



LITESHOW4 DB+ Wireless Presentation System User Guide



Declaration of Conformity

Manufacturer: InFocus Corporation, 13190 SW 68th Parkway, Suite 200, Portland, OR 97223-8368

We declare under our sole responsibility that the Liteshow4DB wireless adapter conforms to the following directives and norms:



European Union: CE Standard



FCC ID : SQ3WGA510P16

U.S.A : FCC Standard

Product Marking Name: InFocus, Liteshow 4 Wireless Dual Band Presentation Receiver

IC: 8150A-LSHOW4DB

Canada : IC Standard



Australia/New Zealand : RCM Standard

AS/NZS 4268/CISPR 32 Class B / IEC 60950-1

This device complies with Directive 2014/53/EU issued by the Commission of the European Community.

The Agency/Regulatory Approval for the computer's wireless adapter is solely the responsibility of the adapter manufacturer - not InFocus Corporation.

Regulatory Model: LITESHOW4DB

Trademarks

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NOTE: This product is covered electrical and electronic equipment under the European Union's Waste from Electrical and Electronic Equipment ("WEEE") Directive (2002/96/EC). The WEEE Directive requires that covered equipment be collected and managed separately from typical household waste in all EU member states. Please follow the guidance of your local environmental authority or ask the shop where you purchased the product for collection or recycling options.

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel

mobile satellite systems. Please note that high-power radars are allocated as primary users (i.e. priority users) of the bands

Canada

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Informations concernant l'exposition aux fréquences radio (RF)

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé. Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure.

Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive

codes where required by the technology.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
This device is restricted to indoor use.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

CAN ICES-3 (B)/NMB-3(B)

The Country Code Selection feature is disabled for products marketed in the US/Canada

Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

No.	Model	Ant. Type	Ant. Connector	Gain (dBi)	Remark
1	AN2450-4828RS	Dipole	SMA Male Reverse	2	2.4GHz / 5GHz
2				2	2.4GHz / 5GHz

Europe

2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40)

5GHz: 802.11a

The frequency, mode and the maximum transmitted power in EU are listed below:

2400 MHz – 2483.5 MHz: 19.95 dBm (EIRP)

5150 MHz – 5250 MHz: 18.98 dBm (EIRP)

PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

5150-5250MHz for only indoor use

Agency Approvals

FCC, CE, IC, RCM

Other specific Country Approvals may apply, see please product certification label.

InFocus reserves the right to alter product offerings and specifications at any time without notice.

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Overview

With the revolutionary Plug-and-Show wireless projection, QuadView, and wireless projection via PDA, LiteShow4 DB+ makes all of your presentations and meetings more efficient and successful.

Features

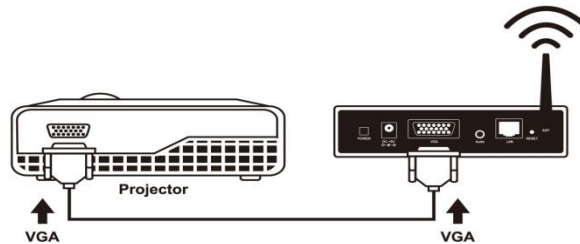
- Compatible with Windows 8, Windows 7, Vista, XP, and Macintosh (Mac) version 10.5 and above
- Plug and Show! Just link your computer to LiteShow4 DB+ (through WLAN or Ethernet); plug the token into a USB port, and in seconds, your screen will be projected wirelessly to your projector!
- QuadView allows up to four computer or PDA screens to be projected on one projector at the same time.
- Web-based conference control
- Session security login, wireless WEP/WPA key and gatekeeper functions protect presentation contents and maintain office network security.
- Media playback feature supports music and video streaming. LiteShow4 DB+ can even handle high-definition video.

What's in the Box

- LiteShow4 DB+ module
- LiteShow4 DB+ USB token
- Power adapter (DC +5V, 2.5A)
- Antenna (2)
- Mounting hardware
- Quick installation guide with warranty card
- Quick installation guide for mobile applications

Initial Setup

- 1) Connect power to LiteShow4 DB+ module, and connect a VGA cable from the projector to the LiteShow4 DB+ VGA connector. If desired, audio can also be connected to the LiteShow4 DB+ Audio connector.



- 2) Turn on the projector and LiteShow4 DB+ module. Note: When the projector shows the instructions below, LiteShow4 DB+ is ready for use.



- 3) Verify that your computer's wireless connection is enabled and connect to the LiteShow4 DB+ wireless network.
- 4) Open your browser. Although the LiteShow4 DB+ page should display automatically, you can bring up the LiteShow4 DB+ page by entering the IP address displayed on the projector into your web browser.
Note: The default IP address of LiteShow4 DB+ is 192.168.100.10.

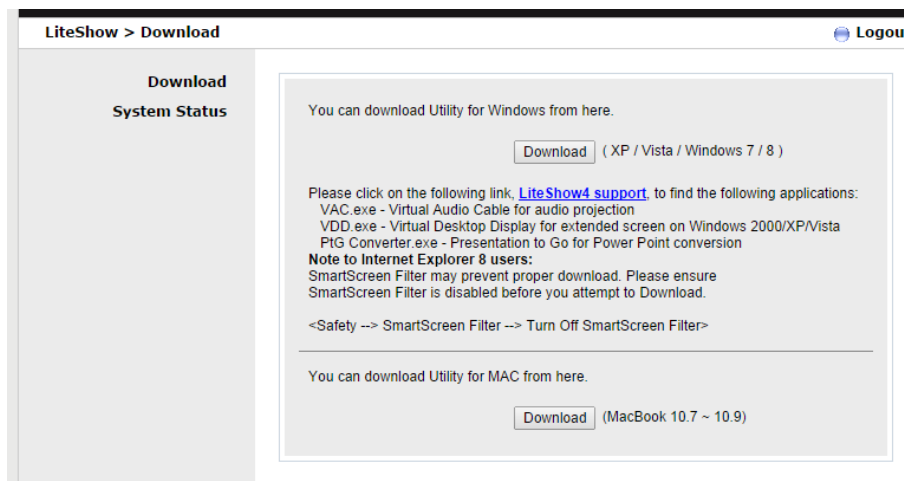
- 5) At the LiteShow4 DB+ login screen, enter one of the following combinations to access the downloadable client software:

Login	Default Password
None	Not applicable – No password required
Basic User	basic
Admin User	admin

Note: If the default password listed above does not work, contact your IT administrator.

- 6) Select the client software that corresponds to your operating system and click **Download** to start the installation program.
- 7) Follow the Installation Wizard instructions.

Note: If a **Windows Security Alert** window displays, click **Unblock** to continue installation.



- 8) Once installation is complete, a LiteShow4 DB+ shortcut will appear on your Desktop.

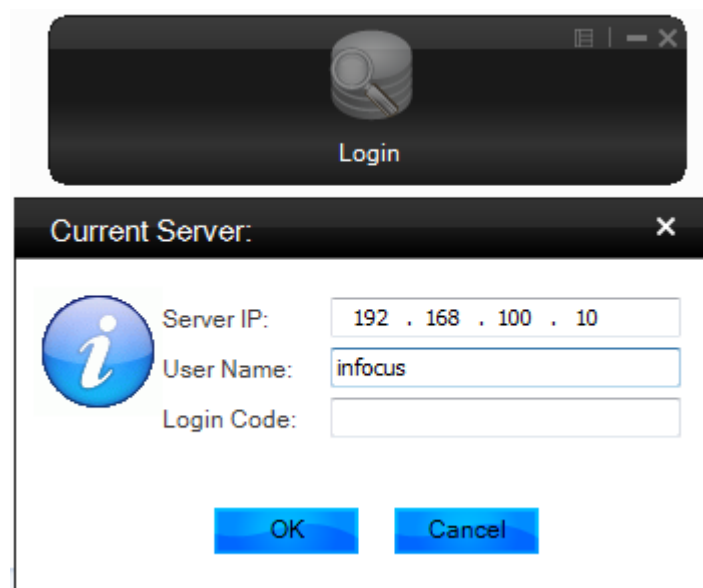
Windows Client Utility

Launch Application

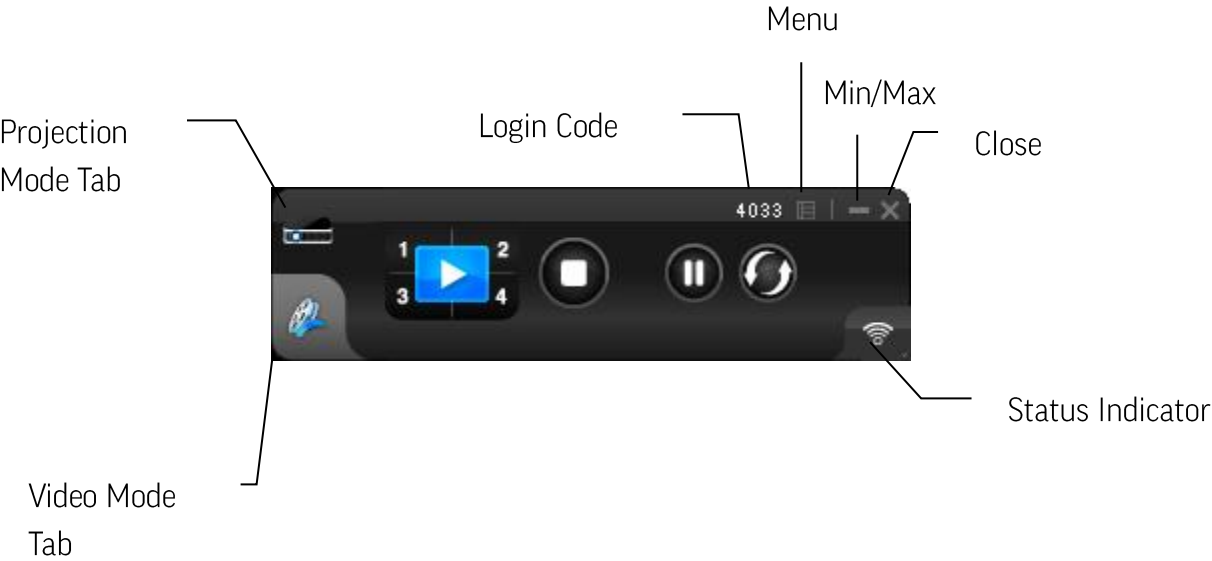
After you successfully download the LiteShow4 DB+ Windows client, follow the steps below to start the program.



- 1) Click the LiteShow4 DB+ shortcut.
- 2) Select the network you want to project over, and then the LiteShow4 DB+ module you wish to use.
- 3) If the LiteShow4 DB+ module is found, a Login Code dialog box displays on your projector.
- 4) Enter the **Login Code** visible on the projector and click **OK**. Your computer screen should begin displaying automatically.
- 5) If the **Login Code** is not visible on the projector, the Login Code has been disabled by your administrator. Click **OK** to proceed.



Application Control Panel



Projection Mode Tab



Projection Mode Controls	
	Full Screen projection
	Project to Quadrant #1
	Project to Quadrant #2
	Project to Quadrant #3
	Project to Quadrant #4
	Stop projecting
	Pause projecting
	Refresh projection

Projection Audio Notes:

LiteShow4 DB+ can redirect your computer’s audio to the projector using an optional VAC driver. To enable audio projection, you must first install the VAC Setup application (located on the USB token). Once VAC is installed, open the LiteShow4 DB+ application menu, select **Send Audio to Display**, select **Yes**, and restart LiteShow4 DB+.

Video Mode Tab



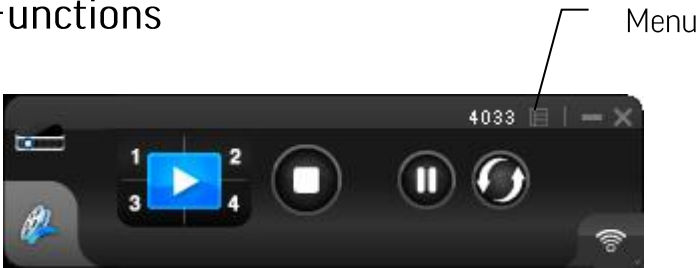
Video Mode Controls	
	Start playing video/music
	Stop playing video/music
	Open video/music file
	Mute
	Volume level
	Progress bar

Video Mode Notes:

Supported formats include: MPEG1/2, DivX(3.4.5), XviD(MPEG4), H.264, WMV9, MP3, WMA.

For higher quality video or music playback, stream the files from your computer to the LiteShow4 DB+ module. Decompression, buffering, and video processing all take place in the LiteShow4 DB+ module reducing the load on your computer and network. Click the **Video Mode** tab to switch to video mode. Choose a video/audio file to begin playback on the screen.

Menu Functions



When you click the **Menu** button shown above, the menu window displayed on the right appears. Click an option to enable/disable a feature or open another submenu.

Show Receiver Information

Displays the receiver information, such as the WiFi name, IP address, and code, in the upper-left corner of the desktop for ten seconds.

Web Admin...

Opens the Web Management login page. See the [Web Management](#) section for more information.

Search Receiver Device

Disconnects the current receiver and searches for the receiver again.

Show Receiver Information

Web Admin

Search Receiver Device

Launch SidePad

Launch WebSlides

Select Projection Desktop ▶

Projection Quality ▶

Projection Mode ▶

Resolution Setting ▶

Projection Aspect Ratio ▶

Enable IWB USB Bridge

☒ Advanced Screen Capture

☒ Send Audio to Display

☒ Auto Power Management

☒ Auto WiFi Connect

Make USB PnS Token

Copy Application to Desktop

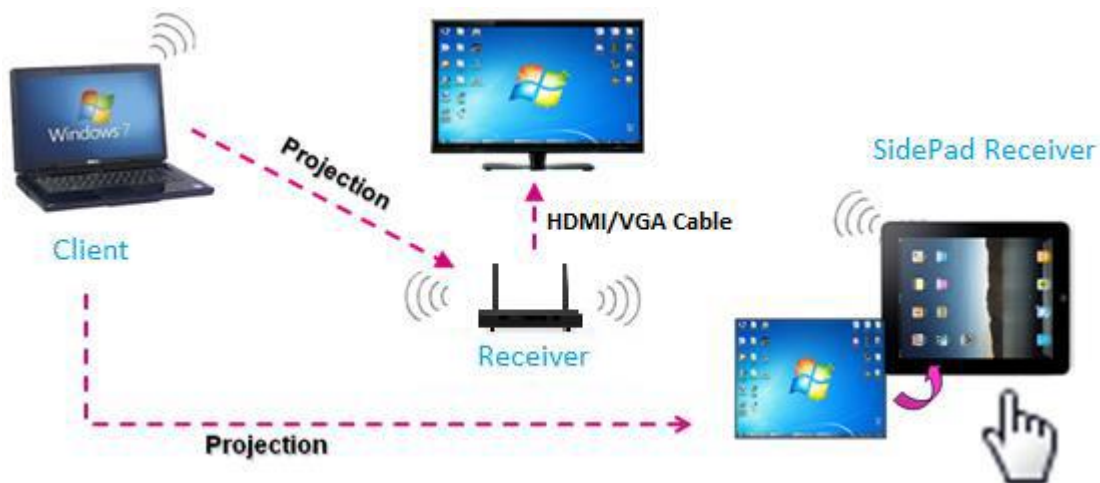
Hot Key

About

Exit

Launch SidePad

SidePad is an application that allows users to connect iPads/Smartphones (Android and iOS), PCs, and displays/projectors via the LiteShow4 DB+ device. The user can then control the projecting PC via the iPad/Smartphone. See the illustration below.



- 1) Download the software application:
For iOS: Download **SidePad Receiver** from the Apple Store.
For Android: Download **SidePad Receiver** from the Google Play Store.
- 2) Connect your iOS/Android device to the LiteShow4 DB+ device through WiFi and launch **SidePad Receiver**.



- 3) Click **Launch SidePad** from the menu. In a few seconds, the PC desktop will display on the iOS/Android device. You can now control the PC from your iOS/Android device.



- 4) If no iPad/Smartphone is detected, the SidePad login screen displays.

SidePad: Login

Device IP:

User Name:

Launch WebSlides

WebSlides allows users to broadcast their presentation to up to 64 users simultaneously.

Note: WebSlides is not available when QuadView is in use.

- 1) **Presenter:** Make sure your PC/Mac is connected to LiteShow4 and click **Launch WebSlides**.
- 2) **Audience:**
 - a. Connect to the LiteShow4 WiFi Network shown on the projector.
 - b. Launch your web browser and enter the LiteShow4 IP address.

InFocus

LiteShow
English ▼

Login None ▼

Password
Login

WebSlides
(View Projecting Screen)

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- c. Click the **WebSlides** button.

3) The presenter's slides display.



4) Use the toolbar to pause, save, change the aspect ratio, expand, and refresh the presentation window.

Notes:

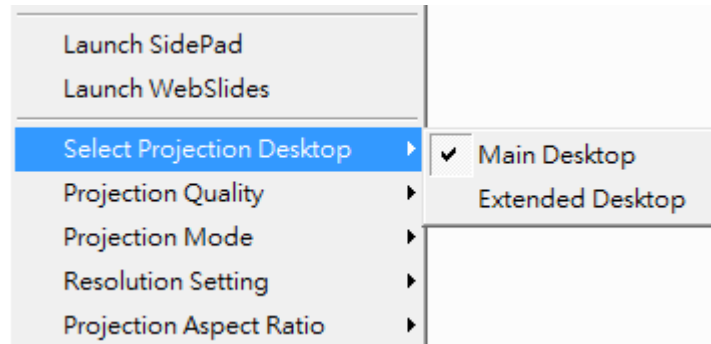
- WebSlides users and users logged into LiteShow4 both consume wireless bandwidth. If more than 10 users are logged into LiteShow4, we recommend connecting LiteShow4 to the company network using Ethernet or a router to ensure best performance.
- We also recommend that Webslides users do not exceed the recommended number specified on the Web Management page.
- Wireless Projection function and Conference Control function can support up to 64 users.

Select Projection Desktop

Allows you to project the main screen or the extended screen.

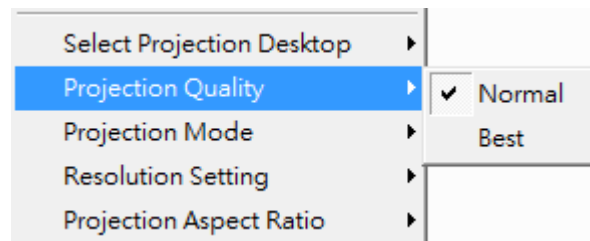
Notes:

- The VDD application (found on the USB token) must be installed on Windows XP computers before the Projection Desktop feature is used.
- Extended display is not supported on computers with Windows 7 and Vista Starter operating systems. In addition, extended display is not supported by all Windows 8 computers, however if the computer can extend its display to an external monitor/device, then it should work with LiteShow4.



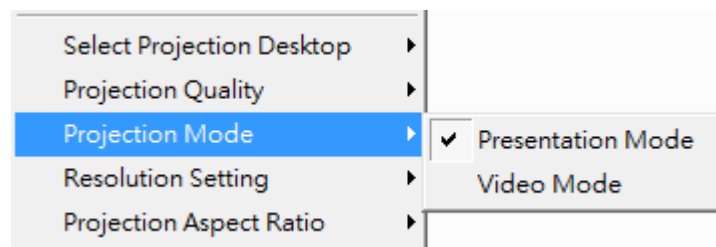
Projection Quality

Allows you to toggle between **Normal** (faster performance and lower image quality) and **Best** (better image quality and slower performance).



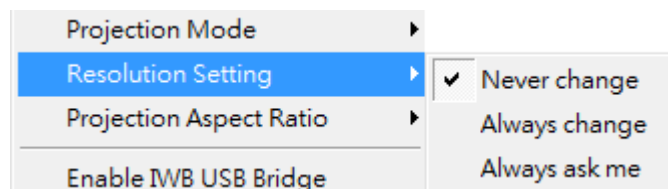
Projection Mode

Allows you to toggle between **Presentation** mode (shortest latency) and **Video** mode (better video performance).



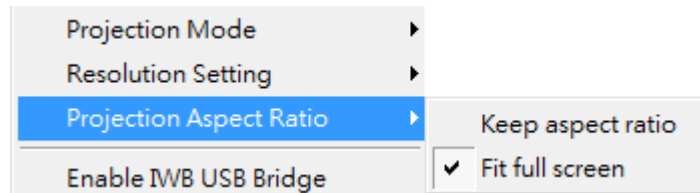
Resolution Setting

Allows you to toggle between **Never Change** (keeps the original desktop resolution), **Always Change** (automatically changes the resolution to match the application's recommended settings), or **Always ask me** (prompts the user to change).



Projection Aspect Ratio

Allows you toggle between **Keep aspect ratio** (keep the original aspect ratio if the desktop resolution is different than the LiteShow4 resolution), and **Fit full screen** (adjusts the image to project full screen).



Enable IWB USB Bridge

This feature enables touch functionality between your LiteShow4 DB+ device and your touch computer/ display.

- 1) Plug in a USB cable from the back port to your touch computer/display.
- 2) Click Enable USB IWB Bridge.
- 3) When the full screen projection is displayed, it will bridge the IWB device to your PC wirelessly.

Notes:

- The UoIP driver (found on the USB token) must be installed first before using this feature.
- The UoIP driver supports standard Win7/8 compatible HID touch devices.
- The front two USB ports do not support UoIP feature.

Advanced Screen Capture

Allows the user to see the layered windows on the connected display. Note: The mouse cursor may blink from time to time when the PC screen is displayed in this mode.

Advanced Screen Capture disabled:



Advanced Screen Capture enabled:



Send Audio to Display

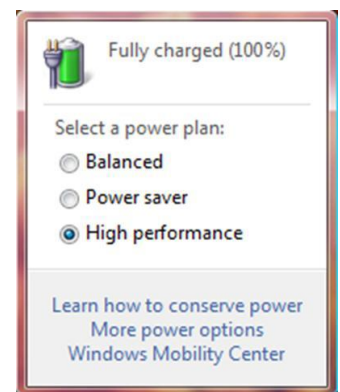
Bridges the audio to your display device, and mutes the local speaker. Audio is restored when the application closes.

Note: For Windows XP only: If you cannot hear the audio, the VAC Setup application (located on the USB token) must be installed on your computer.

Auto Power Management

To optimize projection performance, the LiteShow4 DB+ application will automatically turn the computer's Windows power management settings to **High performance** when the LiteShow4 DB+ Application is enabled.

Note: When the LiteShow4 DB+ application is disabled, the computer's power management settings are unchanged.



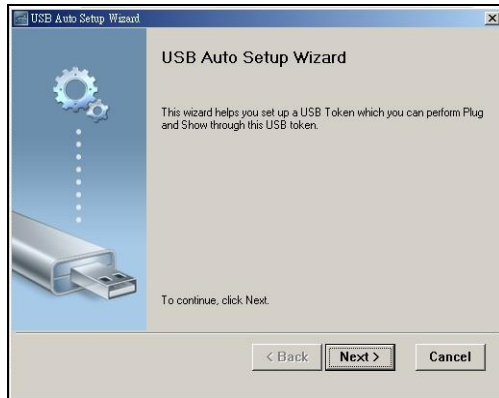
Auto WiFi Connect

When Auto WiFi Connect is enabled, the LiteShow4 DB+ application will search out and list all available wireless networks and automatically switch to the selected network before searching for available LiteShow4 DB+ modules. (Selecting **Skip**, when Auto WiFi is selected, will not modify the computer's existing network connection.)

When Auto WiFi Connect is disabled, the LiteShow4 DB+ application will only search the computer's existing network connection for LiteShow4 DB+ modules.

Make USB PnS token

Creates a duplicate USB LiteShow4 DB+ token. You can insert a USB thumb drive and follow the Setup Wizard to make the token. Users can execute the LiteShow4 DB+ application directly from the token, avoiding the need for guests to install the application.

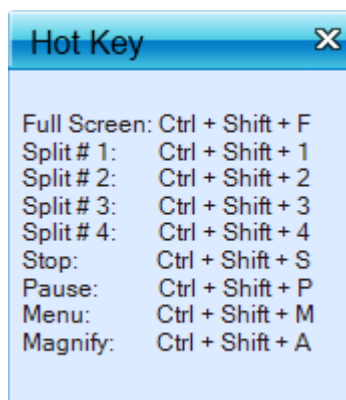


Copy Application to Desktop

Copies the LiteShow4 DB+ application to your desktop. Administrator rights on your computer are not required.

Hot Key

Displays a list of available Hot Keys.



About

Displays system information, including the client version, IP address and login code.

Exit

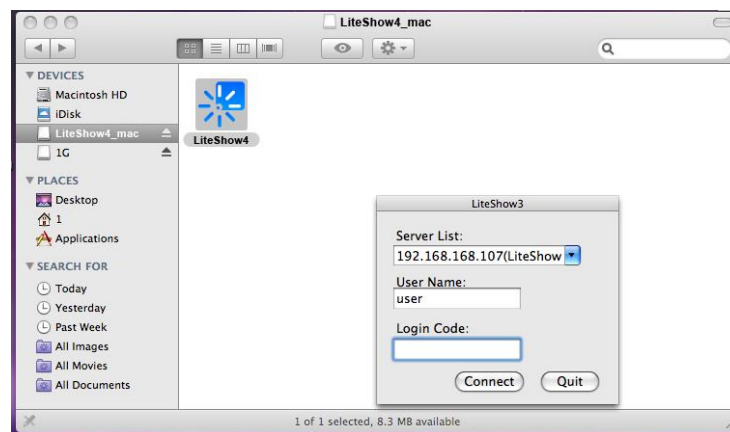
Closes and exits the LiteShow4 DB+ application. Projection stops immediately.



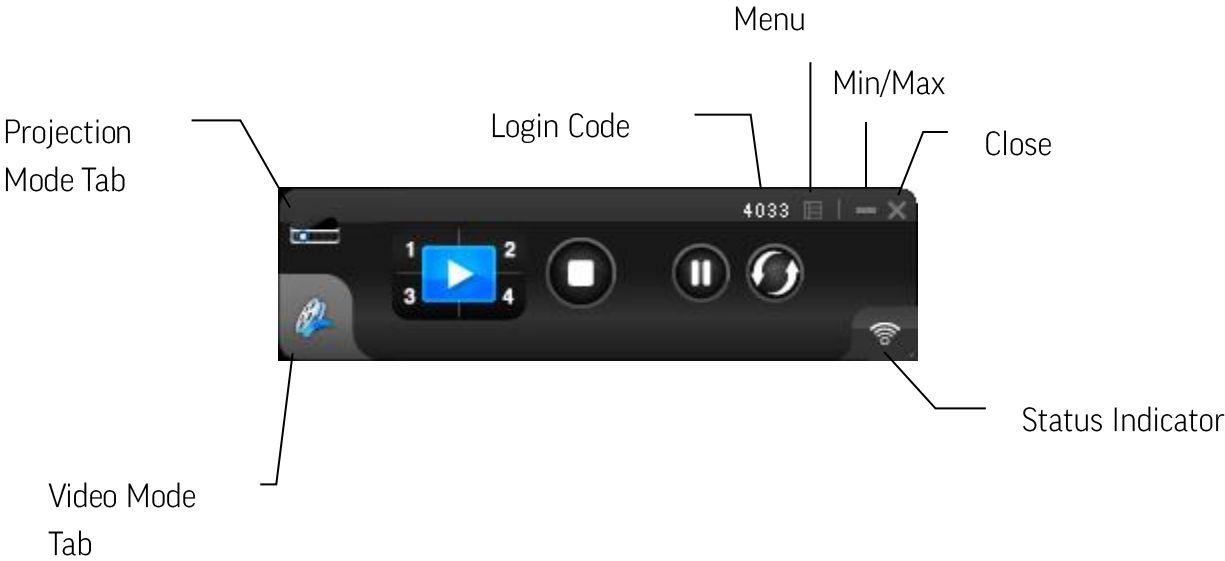
Mac Client Utility

Launch Application

- 1) Click the LiteShow4 DB+ shortcut.
- 2) Select the network you want to project over, and then the LiteShow4 DB+ module you wish to use.
- 3) If the LiteShow4 DB+ module is found, a Login Code dialog box is displayed on your projector.
- 4) Enter the **Login Code** visible on the projector and click **Connect**. LiteShow4 DB+ automatically begins displaying your computer screen to the connected projector.



Application Control Panel



Projection Mode Tab



Projection Mode Controls	
	Full Screen projection
	Project to Quadrant #1
	Project to Quadrant #2
	Project to Quadrant #3
	Project to Quadrant #4
	Stop projecting
	Pause projecting
	Refresh projection

Video Mode Tab



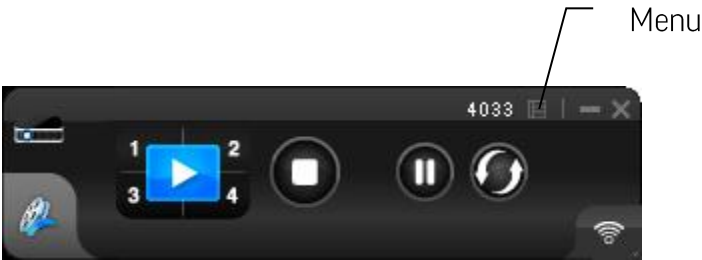
Video Mode Controls		
		Start playing video/music
		Stop playing video/music
		Open video/music file
		Mute
		Volume level
		Progress bar

Video Mode Notes:

Supported formats include: MPEG1/2, DivX(3.4.5), XviD(MPEG4), H.264, WMV9, MP3, WMA.

For higher quality video or music playback, stream the files from your computer to the LiteShow4 DB+ module. Decompression, buffering, and video processing all take place in the LiteShow4 DB+ module reducing the load on your computer and network. Click the **Video Mode** tab to switch to video mode. Choose a video/audio file to begin playback.

Menu Functions



When you click the Menu button shown above, this additional menu window will appear:

Show Receiver Information

Displays the receiver information, such as the WiFi name, IP address, and code in the upper-left corner of the desktop for 30 seconds.

Web Admin...

Opens the Web Management login page. See the [Web Management](#) section for more information.

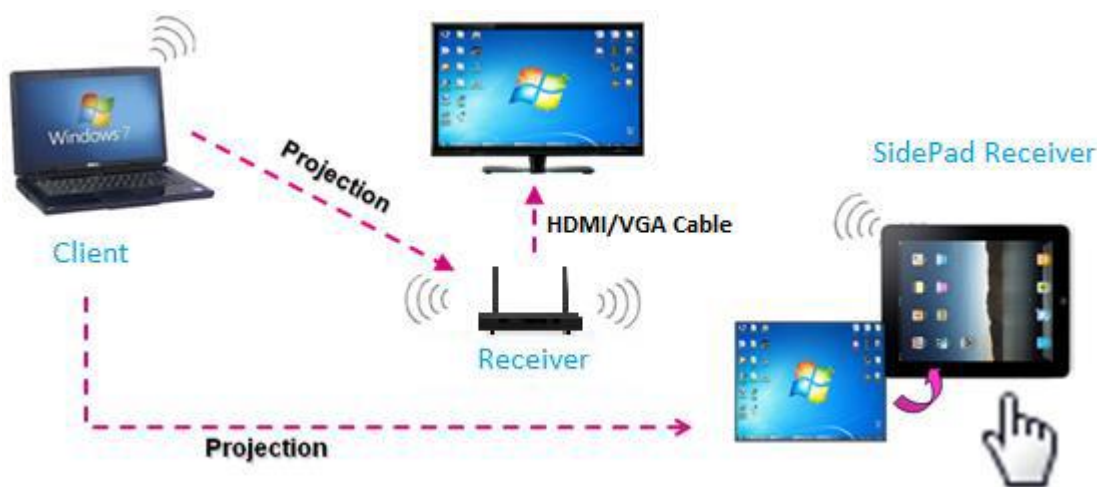
Search Receiver Device

Disconnects the current receiver and searches for the receiver again.

Show Receiver Information
Web Admin...
Search Receiver Device
Launch SidePad
Enable WebSlides
Select Projection Desktop ▶
Projection Quality ▶
Projection Mode ▶
Resolution Setting ▶
Projection Aspect Ratio ▶
✓ Auto WiFi Connect
✓ Send Audio to Display
Hot Key
About
Exit

Launch SidePad

SidePad is an application that allows users to connect iPads/Smartphones (Android and iOS), PCs, and displays/projectors via the LiteShow4 DB+ device. The user can then control the projecting PC via the iPad/Smartphone. See the illustration below.



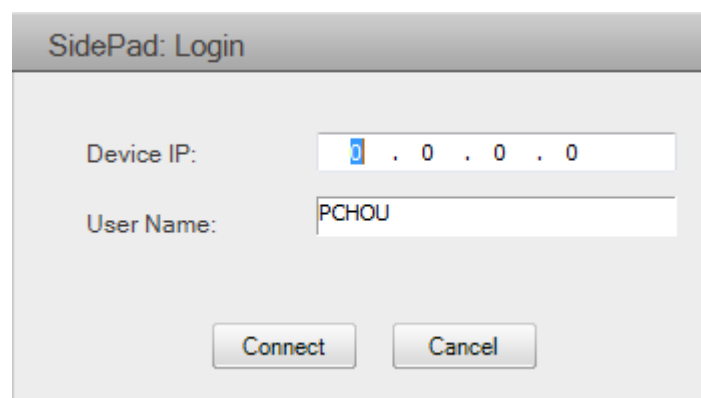
- 1) Download the software application:
For iOS: Download **SidePad Receiver** from the Apple Store.
For Android: Download **SidePad Receiver** from the Google Play Store.
- 2) Connect your iOS/Android device to the LiteShow4 DB+ device through WiFi and launch **SidePad Receiver**.



- 3) Click **Launch SidePad** from the menu. In a few seconds, the PC desktop will display on the iOS/Android device. You can now control the PC from your iOS/Android device.



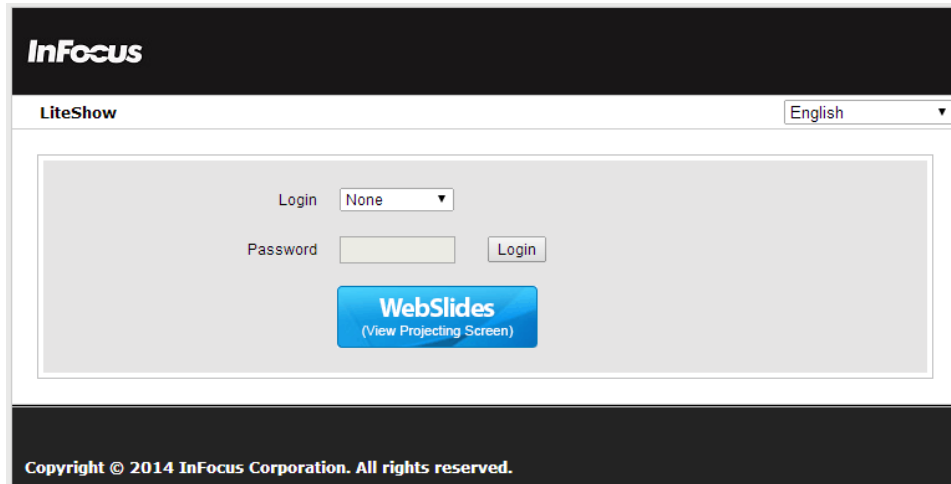
- 4) If your device is not detected, the **SidePad Login** window displays:

The image shows a 'SidePad: Login' dialog box. It has a title bar with the text 'SidePad: Login'. Inside, there are two input fields: 'Device IP:' with a text box containing '1 . 0 . 0 . 0' and 'User Name:' with a text box containing 'PCHOU'. At the bottom, there are two buttons: 'Connect' and 'Cancel'.

Enable WebSlides

WebSlides allows users to broadcast their presentation to up to 64 users simultaneously. Note: WebSlides is not available when QuadView is in use.

- 1) **Presenter:** Make sure your PC/Mac is connected to LiteShow4 and click **Launch WebSlides**.
- 2) **Audience:**
 - a. Connect to the LiteShow4 WiFi Network shown on the projector.
 - b. Launch your web browser and enter the LiteShow4 IP address.



- c. Click the **WebSlides** button.
- 3) Start to receive the presenter's slides. The below image can be seen on the audience's browser.



- 4) Use the toolbar to pause, save, change the aspect ratio, expand, and refresh the presentation window.

Notes:

- WebSlides users and users logged into LiteShow4 both consume wireless bandwidth. If more than 10 users are logged into LiteShow4, we recommend connecting LiteShow4 to the company network using Ethernet or a router to ensure best performance.
- We also recommend that Webslides users do not exceed the recommended number specified on the Web Management page.
- Wireless Projection function and Conference Control function can support up to 64 users.

Select Projection Desktop

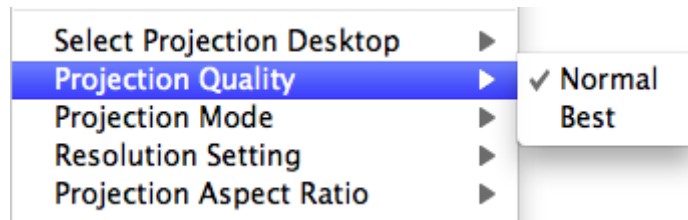
Allows you to project the main screen or the extended screen.

Notes:

- Only Mac 10.7 and above are supported.
- To use the extended screen, install the SVS extended screen driver from the USB token.

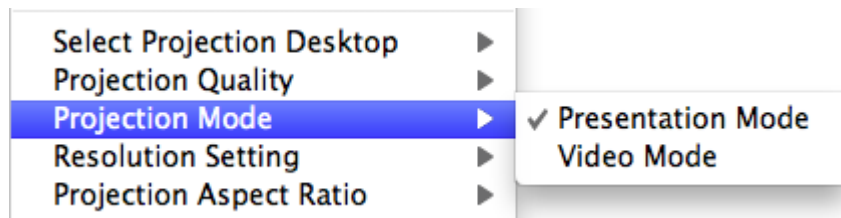
Projection Quality

Allows you to toggle between **Normal** (faster performance and lower image quality) and **Best** (better image quality and slower performance).



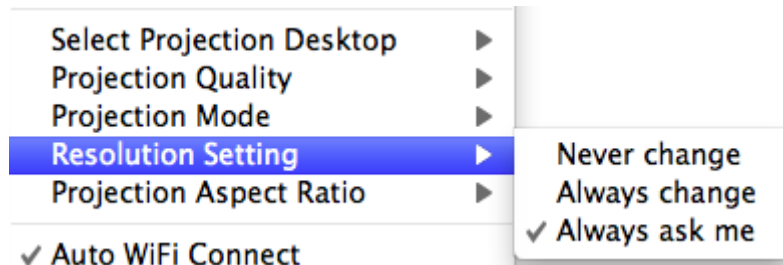
Projection Mode

Allows you to toggle between **Presentation** mode (shortest latency) and **Video** mode (better video performance).



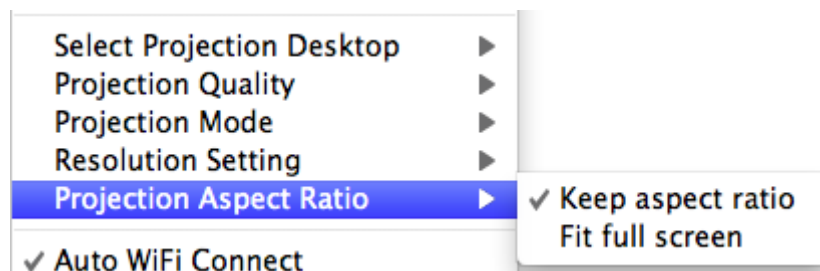
Resolution Setting

Allows you to toggle between **Never Change** (keeps the original desktop resolution), **Always Change** (automatically changes the resolution to match the application's recommended settings), or **Always ask me** (prompts the user to change).



Projection Aspect Ratio

Allows you to toggle between **Keep aspect ratio** (keep the original aspect ratio if the desktop resolution is different than the LiteShow4 resolution), and **Fit full screen** (adjusts the image to project full screen).



Auto WiFi Connect

When Auto WiFi Connect is enabled, the LiteShow4 DB+ application will search out and list all available wireless networks and automatically switch to the selected network before searching for available LiteShow4 DB+ modules. (Selecting **Skip** when Auto WiFi is selected, will not modify the computer's existing network connection.)

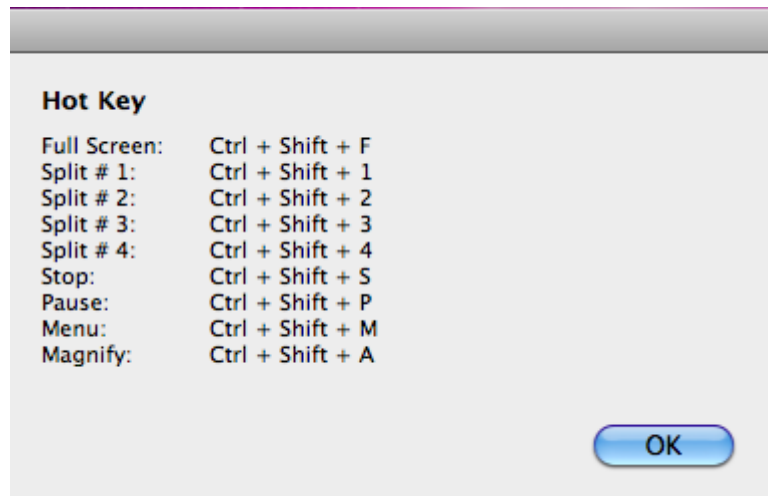
When Auto WiFi Connect is disabled, the LiteShow4 DB+ application will only search the computer's existing network connection for LiteShow4 DB+ modules.

Send Audio to Display

Bridges the audio to your display device, and mutes the local speaker. Audio is restored when the application closes.

Hot Key

Displays a list of available Hot Keys.



About

Displays system information, including the client version, IP address and login code.

Exit

Closes and exits the LiteShow4 DB+ application. Projection stops immediately.

Web Management

Home Page

- 1) Ensure your computer has successfully connected to LiteShow4 DB+.
- 2) Open your web browser. It should automatically open to the LiteShow4 DB+ home page. If not, enter the IP address shown on the projector screen in your browser window. The default IP is “192.168.100.10.”
- 3) At the LiteShow4 DB+ login screen, choose your desired language from the drop-down, and enter one of the following combinations to access associated LiteShow4 DB+ menus:

Login	Default Password	Menu Options
None	Not applicable – No password required	Download System Status
Basic User	basic	Download System Status Conference Control
Admin User	admin	Download System Status Conference Control Admin Menu

Note: If the default password listed above does not work, contact your IT administrator.

Download

Available to all users, regardless of which login is used.



- 1) From the **Download** window, select the appropriate client software that corresponds to your operating system, and click **Download** to start the installation program.
- 2) Follow the Installation Wizard instructions.
Note: If a **Windows Security Alert** window displays, click **Unblock** to continue installation.
- 3) Once installation is complete, a LiteShow4 DB+ shortcut will appear on your desktop.

Note to System Administrators: If you save the "LiteShow4.exe" installation file to an accessible folder, you can invoke it in a script as "LiteShow4.exe /VERYSILENT." This causes LiteShow4 DB+ to install without prompts and silently terminate without launching LiteShow4 DB+ at the end of the installation process.

System Status

Available to all users regardless of which login is used. This page displays a variety of network-related information, including the IP address of LiteShow, whether it is currently projecting, and how many users are currently connected to the device.

InFocus

LiteShow > System Status

Logout

Download

System Status

Conference Control

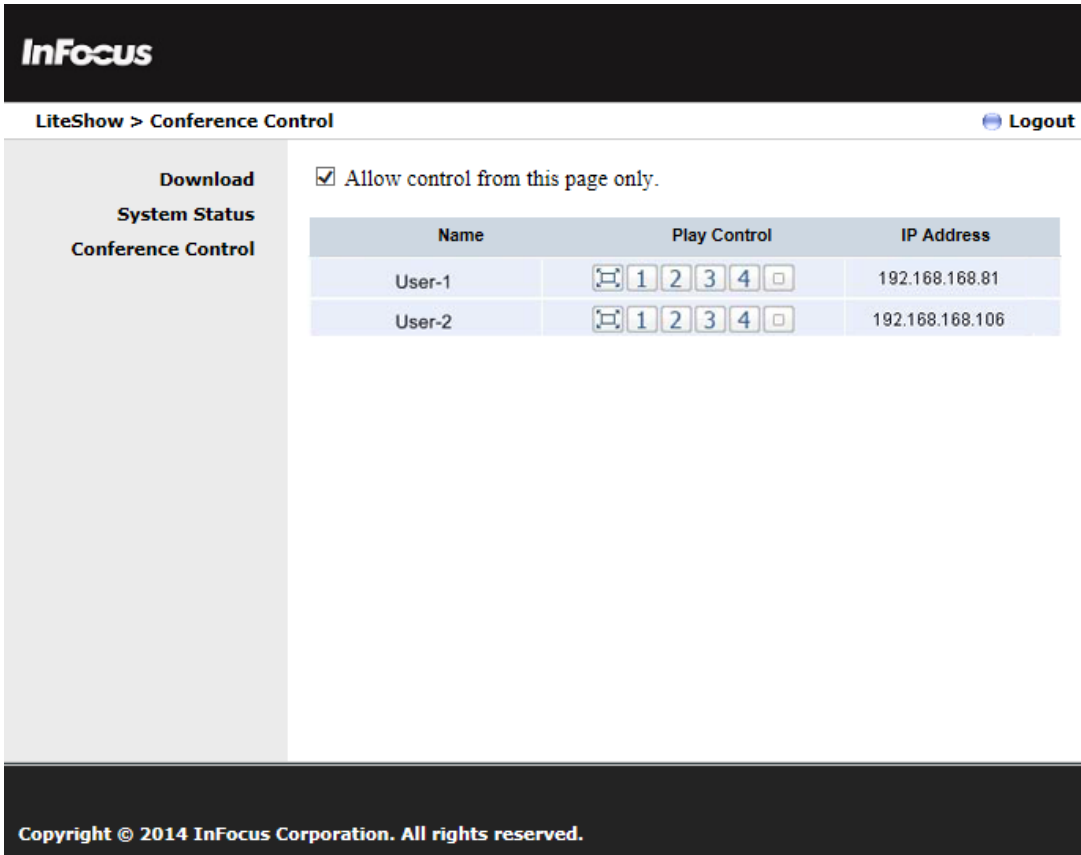
Admin

Model Name	LiteShow
Versions	
Firmware Version	1.0.0.3
Network Status	
IP Address	192.168.100.10
Subnet Mask	255.255.255.0
Default Gateway	192.168.100.10
Wireless MAC Address	00:12:5F:0B:1F:52
Wire MAC Address	00:12:5F:12:37:89
Connection Status	
Projecting Status	Waiting for Projecting
Total Users	0
Code	2414

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Conference Control

Available only to users logged in as either Basic or Admin Users. Conference Control allows you to easily change presenters and to display up to four presentations at one time.



To allow users to project freely: Uncheck the Allow control from this page only box.

To change presenters: Review the available presenters listed under Name and click the Play Control options associated with the desired presenter.

To enable QuadView: Review the available presenters listed under Name and click 1, 2, 3 or 4 in the Play Control options list.

Play Control Options	
	Full-screen presentation
	Displays presentation in Quadrant #1
	Displays presentation in Quadrant #2
	Displays presentation in Quadrant #3
	Displays presentation in Quadrant #4
	Stops presentation

Admin

Available only to users logged in as Admin Users. Clicking on Admin provides additional administrative options.

Device Setup

Allows you to select the input type, the projector's resolution, and IWB USB port, and disable, randomize or apply a static Login Code.

The screenshot shows the InFocus LiteShow Admin interface. At the top is the InFocus logo. Below it is a breadcrumb trail: LiteShow > Admin > Device Setup. In the top right corner is a Logout button. On the left is a sidebar menu with the following items: Device Setup (highlighted in blue), Network Setup, OSD Setup, Change Passwords, Reset to Default, Firmware Upgrade, WebSlides Setup, and a Reboot System button with a red power icon. The main content area is titled 'Device Setup' and contains the following settings:

Device Setup	☒ VGA ☐ HDMI	Resolution XGA (1024X768) ▼
	Code	☐ Disable ☒ Random ☐ Use the following code (0-9)
	IWB USB Port	☒ IWB (HID) ☐ Mouse / Keyboard

At the bottom right of the settings area are 'Apply' and 'Cancel' buttons. At the very bottom of the page is a copyright notice: Copyright © 2014 InFocus Corporation. All rights reserved.

Network Setup

By default, the LiteShow4 DB+ device is a DHCP client. When the LiteShow4 DB+ module is connected to a LAN that already has a DHCP server present, the LiteShow4 DB+ module takes an IP address assigned to it by the server. When the LiteShow4 DB+ module is connected to a LAN that does not have a DHCP server, the LiteShow4 DB+ module becomes the DHCP server in the network.

InFocus

LiteShow > Admin > Network Setup

Logout

Device Setup

Network Setup

OSD Setup

Change Passwords

Reset to Default

Firmware Upgrade

WebSlides Setup

Reboot System

IP Setup

DHCP Server Setup

Wireless Setup

Ap Client

GateKeeper

SNMP

Obtain an IP address automatically

Use the following IP address

IP Address

192

168

100

10

Subnet Mask

255

255

255

0

Default Gateway

192

168

100

10

DNS Server

192

168

100

10

Auto

Disable

Start IP

192

168

100

11

End IP

192

168

100

254

Subnet Mask

255

255

255

0

Default Gateway

192

168

100

10

DNS Server

192

168

100

10

Wireless LAN

Enable

Disable

Embedded AP SSID/ NAME

LiteShow4DB

SSID Broadcast

Enable

Disable

Band

2.4 GHz

5 GHz

802.11mode

2.4G B/G/N mixed

Channel

Auto

Encryption

Disable

Key

Hide characters

Channel Bandwidth

20MHz

Auto

Connect to Existing AP

Enable

Disable

Existing AP SSID

InFocus

Scan

Encryption

WPA2 AES

Key

Hide characters

GateKeeper

All Pass

All Block

Internet Only

SNMP

Enable

Disable

Apply

Cancel

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IP Setup

You can select Obtain IP address automatically or Use the following IP address.

IP Address: The default value is 192.168.100.10.

Subnet Mask: The default value is 255.255.255.0

Default Gateway: The default value is 192.168.100.10

DNS Server: Enter the values for your network

DHCP Server Setup

Enable or disable the DHCP server automatically, or disable it altogether.

Start IP: The start IP address of DHCP Server.

End IP: The end IP address of DHCP Server.

Subnet Mask: Enter the values for your network

Default Gateway: Enter the values for your network

DNS Server: Enter the values for your network

Wireless Setup

Wireless LAN: “Enable” or “Disable” the Wireless LAN.

Embedded AP SSID/Name: Type the device name.

SSID Broadcast: “Enable” or “Disable” SSID Broadcast

Band: Select 2.4G or 5G

802.11 mode: Select wireless protocol. B/G/N mixed, B only, G only, N only, B/G mixed, G/N mixed for 2.4GHz and A/N mix, A only, N only for 5GHz

Channel: You can set fixed channel or choose Auto. After powering on the LiteShow, choosing “Auto” will scan all wireless channels and select one clear channel automatically.

Encryption: Disable or select encryption (WEP/WPA/WPA2/WPA Enterprise/WPA2 Enterprise) 64-bit or 128-bit in ASCII or HEX string).

Key: Input key for WiFi encryption

Channel Bandwidth: 20MHz or Auto

AP Setup

The AP Setup feature allows LiteShow4 DB+ to connect to the corporate network as a wireless client rather than through the RJ45 wired connection.

Connect to Existing AP: To setup LiteShow4 DB+ as a wireless client, choose “Enable.” Note: Enabling the Wireless Client will disable both the wired RJ45 connection and Gatekeeper (Gatekeeper will be set to “All Pass”). Disabling the Wireless Client will restore the RJ45 wired connection.

Existing AP SSID: the SSID string of the corporate wireless LAN (maximum length 32 bytes; no spaces).

Encryption: the encryption method required to access the corporate wireless LAN (WEP/WPA/WPA2 64-bit or 128-bit in ASCII or HEX string).

Key: the value required to access the corporate wireless LAN. Used only when Encryption is enabled.

Gatekeeper

Designed to ensure enterprise network security.

All Pass: allows Guest Users connected through a wireless connection to access the office network (LAN).

All Block: prevents Guest Users connected through a wireless connection from accessing the office network (LAN).

Internet Only: prevents Guest Users from accessing the office network (LAN), but still allows internet traffic (browser packets i.e. port 80, 443) to pass through.

SNMP

Allows you to enable or disable SNMP services.

OSD Setup

Allows you to customize LiteShow4 DB+ standby image with a personal image and/or restore the original standby image. In addition, you can control how the device information and screen saver is displayed.

Change Passwords

Allows you to reset the passwords for Basic User and/or Admin User.

InFocus

LiteShow > Admin > Change Passwords Logout

Device Setup

Network Setup

OSD Setup

Change Passwords

Reset to Default

Firmware Upgrade

WebSlides Setup

 Reboot System

Basic User

Enter New Password		Apply
Confirm New Password		

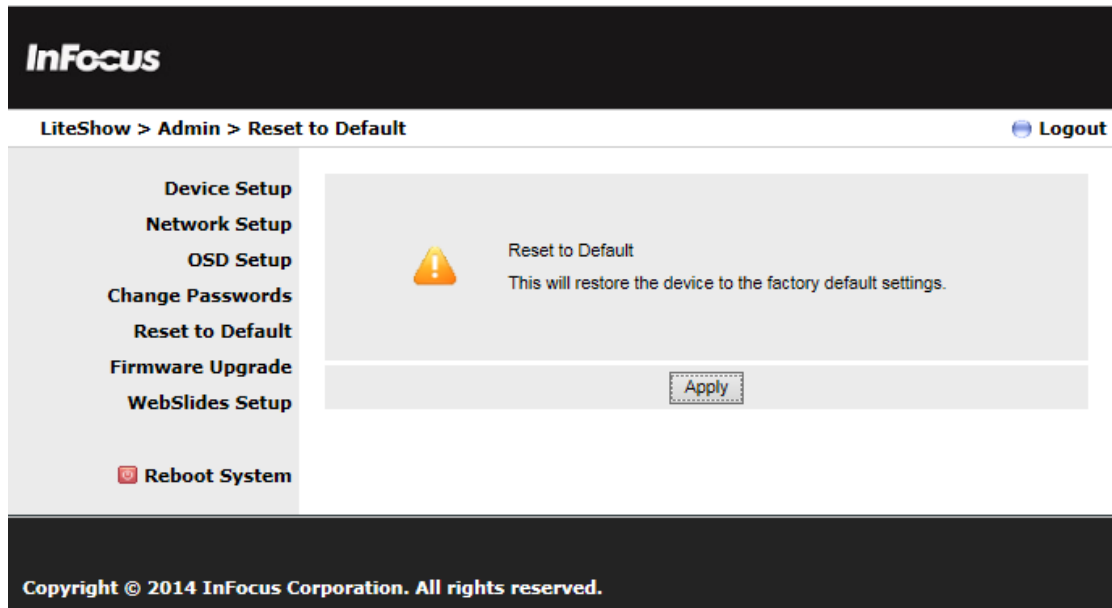
Admin User

Enter New Password		Apply
Confirm New Password		

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Reset to Default

Restores LiteShow4 DB+ to factory default settings.



Alternatively, factory default settings can also be restored as follows:

- 1) Turn off the LiteShow4 DB+ module.
- 2) Press and hold the **Reset** button on the bottom of the LiteShow4 DB+ module.
- 3) Turn on the LiteShow4 DB+ module.
- 4) Wait for at least 10 seconds and release the **Reset** button.
- 5) Factory default settings should be restored.

Firmware Upgrade

Used for upgrading the LiteShow4 DB+ firmware and for importing and exporting configuration settings (this is helpful when multiple LiteShow4 DB+ devices are being configured).

The screenshot shows the InFocus LiteShow Admin interface. The top navigation bar includes the InFocus logo, the breadcrumb 'LiteShow > Admin > Firmware Upgrade', and a 'Logout' link. A left-hand menu lists various setup options: Device Setup, Network Setup, OSD Setup, Change Passwords, Reset to Default, Firmware Upgrade (which is highlighted), WebSlides Setup, and Reboot System. The main content area is titled 'System Configuration' and contains several sections. The first section allows for exporting and importing system configuration files, with 'Export' and 'Import' buttons. The second section displays the current 'Firmware Version' as 1.0.0.3 and the 'Release Date' as 20140804. The third section contains a warning message: 'Please stop the projection function first before you apply the Upgrade button!!'. Below this, there is a 'File Name' input field with a 'Browse...' button, and an 'Upgrade' button at the bottom.

To update your LiteShow4 DB+ firmware:

- 1) Connect the LiteShow4 DB+ device to your network RJ45 connector before updating. (Do not update wirelessly.)
- 2) Download the latest firmware image file (*.awd) from the InFocus support site (www.infocus.com/support) to your computer.
- 3) Choose **Firmware Upgrade** from the left-hand menu.
- 4) Click **Browse** and open the firmware image file you previously downloaded to your computer.
- 5) Click **Upgrade**. **Note:** This process will take several minutes.
- 6) After a message appears stating the update has been successful, click **OK** and begin using LiteShow.

WebSlides Setup

Allows you to adjust the Auto Refresh Interval and Access Password Control.

InFocus

LiteShow > Admin > WebSlides Setup

Logout

Device Setup

Network Setup

OSD Setup

Change Passwords

Reset to Default

Firmware Upgrade

WebSlides Setup

Reboot System

Auto Refresh Interval (second)

Access Password Control

Note

If there are more than 10 users logged into LiteShow, it is recommended to connect LiteShow to company network through Ethernet or bridge LiteShow to a router due to wireless bandwidth concern. User should connect LiteShow via company network or router in order to secure the projection performance.

Manual Refresh

10

*recommended maximum concurrent users. (10)

20

*recommended maximum concurrent users. (15)

30

*recommended maximum concurrent users. (20)

45

*recommended maximum concurrent users. (25)

60

*recommended maximum concurrent users. (30)

90

*recommended maximum concurrent users. (35)

Disable

Use the same password as "Code"

Use the following Code:

(0-9)

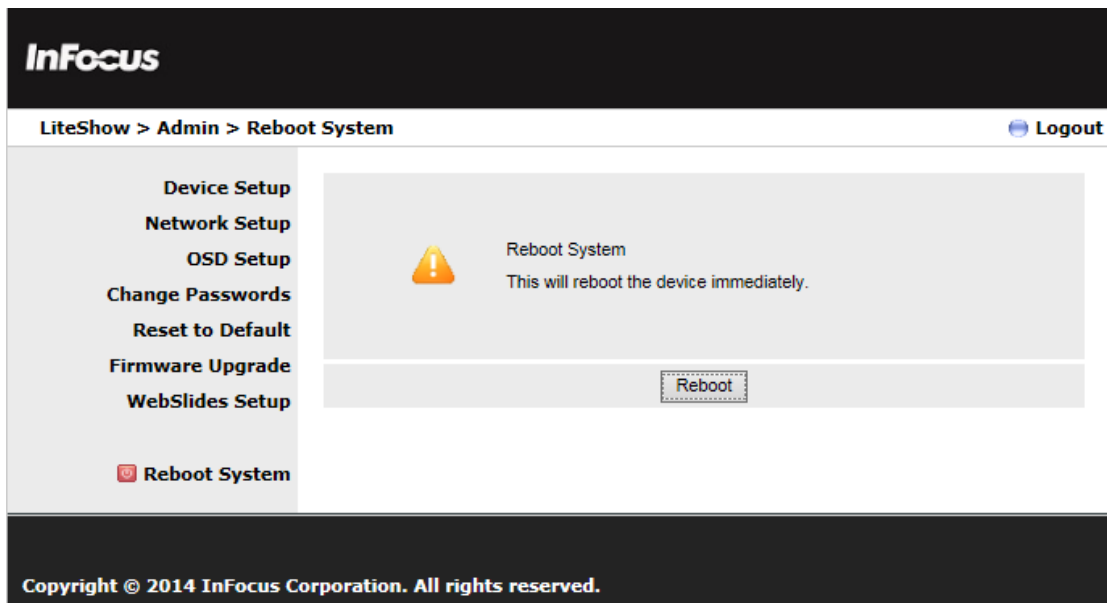
Apply

Cancel

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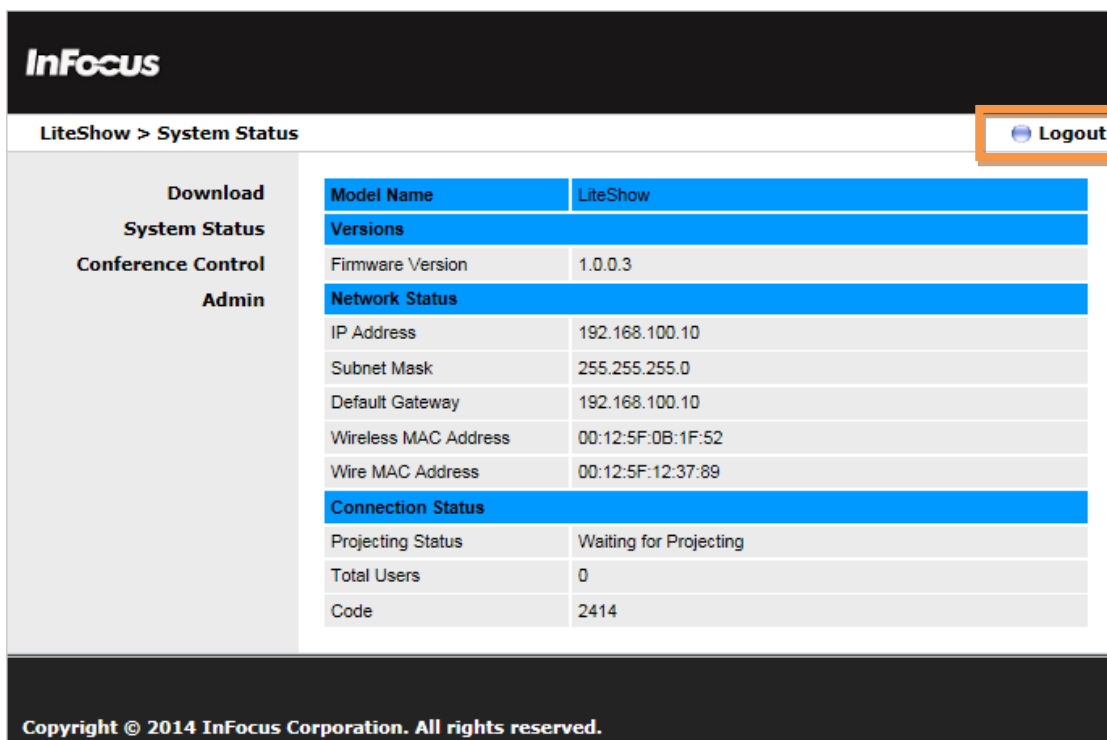
Reboot

Restarts the LiteShow4 DB+ system.



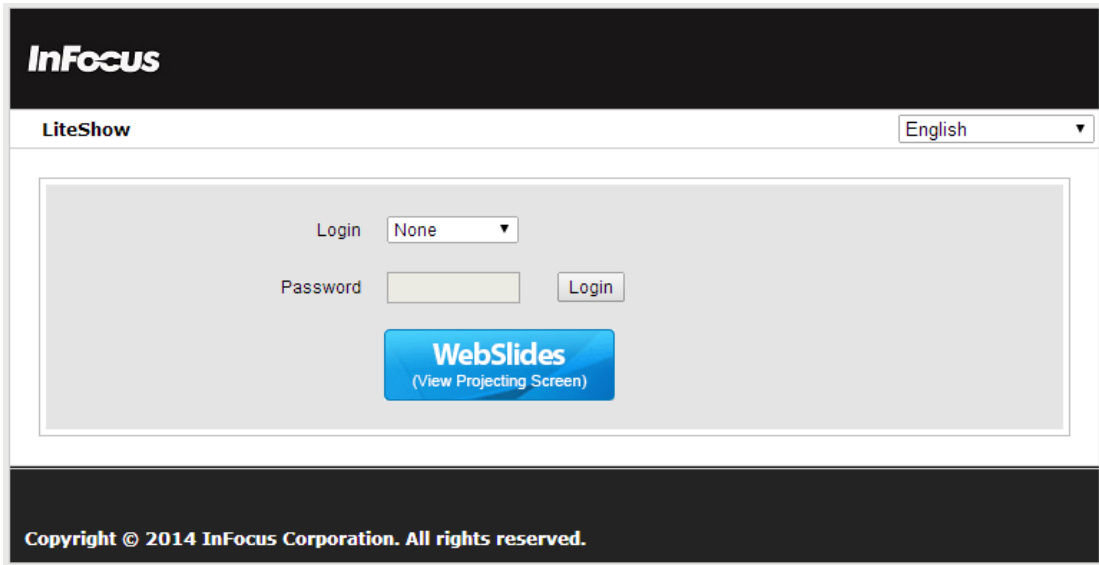
Logout

Exits the LiteShow4 DB+ web page.



Start WebSlides

Click the **WebSlides** button to start the WebSlides feature. See the [Launch WebSlides](#) section for more information.



The screenshot shows the InFocus LiteShow interface. At the top is a black header with the InFocus logo. Below it is a white bar with "LiteShow" on the left and a language dropdown menu set to "English" on the right. The main content area is a light gray rectangle containing a login form. The login form has a "Login" label next to a dropdown menu currently showing "None", a "Password" label next to a text input field, and a "Login" button. Below the login fields is a large blue button labeled "WebSlides" with the text "(View Projecting Screen)" underneath it. At the bottom of the interface is a black footer bar with the text "Copyright © 2014 InFocus Corporation. All rights reserved."

Airplay

Using Airplay

The LiteShow4 DB+ is compatible with AirPlay, allowing for full-screen casting from iOS and OSX devices. To use Airplay, follow these steps:

- 1) Connect to LiteShow4 DB+ SSID with iOS or OSX device. (User must be connected directly to SSID to use AirPlay. This option not available through other network connections)
- 2) Go to AirPlay options on your iOS or OSX device.
- 3) Select the LiteShow4 DB+ from the list.
- 4) If there is a Login Code required by the LiteShow, enter it when prompted.
- 5) To disconnect, end AirPlay session from your iOS or OSX device.

Airplay Access Security

The AirPlay feature on the LiteShow4 DB+ is always on; however, you can end an AirPlay session on the LiteShow4 DB+ via the Conference Controls in the Web Admin page, just like any other participant.

AirPlay sessions are also blocked from initiating, when “Allow control from this page only” is selected in Conference Controls.

Appendix A: LiteShow4 DB+ Port Map

LiteShow4 DB+ uses the following ports for network traffic. It may be necessary for the network administrator to configure the network to pass broadcast packets on ports 1047, 1048, and 1049 to enable the LiteShow4 DB+ application to correctly discover LiteShow4 DB+ modules on a complex network.

Usage	Port#		
TCP	Command	443	Both
		3268	Both
		389	Both
	Data	8080	Both
		31865	Both
		515	Both
	Audio	1688	Both
	Video	1041	Both
	DLNA	2869	Both
		49152	Both
		49153	Both
	Activation function	8000	Both
UDP	Device Discovery	1047	Inbound
		1048	Inbound
		1049	Inbound
	DLNA	1900	Both
		50000~65000	Both
TCP	UoIP	3240	Both
	Conference control	6000	Both
UDP	Device Discovery	1047	Inbound
		1048	Inbound
		1049	Inbound
	NetBIOS name service	137	Both
		138	Both
	SNMP	161	Both

Appendix B: Configuring LiteShow4 DB+ for Specific

Environments

Profiles and Menu Options allow the user/administrator to customize LiteShow4 DB+ startup behavior for particular situations. Here are some examples:

PC always connects to the same display

Create and save a profile for the display. Turn on Auto Profile Connect. Turn off Auto WiFi Connect, if you will access the display over your normal network connection. Use Auto Change PC Resolution to set a default action and avoid repetitive startup prompts.

PC connect to a limited number of displays

Create and save a profile for each display – use a descriptive name for each profile. Turn off Auto WiFi Connect, if you will access the display over your normal network connection. Use Auto Change PC Resolution to set a default action and avoid repetitive startup prompts.

Running LiteShow4 DB+ on a PC where System Folders are locked down by IT

Run LiteShow4 DB+ from the USB token. From the LiteShow4 DB+menu, select Copy Application to Desktop. Place the resulting LiteShow4 folder anywhere in your Documents folder structure and put a link to the LiteShow4.exe program somewhere easy to find. Then run LiteShow4 DB+ from that folder and configure it normally – LiteShow4 DB+ will store and use configuration information in the startup folder when it is not installed in the System Program Files structure.

Locking a USB token to a specific Display

When you run LiteShow4 DB+ from a USB token, it will store and use configuration information in the startup folder on the USB token. To create a token locked to a specific display, run LiteShow4 DB+ from the token and follow the same steps as above for “PC always connects to the same display.” Network connect configuration will be stored on the token and applied at startup. Separate tokens can be configured for employees and guests to reflect appropriate connection strategies as defined by the administrator.

Rolling out Custom Configurations to Large Installs

Rollout using a script which invokes “LiteShow4.exe /VERYSILENT” to cause LiteShow4 DB+to install without prompts and exit after install is complete. Use the same script to distribute custom wps.ini (configuration) and profile.ini (saved profiles) into the <User>\Appdata\LiteShow4 folder. Both .ini files are simple text files. Username in profile.ini, for example, can be customized by the rollout script.