian, Greek, Turkish, Arabic. Languages supported in prior version of EMP Monitor: English, Japanese, French, German, Italian, Spanish, Portuguese, Chinese (simplified), Korean
Abnormally low air flow notification	PowerLite 6100i / 6110i	Indicates an abnormal decrease in the force of air flow through the air filter. User should check for air filter obstructions, clean and replace air filter as necessary. This feature is available only for the indicated models.
Air flow sensor error	PowerLite 6100i (with firmware version 1.10 or later) / 6110i	Indicates air flow sensor error. This feature is available only for the indicated models
Clean air filter notification	PowerLite 6110i	User notification to clean air filter. This feature is available only for the indicated model.

Supported Projectors:
This application supports the following Epson projectors:

PowerLite 735c	PowerLite 1715c	PowerLite 1815p
PowerLite 737c	PowerLite 6100i	PowerLite 822p
PowerLite 745c	PowerLite 7800p	PowerLite 6110i
PowerLite 755c	PowerLite 7850p	PowerLite Cinema 500
PowerLite 765c	PowerLite 7900NL	PowerLite 61p
PowerLite 830p	PowerLite 8300i / 8300NL	PowerLite 81p
PowerLite 835p	PowerLite 8300i with the EasyMP.net Option Module installed	PowerLite 82c
PowerLite 1705c	PowerLite 9300NL	PowerLite 821p

Supported Operating Environment:

Operating System requirement	• Windows 98SE / Me / NT 4.0 SP6 (except Ukrainian) / 2000 Professional / XP Home Edition / XP Professional (32 bit) / Vista Home Basic / Vista Home Premium / Vista Ultimate (32 bit) / Vista Business (32 bit) / Vista Enterprise (32 bit) (except Arabic) • Internet Explorer 5.0 or later
Minimum CPU requirement	Pentium MMX 166 MHz (Recommended: Pentium II 233 MHz or faster)
Minimum RAM requirement	At least 64 MB (Recommended: 128 MB or more)
Drive space requirement	At least 50 MB free
Display requirements	SVGA (800 x 600) or higher resolution, 32 bit color display or higher

Obtaining the Update:
Download epson12456.exe from www.epson.com to get the version 4.21 update for EMP Monitor. This file is a self-extracting archive and will start the installation utility for EMP Monitor.

<u>Software History</u>:

Version	Release Date	Notes
3.00	December 25, 2002	Added support for the PowerLite 735c
3.01	February 26, 2003	Added support for the PowerLite 7800p / 8300i
3.02	April 18, 2003	Added support for the PowerLite 7850p / PowerLite 8300i with the EasyMP.net option module installed
3.03	November 21, 2003	Added support for the PowerLite Cinema 500
3.04	April 1, 2004	Added support for the Serial ↔ TCP/IP conversion adapter for the PowerLite 61p / 81p
4.01	October 18, 2004	Added support for projectors installed on large scale networks
4.02	August 29, 2005	Addition of timer function, auto search by specifying IP address. Improvement of communication logs sizes
4.10	May 8, 2006	Addition of support for PowerLite 6100i with support for additional monitoring features unique to the PowerLite 6100i
4.20	May 29, 2007	Added support for Windows Vista (32 bit)
4.21	September 26, 2007	Increased language support to 25 languages

EPSON PRODUCT SUPPORT BULLETIN

Date:	10/17/2007	**Originator:**	RY
PSB #:	PSB.2007.10.001	**Authorization:**	*Kps*
Reference:	TI 07-25e Rev. A, B	**Total Pages:**	4
Product(s):	PowerLite 765c / 1705c / 1715c / 1815p		
Subject:	Test Results of USB Memory, USB Card Readers and CF Cards		

This bulletin was created to inform you of the compatibility testing results for USB memory, USB card readers and compact flash cards with the PowerLite 765c / 1705c / 1715c / 1815p projectors. The PowerLite 765c and PowerLite 1815p projectors were used as the benchmarks for these tests.

Models and firmware versions used in the evaluation:

Firmware and Software versions	PowerLite 765c	PowerLite 1815p
PW firmware version	1.0	A1.04
EasyMP IM-X firmware version	1.32	1.1

<u>USB card configurations:</u>
USB memory, USB card readers and compact flash cards used with the USB port (Type A) of the projector

<u>Items evaluated:</u>
Confirm that the projector recognizes the storage devices when connecting and disconnecting them.
Confirm that the files types below work:
- Picture files (BMP, JPEG, GIF, and PNG)
- Movie files (MPEG1/2)
- EMP SlideMaker2 Scenario files
- Slide shows
- Confirm that a file can be written, read and deleted on Compact Flash by FTP (PowerLite 1815p only)

Evaluation results:

Media	Model name	Size	EMP-765	EMP-1815
USB Memory	Princeton PFU-2XS512K	512MB	Pass	Pass
	Princeton PFU-2XS256K	256MB	Pass	Pass
	Princeton PFU-2XS1GK	1GB	Pass	Pass
	Princeton PFU-2XS2GK	2GB	Pass	Pass
	Princeton PFU-2PG/512	512MB	Pass	Pass
	Princeton PFU-2PG/1G	1GB	Pass	Pass
	Princeton PFU-2PG/2G	2GB	Pass	Pass
	Princeton PFU-2TS512	512GB	Pass	Pass
	Princeton PFU-2TS256	256GB	Pass	Pass
	Princeton PFU-2TS1G	1GB	Pass	Pass
	Princeton PFU-2TS2G	2GB	Pass	Pass
	Princeton PFU-2JU/256	256GB	-	Pass
	Princeton PFU-2JU/512	512GB	-	Pass
	Princeton PFU-2JU/1G	1GB	-	Pass
	Philips FM01FD10B	1GB	Pass	Pass *1
	Lexar JDMC1GB-654	1GB	Pass	Pass
	Lexar JDX512-260B	512MB	Pass	Pass
	SONY USM512	512MB	Pass	Pass
	Memorex 32509363	1GB	Pass	Pass
	Imation Pivot Flash Drive	512MB	Pass	Pass
	Coski'n CKE-2GB SILVER RG	2GB	Pass	Pass
	CENTONDSS256-001	256MB	Pass	Pass
	Geek GS-512	512MB	Pass	Pass
	DANE-ELEC zLight	512MB	Pass	Pass
	Hagiwara sys-com HUD-1GLJ-BR	1GB	Pass	Pass *1
	ELECOM MF-YU2512SV	512MB	Pass	Pass
	Buffalo RUF2-E1G-B	1GB	Pass	Pass
	I O Data TB-ST1G/B	1GB	Pass	Pass
USB Card Reader	Hama Card reader 1.000&1	-	Fail *1	Fail *2 *3
	SanDisk SDDR-103-E10M	-	Pass	Pass

Compact Flash	PNY P-CF1G-60W-RF3	1GB	Pass	Pass
	SanDisk SDCFH-2048-902	2GB	Pass	Pass

*1 When using Smart Media or Memory Stick flash memory, the audio of the EMP SlideMaker2 scenario might be distorted. When playing a movie using Smart Media flash memory, the sound and image of the EMP SlideMaker2 scenario might be distorted.

*2 When using Smart Media or Memory Stick flash memory, the sound of the EMP SlideMaker2 scenario might be distorted.

*3 When playing motion images stored on CF cards, which are inserted into the card slot of the projector, the sound and image might be distorted.

Additional tests results with the Powerlite 1815p:
Evaluation results of compact flash (CF) cards and adapters:
Test conditions - Connect the CF card and adapters to card slot of the projector
Evaluation items - Confirm that a picture file can be read on compact flash

Category	Manufacture	Product Name	Capacity	EMP-1815
Compact Flash	Lexar	CF8GB-133-380	8GB	Pass
	GREENHOUSE	GH-CF6GDX	6GB	Pass
	I-O DATA	CF115-4G	4GB	Pass
	Lexar	CF2GB-80-380	2GB	Pass
	GREENHOUSE	GH-CF512MB	512MB	Pass
	TDK	TC256GT	256MB	Pass
	I-O DATA	CFX-128M	128MB	Pass
	BUFFALO	RCF-X32MY	32MB	Pass
	TDK	TC064WA	64MB	Pass
	Hagiwara sys-com	HPC-CF8GZ2F	8GB	Pass
	Transcend	TS8GCF120	8GB	Pass
	Kingston	CF/2GB-SFE	2GB	Pass
	BUFFALO	RCF-R1G	1GB	Pass

Category	Make	Product Type	Media Type	Media Maker	Product Name	Size	EMP-1815
Adapter	OLYMPUS	MACF-10	XD picture card	OLYMPUS	MXD1GM3	1GB	Pass
	I-O DATA	CFSD-ADP	SD card	Panasonic	RP-SD128MB	128MB	Pass
	ASKA	5in1 CF-ADP01	MultiMedia Card	Transcend	TS1GMMC4	1GB	Pass
			Memory Stick Pro	SONY	MSX-M256	256MB	Pass
	SANWA	ADR-PCMLT2	MemoryStick-DUO	SONY	MSH-M64A	64MB	Pass
			SD card	SanDisk	SDSDM-1024	1GB	Pass
			Multi Media Card	Transcend	TS1GMMC4	1GB	Pass
			XD card	OLYMPUS	MXD256P3	256MB	Pass

EPSON PRODUCT SUPPORT BULLETIN

Date:	09/25/2007	**Originator:**	DJS
PSB #:	PSB.2007.09.001	**Authorization:**	*Kps*
Reference:	TI 06-91e Rev. B	**Total Pages:**	5
Product(s):	PowerLite 755c / 765c / 835p / 1705c / 1715c / 1815p		
Subject:	EPSON Projector control for Win V.1.00 release		

This bulletin was created to inform you on the release of the new Epson Projector Control software version 1.00.

Description:

EPSON Projector Control lets you control the projector from your computer with a one-on-one connection between your computer and the projector over a network. It allows you to perform operations, such as turning the projector on/off and switching sources, from your computer without using the projector's remote control.
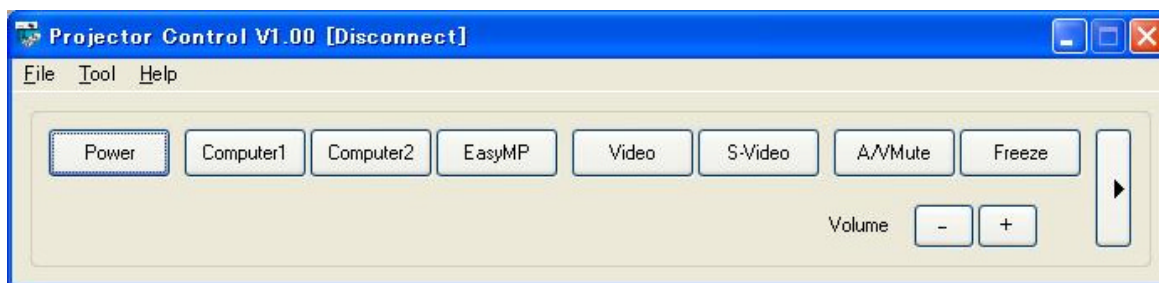
Function:

EPSON Projector Control has 2 modes: Advanced Mode and Simple Mode.
Although there is a difference in main display layouts between the two modes, their operation procedures are almost the same. The difference is as follows:

Advanced Mode: Each source has each source button. Therefore source can be selected by clicking each source button directly.
Simple Mode: Source buttons are toggle-type. Therefore source can be switched every time the toggle-type button is pressed.

[1] **Advanced Mode**
The main display is larger than that of Simple Mode. Each source has a source button, so the source can be selected by clicking the applicable source button directly.
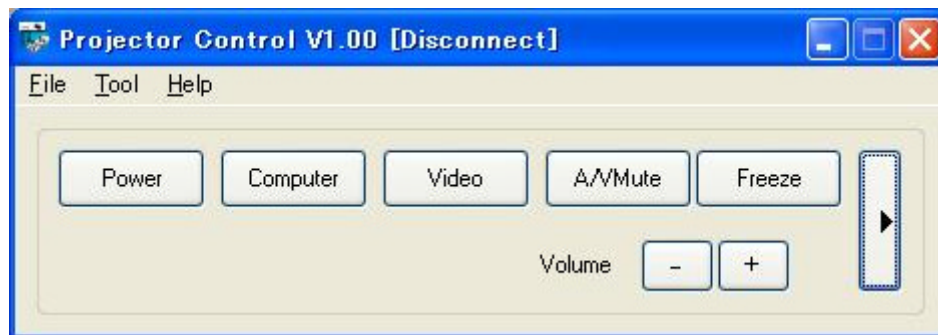
Button Functions
For Advanced Mode

Button	Function
Power	Turns the projector power on/off.
Computer1	Switches the input source to the Computer1 input port.
Computer2	Switches the input source to the Computer2 input port.
EasyMP	Switches the input source to EasyMP.
Video	Switches the input source to the Video input port.
S-Video	Switches the input source to the S-Video input port.
A/VMute	Turns the A/V Mute function on/off on the projector.
Freeze	Turns the Freeze function on/off on the projector.
CC	Displays the selection menu for Closed Caption. Select one of the following: "OFF," "CC1," or "CC2." This function may not be available depending on the projector models.
Volume	Turns the volume up on the projector.
Volume	Turns the volume down on the projector.
▶	Switches between Advanced Mode and Simple Mode.

[2] **Simple Mode**

- You need to switch sources by using the toggle-type button but the main display is simpler.
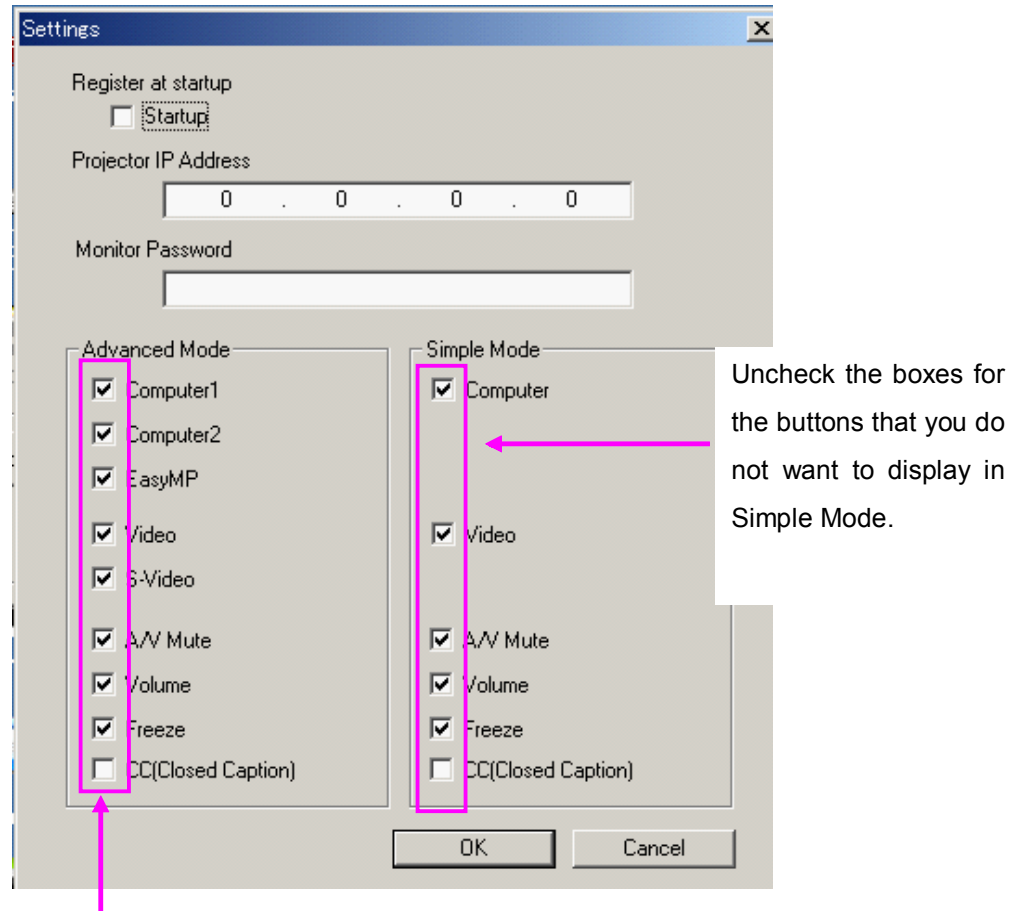
For Simple Mode
There is a difference in the following buttons between
Simple Mode and Advanced Mode.

Button	Function
Computer	Switches the input sources among the Computer input port, the Computer1 input port, the Computer2 input port, and EasyMP. Every time you click the button, the source changes in the following order. Computer input port or Computer1 input port-> Computer2 input port→ EasyMP-> Computer input port or Computer1 input port…
Video	Switches the input sources between the Video input port and the S-Video input port. Every time you click the button, the source changes in the following order. Video input port-> S-Video input port-> Video input port

Item	Function
Register at startup	Check this for EPSON Projector Control to start up automatically when the computer starts.
Projector IP Address	Enter the IP address for the projector to be connected. You need to do this only when you make a connection for the first time or when you want to change to another projector to be connected.
Monitor Password	Enter the Monitor Password that is set on the projector. You do not need to do this when the Monitor Password is not set on the projector.
OK	Click this to reflect the setting changes that you made. The setting screen is saved and closed. Or Click × on the title bar not to reflect the setting changes.
Cancel	Click this to abort the setting changes.

Settings Display

Uncheck the boxes for the buttons that you do not want to display in Simple Mode.

Uncheck the boxes for the buttons that you do not want to display in Advanced Mode.

[3] **How to set up EPSON Projector Control software**

[**Note**] Be sure to set the projector to Network ON in Standby Mode in the Extended Menu.

1) Download "Epson12378.exe" from Epson website. This file contains "ProjectorControlSetup.exe" which is used to install EPSON Projector Control for Windows V.1.00 on the computer.
2) Set up your computer and the projector to connect over a network.
3) Start the EPSON Projector Control software as follows: "Start"→"Program"→"EPSON Projector"→"Projector Control V1.00." Then the main screen is displayed. Click "Tool"→"Settings" on the main screen. The setting screen is displayed.
4) Enter the Projector IP Address, click "OK" to save, and close the setting screen.

Operation Environment
[EPSON Projector Control V.1.00]

Operation Environment:

OS	Windows 2000 SP4 / XP SP2 32-bit (Professional / Home) / Vista 32-bit (Business / Enterprise / Home Basic / Home Premium / Ultimate)
CPU	At least Pentium MMX 166MHz (Pentium II 233MHz or later recommended)
Memory	At least 64MB
HDD space	At least 50MB
Display	SVGA (800×600) or higher resolution / At least 32-bit color

Additional Note:

Other Epson projector models supported:

PowerLite 6100i / 830p / 83c / 822p

Projector models not supported:

PowerLite 735c / 732c / 737c / 745c / 7800p / 7850p / 7900p / 8300i with the EasyMP.net Option Module installed/ 9300i

EPSON PRODUCT SUPPORT BULLETIN

Date:	8/30/2007	**Originator:**	DS
PSB #:	PSB.2007.08.001	**Authorization:**	*Kps*
Reference:	N/A	**Total Pages:**	1
Product(s):	Epson Projectors with an HD-15 VGA Analog/Component Input		
Subject:	Elmo HV-110XG Document Camera and Projector Compatibility		

This bulletin was created to inform you of an operational issue with the Elmo HV-110XG Document Camera when initially connected to an Epson projector.

Problem:
When attempting to use the Elmo HV-110XG Document Camera connected via the VGA HD15 connection to display content from its document bed. When connected to the projector, the projector displays only the **Blue Screen - No Signal** message and will blink off and on or display just the Blue Screen - No Signal message. When a computer is connected to the Elmo HV-110XG Document Camera and switched to Pass-Through mode, the computer image is displayed correctly by the projector. When switching back to the document table source of the Elmo HV-110XG Document Camera, the problem returns. The Elmo HV-110XG Document Camera puts out a Progressive Scan 20fps signal to the projector's VGA Analog port. This signal is detected at 15 kHz Vertical and 291.8 kHz Horizontal frequencies which are beyond projector sync specifications.

Solution:
With the Elmo HV-110XG Document Camera powered on and connected to the projector via the VGA computer cable, access the **Computer1/Computer2** setting in the projector menu system and select the **Component** setting within the appropriate connection. This will allow the Elmo HV-110XG Document Camera and projector to sync and the projector to display the image of the document camera bed and its contents. However, the image will have a pink cast. To eliminate the pink cast, change the projector setting from Component to **RGB** then to **Auto** and exit from the menu. The projected image will now look normal. This will now allow the Elmo HV-110XG Document Camera to sync and display the image properly to any other connected Epson projector without having to change the projector settings.

EPSON PRODUCT SUPPORT BULLETIN

Date:	06/07/2007	**Originator:**	TC
PSB #:	PSB.2007.06.002	**Authorization:**	*Kps*
Reference:	TI 07-01e Rev. A	**Total Pages:**	5
Product(s):	PowerLite 1705c / 1715c / 1815p		
Subject:	Release of EasyMP Firmware V.1.10 for USB Display support under Windows Vista™ operating system.		

This bulletin was created to inform you about the release of PowerLite 1705c / 1715c / 1815p EasyMP firmware V.1.10 for the USB Display feature to work in Windows Vista. This bulletin also provides instructions on where to find the firmware upgrade files and how to perform the upgrade using a USB Thumbdrive.

Description of Change:
Main improvements and limitations by this upgrade are as follows:

Software	Version	Applicable models	The improvements and limitations
USB Display	V.1.10	PowerLite1705c / 1715c PowerLite 1815p	**[Improvements]** • Support Windows Vista. • Add the function which shows ESSID and hides ESSID on the portal screen of EasyMP. • Support WEP shared Key Authentication. **[Limitations]** • There are unreadable fonts such as "2" in a user interface. • USB Display does not redraw the sent image until UAC (User Account Control) is shown on PC. • The displayed image is an image which is not with Windows Vista Aero. • When using Windows Media Center and Windows photo gallery with full screen, the USB Display feature cannot display the images of a full screen to a projector.

How to download the needed files
Please download the firmware file and update instructions from the Epson PowerLite 1705c or 1715c product support web sites at: http://support.epson.com
You can download the EasyMP firmware after agreeing to the EPSON END USER LICENSE AGREEMENT.

How to distinguish new version products from old version ones
You can confirm the version number in the portal screen of EasyMP.

S/N for projectors with the EasyMP V.1.10 firmware installed
Below are the starting serial numbers of units that ship with Firmware V.1.10. Pre-installed:

Model	**PowerLite 1715c**	**PowerLite 1705c**	**PowerLite 1815p**
Serial Number	JHZG730647F	JJKG730217F	JV2F730001L

NOTE: The EasyMP version of the PowerLite 1815p projectors is already V.1.10 for all PowerLite 1815p projectors. Therefore the PowerLite 1815p projectors do not need the V.1.10 firmware upgrade.

Download procedure

Preparing the computer
Download the firmware update file, epson12312.exe to the PC. This file is a self-extracting archive and will decompress to C:\EPSON\epson12312_easymp_110. Copy the firmware update files to the root directory of a USB Thumbdrive (flash memory).
Note: Make sure that the root directory of the flash memory only has the 2 firmware update files on it; no other files or folders should exist on the USB memory device.
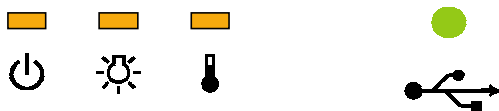
Preparing projector
Note: Do not unplug the power cord or remove the USB device before the upgrade is complete. If the firmware update procedure is interrupted for any reason, before the procedure is complete, it may render the projector unusable. If this occurs you will need to contact Epson or take your projector to an authorized Epson Customer Care Center.
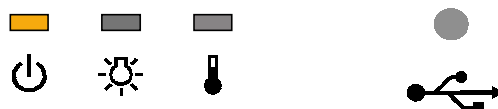
1. Power on the projector.
2. Make sure that the projector is set to "Network Off" by clicking, Menu ->Extended -> Standby Mode. If the Standby Mode is set to "Network ON", set it to "Network Off", and turn the projector off and on.
   NOTE: If you attempt to run the firmware upgrade with the projector set to "Network On", then the projector will be stuck in a loop and will continue to run the update. In this case, remove the USB flash memory at the moment that the green light of USB access indicator goes off.
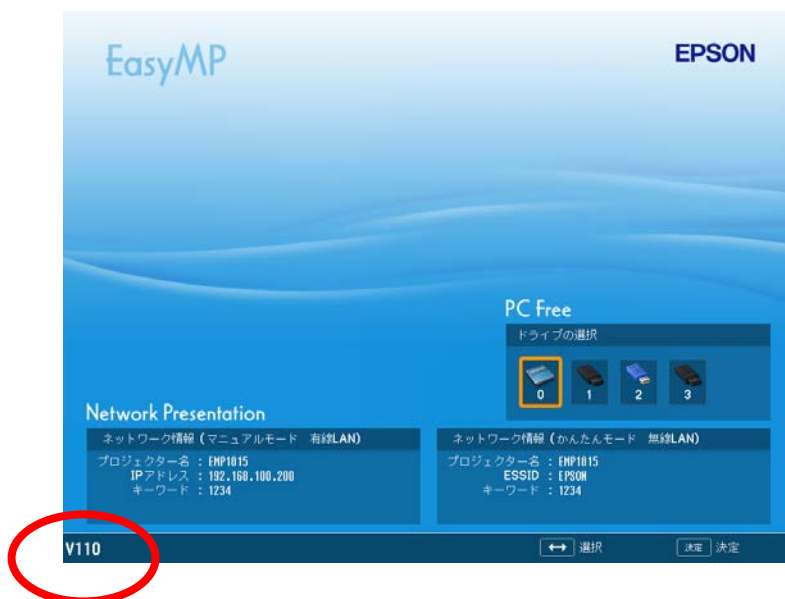3. Display the EasyMP main screen by pushing EasyMP button on the remote control.
4. Connect the USB flash memory to USB port Type A on the projector. A Black screen is displayed. The projector enters download mode while making the 3 LED indicators (Power, Lamp and Temp indicators) show solid orange. After a while, the USB access indicator lights green and the update will start. When the update is complete, the green light of USB access indicator goes off. NOTES: USB access indicator lights green a few seconds after Power, Lamp and Temp LED's show solid orange. Don't remove the USB flash memory during the updating (USB access indicator is lit.)

5. After making sure that Power indicator shows solid orange, remove the USB flash memory from the projector.
NOTE: Be sure to remove the USB flash memory from the projector. If you follow the instruction on the step 6 without removing the USB flash memory, the update starts again.

6. Turn the projector off and on again.
7. Display the EasyMP main screen following step 3 and make sure that the version number displayed in the lower left corner of the image is changed to V110.

<u>The LED lighting status of Projector's USB access indicator.</u>
Green LED lighting: The operating system of EasyMP is being upgraded.
Orange LED lighting: The projector's firmware is being upgraded.
Red LED lighting: The upgrade has failed.
LED is Off: The upgrade has complete normally.

<u>FAQ's for EasyMP Update Version 1.10</u>

**Q1.	How do we know whether the upgrade is complete?**
A1.	When green light of the USB access indicators goes off, and the projector power indicator exhibits a solid orange and enters Standby mode, the upgrade is complete. To make sure whether the update is complete, please check the version number shown in the lower left corner of the EasyMP screen. After removing the USB memory or the card reader from the projector, power on the projector again. When the version number V110 is shown in the lower corner of the EasyMP screen, the update is complete.

**Q2.	Can I use any USB flash memory?**
A2.	Please refer to the Confirmation list of USB flash memory devices table below.

Q3.   Can I use USB flash memory where the update file is saved with other files?

A3.   We recommend you use a USB flash memory with only update files.

Q4.   What do the projector's LED status indicators mean?

A4.   1   USB access indicator shows a solid orange. (Accessing USB memory)
        2   USB access indicator shows a solid green. (Preparing update)
        3   Power, Lamp and Temp indicators of the projector show a solid orange. (Download
             mode)
        4   USB access indicator shows a solid green again. (System updating)
        5   After the solid green of the USB access indicator and the solid orange of
             Power/Lamp/Temp indicators of the projector go off, the power indicator exhibits solid
             orange and then the projector enters standby mode.
             Note: A solid red of the USB access indicator means that the update failed abnormally.

Q5.   What should I do if the firmware update fails?

A5.   Please turn off the projector and retry the update procedure starting from step 1 above.

        <u>**Possible causes of the failure**</u>
        1.   If you change the name of the update file in the root directory of USB flash memory,
             insert the USB memory in the projector and start the update, a black screen with a
             message "no file" is displayed. When the message is displayed, the firmware cannot
             be upgraded.
        2.   When the root directory of USB flash memory doesn't have the update files in it, the
             update cannot be executed.

**Q6.   What does it mean when the projection screen keeps showing the message
         "Starting EasyMP" on blue background, and cannot be shifted to EasyMP screen?**

A6.   If you observe this issue, it may be an indication that the upgrade has failed. You may
        attempt to perform the upgrade again, but is some cases the firmware upgrade will
        continue to fail and the projector will be unusable. In this case, please contact Epson End
        User Technical support at 1-562-276-4394 or a local Epson Authorized Customer Care
        Center.

**Q7.   Do you have a list of known good or bad USB memory devices that have been
         tested?**

A7.   Yes, below is a short list of USB flash memory devices that we have tested. If your USB
        memory device is not in the list, it may still work, however it has not been tested. When
        using an untested USB memory device, please watch for the symptoms or behavior
        described in the comments section below.

Confirmation list of USB flash memory operation

No	USB Flash Memory			OK / or Fail	Comments
	USB Maker Name	Product Name & Model Number	Size		
1	CosKin	CKE-2GB SILVER RG	2GB	Fail	*1
2	PHILIPS	FM01FD10B	1GB	Fail	*1
3	SONY	USM512	512MB	OK	
4	Lexar	JDMC1GB-654	1GB	OK	
5		JDX512-260B	512MG	OK	
6	PNY	Evolution	256MB	Fail	
7	SanDisk	CruzerMini•SDCZ2-128	128MB	OK	
8	SONY	POCKET BIT•USM32D	32MB	OK	
9	Transcend	JetFlash•TS512MJF2A	512MB	OK	
10	GREEN HOUSE	GH-UFD64SAP	64MB	Fail	
11	BUFFALO	RUF2-M256	256MB	Fail	
12	BUFFALO	RUF-C128M/U2	128MB	OK	
13	IO Data	EasyDiskPt•EDP2-256M	256MB	OK	
14	IO Data	ToteBag•TB-B128	128MB	OK	
15	IO Data	EDHG-64M	64MB	OK	
16	IO Data	EASY DISKX *unknown model number	32MB	Fail	
17	CosKin	CKE-1GB MINI RG BLISTER	1GB	Fail	*2,*3
18	SanDisk	Cruzer Micro SDCZ4-512	512MB	OK	
19		Cruzer Micro SDCZ4-512	512MB	Fail	*2
20		Cruzer Micro SDCZ2-256	256MB	OK	
21	GREENHOUSE	PicoDrive GH-UFD1GPLZ	1GB	OK	
22		PicoTURBO GH-UFD512TB	512MB	OK	
23	Transcend	JetFlash110 TS512MJF110	512MB	OK	
24		JetFlash120 TS1GJF120	1GB	OK	
25	BUFFALO	RUF-X512M/U2	512MB	OK	
26		RUF-X1G/U2	1GB	OK	
27		RUF2-R1G-S	1GB	OK	
28		RUF2-R2G-S	2GB	OK	
29	CENTON	DSS256-001	256MB	Fail	*2
30	DANE-ELEC	zLight	512MB	OK	
31	Geek	GS-512	512MB	OK	
32	imation	Pivot Flash Drive	512MB	OK	
33	Memorex	32509363	1GB	OK	
34	Hagiwara sys-com	HUD-1GLJ-BR	1GB	OK	
35	ELECOM	MF-YU2512SV	512MB	Fail	*2,*4
36	BUFFALO	RUF2-E1G-B	1GB	OK	

Comments
*1 After the projector enters download mode, USB Access Indicator shows a solid red.
*2 After the projector enters download mode, the update fails because the projector cannot read the files saved in the USB memory.
*3 When inserting USB flash memory into the projector, the PCFree screen may start occasionally.
*4 We needed to select USB device on PCFree screen due to the partition function of the USB flash memory.
NOTE: USB memory devices that require a password entry cannot be used.