Mini-Connect
Ethernet to USB
Installation & Operation Guide

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AJA VIDEO SYSTEMS

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Contacting Support

When calling for support, have all information at hand prior to calling. To contact AJA for sales or support, use any of the following methods:

Telephone: +1.530.271.3190

FAX: +1.530.271.3140

Web: http://www.aja.com

Support Email: support@aja.com

Sales Email: sales@aja.com

Chapter 1: Introduction

Overview

Mini-Connect enables control of up to four AJA ROI USB-enabled Mini-Converters over a single Ethernet connection. Mini-Connect integrates with your existing Ethernet network to provide easy access using any web browser on any platform for easy configuration and control of ROI Mini-Converters anywhere in your facility.

The Mini-Connect product consists of the hardware Mini-Connect, Mini-Connect web server and firmware residing on the Mini-Connect, and AJA's eMini-Setup application that runs on either Windows or Mac OSX.

Mini-Connect serves webpages permitting communications and control via computer over a network. You can access Mini-Converter User Interface screens (similar to those used by AJA's Mini-Config application) to control each of the connected Mini-Converters. The separate eMini-Setup application that runs on either Windows or Mac OS is used to communicate with and configure Mini-Connect directly via USB. The eMini-Setup application does not communicate with down stream Mini-Converters.

Mini-Connect's network configuration (IP address, DHCP, etc.) and firmware updates can be accomplished using either the Ethernet connection or a direct USB connection and AJA's eMini-Setup application. Operational configuration of Mini-Converters connected to Mini-Connect can be controlled via Ethernet, but their firmware cannot be updated via Ethernet.

The eMini-Setup application is only used to setup Mini-Connect, and cannot be used to connect to or setup attached Mini-Converters.

Features

- Control all AJA ROI Mini-Converters. (ROI, ROI-HDMI, ROI-DVI, ROI-DP)
- Control and configure up to four connected Mini-Converters.
- Network settings include static IP address and DHCP.
- Network discovery using Bonjour (Mac OS devices) and Universal Plug and Play (Windows devices)
- Uses universal input +5V power supply AJA model DWP-U-R1 (included)
- 5-year warranty

Computer Requirements

Mini-Connect has been tested to work with the following operating systems:

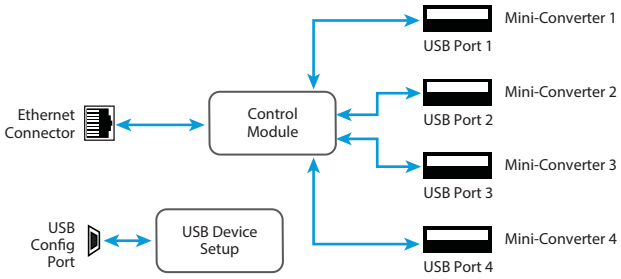
- Windows 7, 8, 10
- Mac OSX 10.10, 10.11

and the following browsers:

- Chrome
- Safari
- Firefox
- Microsoft Edge
- Internet Explorer

Simplified Block Diagram

Figure 1. Mini-Connect Simplified Block Diagram



I/O Connections

Figure 2. Mini-Connect

Ethernet Connector Accepts LAN connection.

READY LED
- Lights green when Mini-Connect is fully powered up and usable over the network.
- Lights amber if Mini-Connect has entered safe-boot recovery mode. In safe-boot mode you can only configure, control, and update Mini-Connect. Attached ROIs will not appear in the WebUI.

USB Configuration Port Accepts USB mini connector for configuration by the eMini-Setup application.

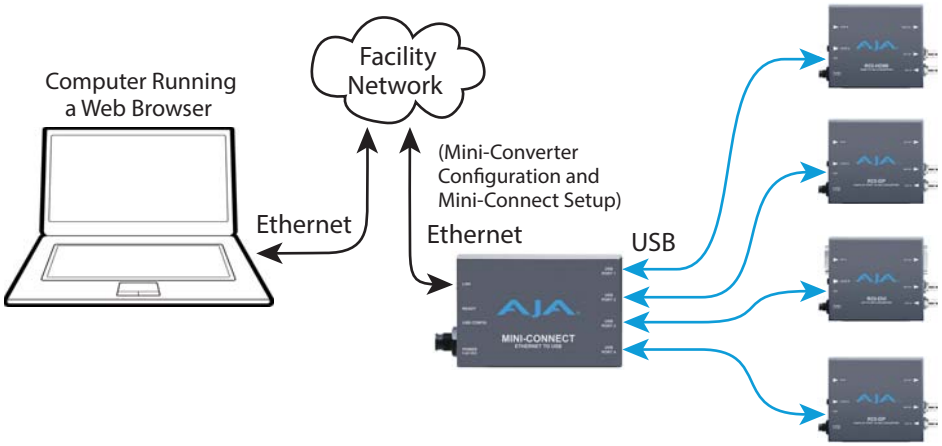
DC Power Input 5-20 VDC power input (AJA model DWP-U-R1 included).

USB Ports 1-4 Standard USB ports for communication to up to four AJA Mini-Converters.

Mini-Connect Configurations

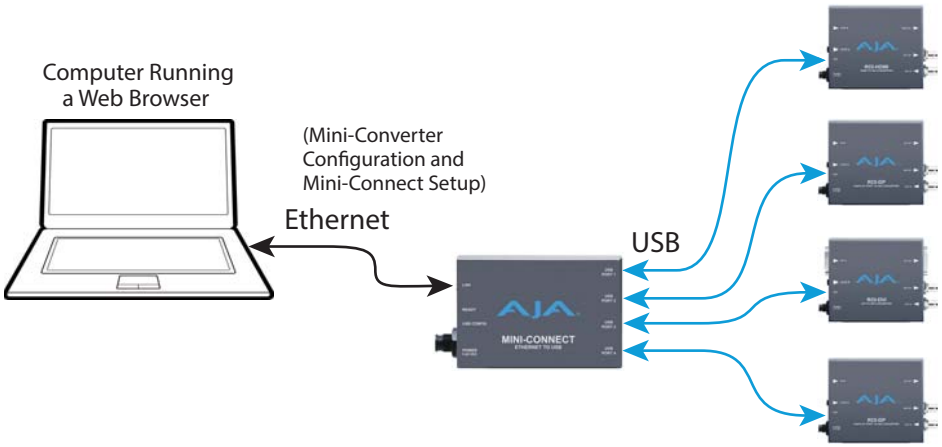
A typical configuration for using Mini-Connect is to connect Mini-Connect to the facility network, connect Mini-Converters to Mini-Connect with USB cabling, and connect a computer running a web browser to the network. This allows configuration of the Mini-Converters over the network, and setup of Mini-Connect via Ethernet (*Figure 3*).

Figure 3. Mini-Connect Example, Ethernet Over Network



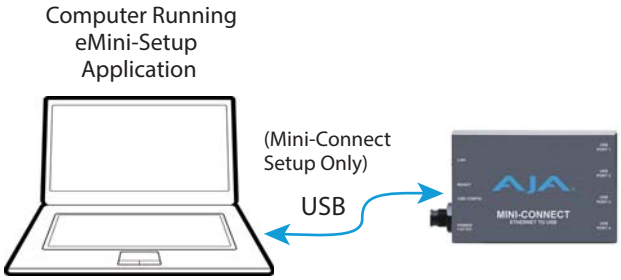
Another configuration for using Mini-Connect is to connect Mini-Connect directly to a computer with just an Ethernet cable. Mini-Connect can then be used to configure all the Mini-Converters, and Mini-Connect can be setup over the network (*Figure 4*).

Figure 4. Mini-Connect Example, Ethernet Only



A third configuration is connecting Mini-Connect to a computer with only a USB cable. Running the eMini-Setup application on the computer permits setting up Mini-Connect, which can be useful for initial network configuration settings (*Figure 5*).

Figure 5. Mini-Connect Example, USB Only



Mini-Connect Installation Overview

Default Operational Settings

Mini-Connect ships from the factory with the following configuration:

- DHCP
- UPnP Enabled
- Bonjour Enabled

This allows easy initial configuration, using DHCP, Universal Plug and Play, or Bonjour.

Network Configuration

DHCP Setup

Mini-Connect ships with DHCP configured. If your facility uses DHCP, you can simply connect a network Ethernet cable to Mini-Connect, power it up, and the DHCP server will assign it an IP address. If you or your IT staff can interrogate the network and determine that assigned IP address, simply typing that address into a browser on a network connected computer will give you access to Mini-Connect.

Connecting with Network Plug and Play on a PC

On a PC running Windows, you can use UPnP to easily access Mini-Connect. For example, in Windows 7 click on Computer, click on Network to open a window, and under Other Devices double-click on aja-miniconnect (default), or the currently assigned name for that specific Mini-Connect.

On Windows 7, UPnP is activated via Control Panel/Network and Internet/Network and Sharing Center/Change advanced sharing settings/Turn On network discovery.

Connecting with Bonjour on Mac

If Bonjour is enabled on your Mac web browser, you can easily access Mini-Connect from that web browser. For Safari, the procedure to use Bonjour is:

1. Choose Safari/Preferences, click Advanced, and then select where you want Bonjour to appear.
2. Click Bonjour in the Favorites bar or Bookmarks menu, and navigate to Mini-Connect's webpage.

Setup Using USB Mini-Connect, like all AJA Mini-Converters, does not have an information display, so you cannot directly see what IP address it has been assigned. If you cannot determine a DHCP assigned IP address, or wish to use a static IP address, you can use eMini-Setup to access and configure Mini-Connect. See *"Chapter 2: eMini-Setup on page 15"* for more information.

Network Screen (Web Browser)

Displayed below the graphic image are the version of firmware currently installed in Mini-Connect, and the factory set unique serial number of your Mini-Connect. If you ever call AJA Support for service, you may be asked for this serial number.

When connected, the default Network screen lets you change and apply network parameters. You must click the Apply button to initiate any IP address changes.

IP Address Type Choose from DHCP or Static IP Address.

IP Address The current IP address is displayed. A different IP address can be entered.

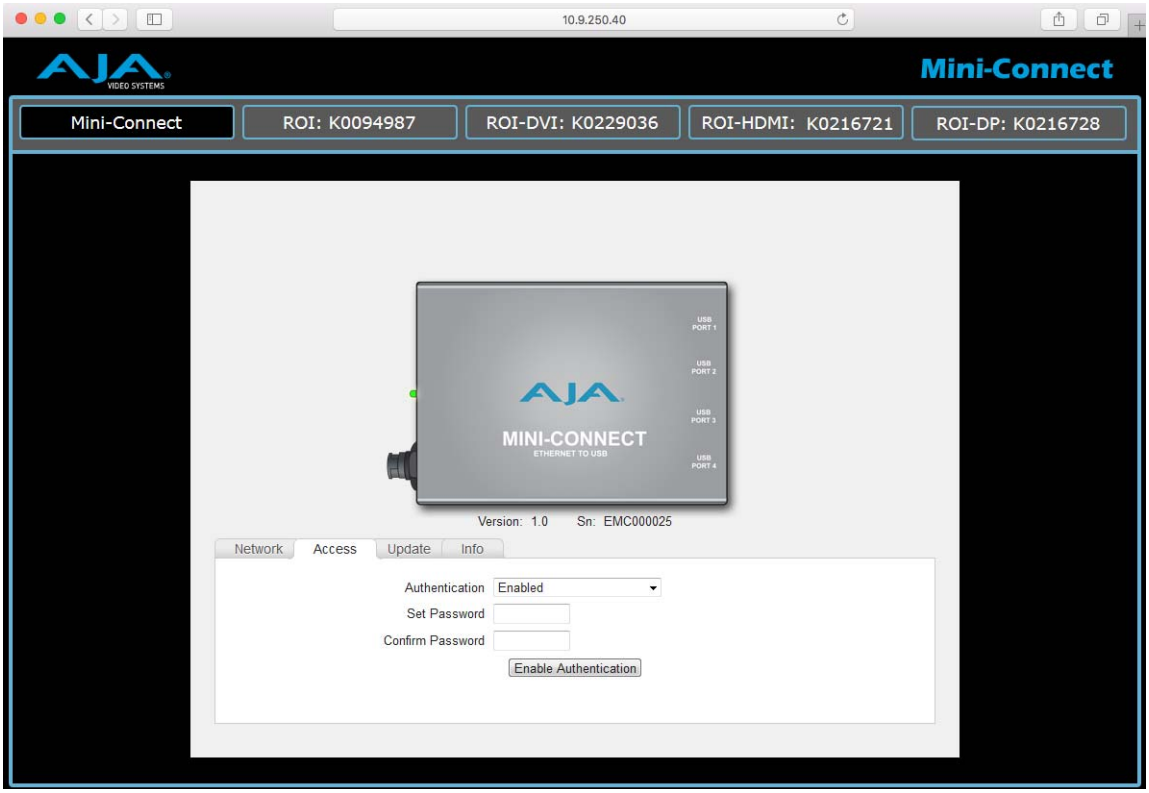
Subnet Mask The current Subnet Mask is displayed. A different netmask can be entered.

Gateway The current Gateway address is displayed. A different IP address can be entered.

UPnP Host Choose from Enable or Disable to control whether Mini-Connect makes itself visible for Windows network browsing

MAC Address: This is the permanent MAC address of Mini-Connect.

Access Screen (Web Browser Only)

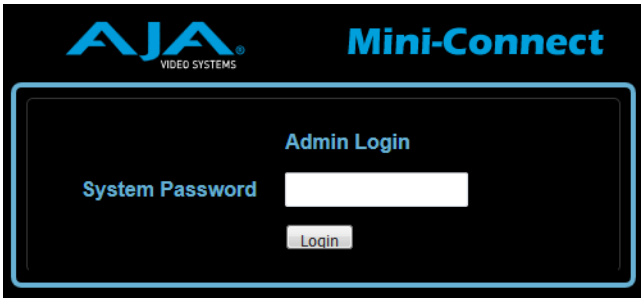


One Mini-Connect screen is available only from the web browser interface. The Access screen permits setting a password for network access to Mini-Connect (and connected Mini-Converters).

Authentication Choose either Disabled (default) or Enabled.

Set & Confirm Password When Enabled is selected, enter and confirm the password to be used for access. Select Disabled to cancel. When Authentication is enabled, a login screen appears on the web browser.

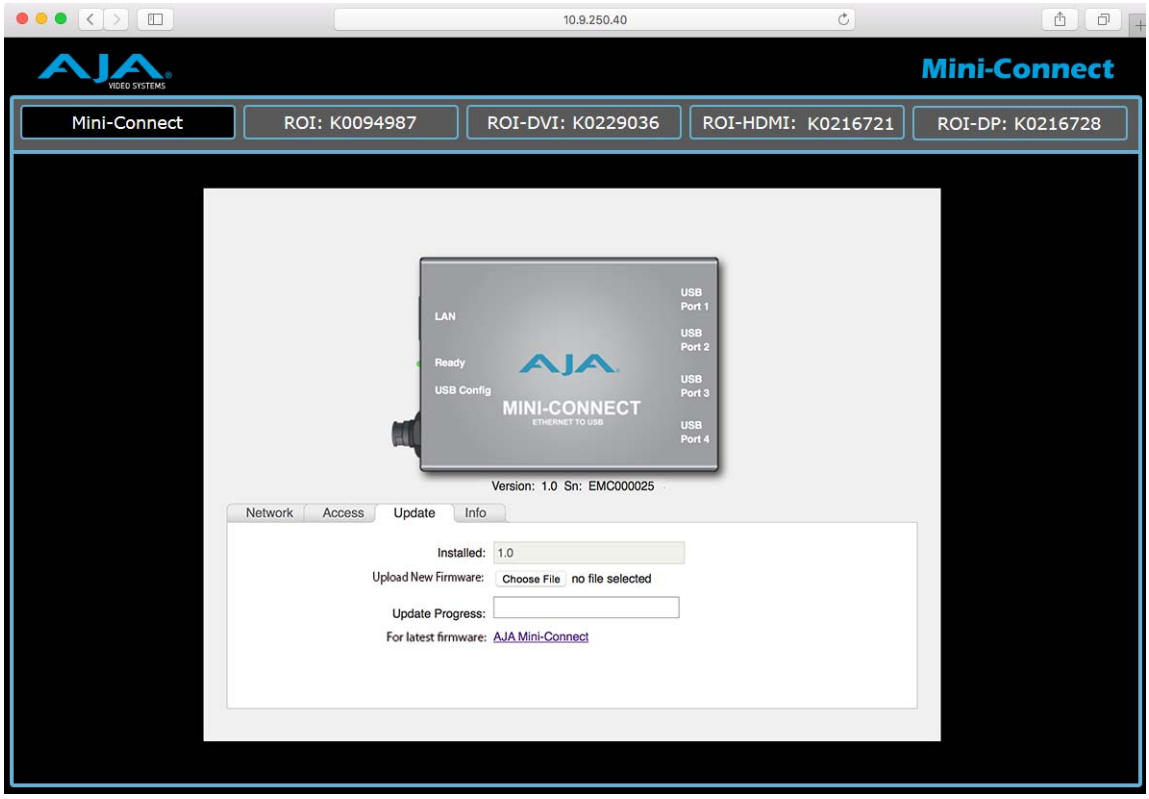
Figure 6. Admin Login Screen



The password can be reset using the eMini-Setup application.

NOTE: If Authentication is enabled and the login screen is displayed, turning off authentication in eMini-Setup will not automatically redirect you to the normal user interface. The login screen remains. To get into the webUI when authentication has been disabled, click the "login" button with no password.

Update Screen (Web Browser)



Use this Update screen to install new firmware on your Mini-Connect, and to access the AJA website to acquire firmware and software.

Installed: This field shows the version of the firmware currently installed on Mini-Connect.

Upload New Firmware Clicking on the Choose File button opens a navigation window, allowing you to select the downloaded firmware file to install into Mini-Connect. The Mini-Connect firmware file has an .ajas extension.

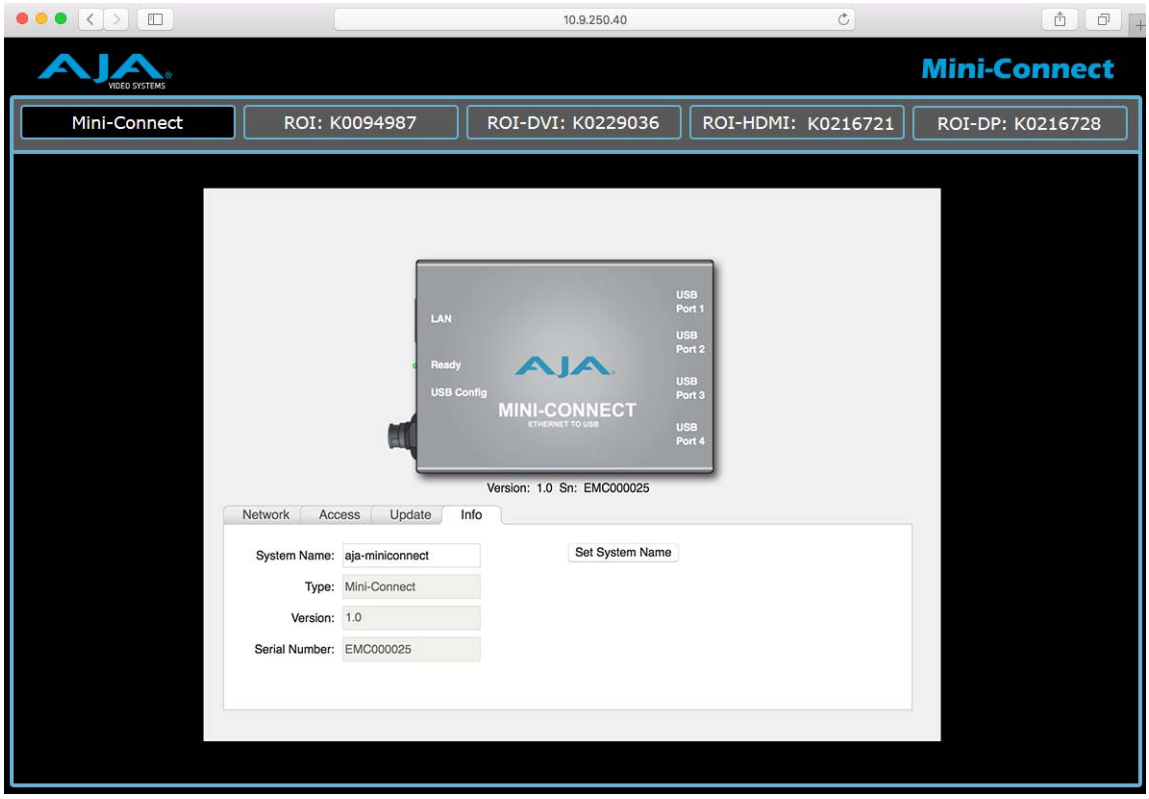
Update Progress: This indicator bar shows the progress of firmware installation.

For Latest Firmware When connected to the internet, clicking on the "AJA eMini-Connect" link takes you to the AJA Mini-Connect webpage where you can acquire the latest Mini-Config firmware (an .ajas file) and the latest eMini-Setup application (PC or Mac installers).

Firmware Update Procedure

1. Check the AJA website for new Mini-Connect firmware. You can click on the "AJA Mini-Connect" link to quickly access the website.
2. If new firmware is found, download it and uncompress the file archive (.zip).
3. Click on the Choose File button, navigate to the firmware (.ajas extension), open it, and confirm the update. Progress will be shown via the "Progress" bar.
4. After the update, Mini-Connect must be rebooted by clicking on the Reboot button in the prompt window.

Info Screen (Web Browser)



This screen provides basic information about this Mini-Connect. This information is mostly useful when calling AJA Support for service or technical support.

System Name This field allows you to give your Mini-Connect a unique name. This can be useful if you have several attached to the network so you can distinguish between them easily.

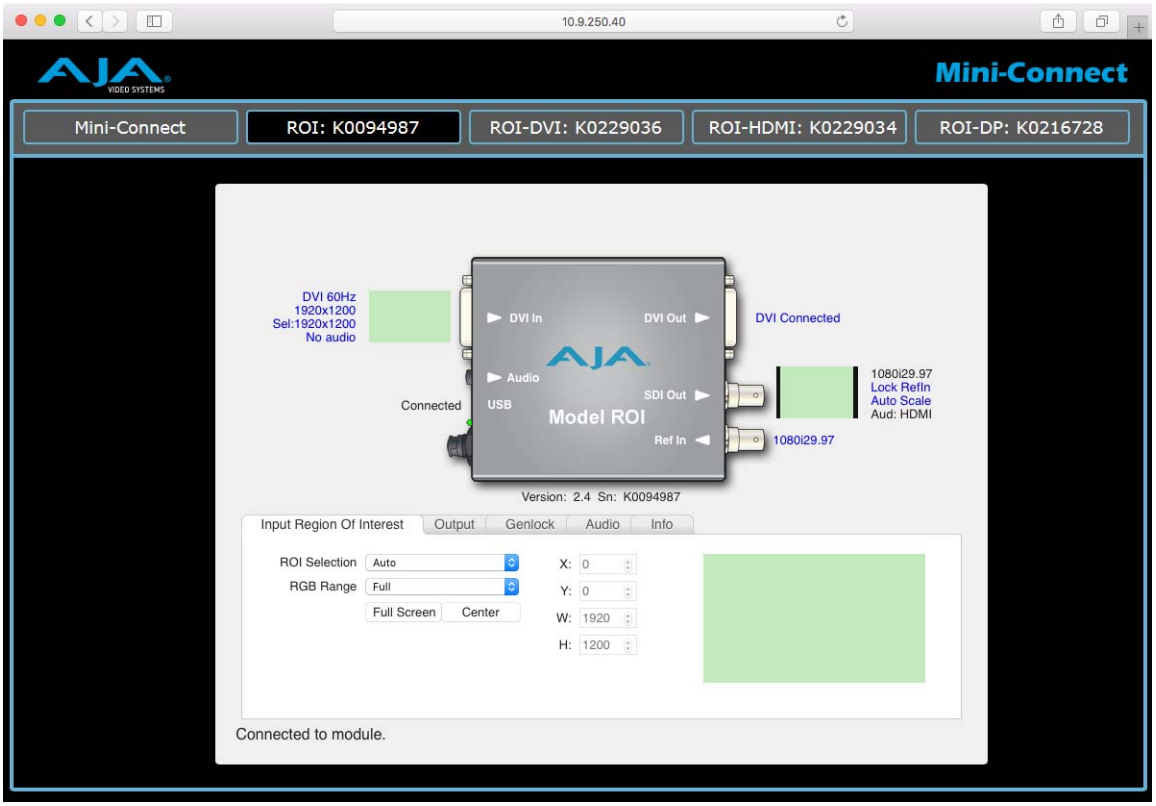
Type: This is the factory set model name of the Mini-Connect.

Serial Number: This is the factory set unique serial number of your Mini-Connect. If you ever call AJA Support for service, you may be asked for this number.

Mini-Converter Control via Mini-Connect

When Mini-Converters are connected via USB to a Mini-Connect that is also connected to a network via Ethernet, those Mini-Converters can be controlled and configured over the network using a web browser.

Figure 7. Web User Interface with Four Mini-Converters Connected



The user interface available in the web browser for each connected Mini-Converter is similar to the user interface seen in the separate Mini-Config application, except the Update screen is not included.

NOTE: Mini-Connect v1.0 cannot be used to update the firmware of connected Mini-Converters over Ethernet. Mini-Converter updates can only be performed via a direct USB connection using Mini-Config.

For information about operating connected Mini-Converters, refer to the AJA documentation for that specific type of Mini-Converter, available on the AJA website and in the AJA Mini-Config application.

Chapter 2: eMini-Setup

Overview

This chapter describes using the eMini-Setup application to initially communicate with and configure Mini-Connect over a direct USB connection. Once configured, Mini-Connect can be accessed via an Ethernet network using a web browser. Subsequently, Mini-Connect can be reconfigured over that network, or directly via USB.

The eMini-Setup application is only used to setup Mini-Connect, and cannot be used to connect to or setup attached Mini-Converters.

The general procedure is:

1. Acquire eMini-Setup from the AJA website and install the eMini-Setup application onto a computer.
2. Connect Mini-Connect to that computer's USB port.
3. Launch the eMini-Setup application.
4. Go to the Network tab, where the IP address settings are displayed and can be changed.

Acquiring eMini-Setup

AJA's eMini-Setup application is available for download from the AJA website.

To download the latest eMini-Setup package, which includes the eMini-Setup application and documentation, go to:

http://www.aja.com/products/mini-converters/mini-connect

Click the support button and select either the Windows or Mac icon to download the desired version.

Mini-Connect and eMini-Setup Documentation

Included with the eMini-Setup download is the *Mini-Connect Installation and Operation Guide*, which can be accessed from the eMini-Setup UI via the **Help/Manual** drop-down menu. This manual includes eMini-Setup information.

Documentation can also be accessed directly from the Mac eMini-Setup installer in the Documentation folder.

Documentation included with the eMini-Setup application is the version available at the time of distribution. However, AJA's documentation can be updated regularly, so newer versions may exist.

To download just the latest documentation, go to:

http://www.aja.com/products/mini-converters/mini-connect

Click the support button and open the Manuals link.

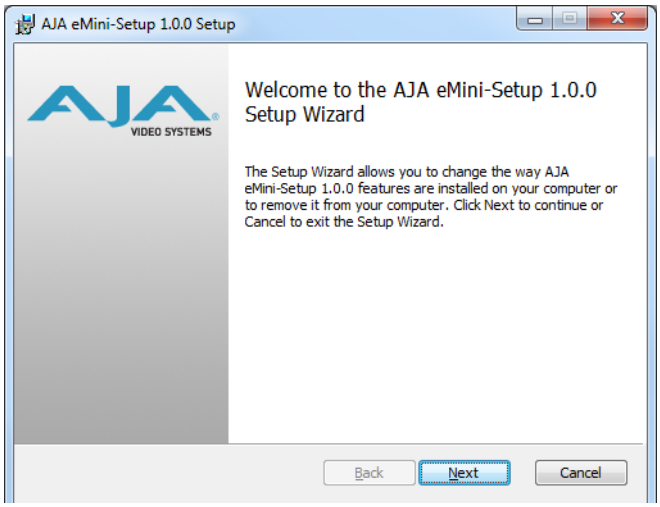
Installing eMini-Setup

PC Installation

To install eMini-Setup on a Windows PC:

1. Download the application from the AJA website (select the Windows icon on the Mini-Connect Support webpage).
2. Open the AJA_eMini-Setup_win.zip file.
3. Double-click on the AJA_eMiniSetup.msi file.
4. The Setup Wizard will guide you through the installation.

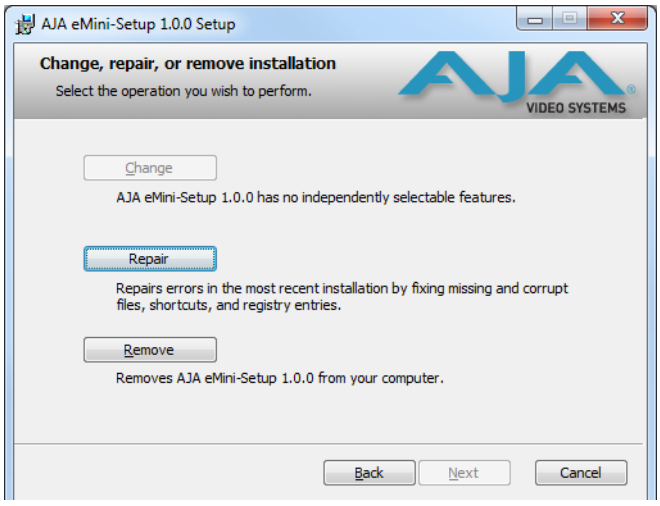
Figure 8. eMini-Setup PC Wizard



5. Click **Next** to begin. Answer the questions in the subsequent dialogues, including device software installation if displayed. When finished, an AJA eMini-Setup shortcut will be installed on the desktop, and you will be able to locate the eMini-Setup application in the AJA folder in the Programs listing.

NOTE: If the eMini-Setup application already exists on the PC, a different Setup Wizard appears.

Figure 9. eMini-Setup Wizard, Re-installation



With this screen you can **Repair** (reinstall) or **Remove** (uninstall) eMini-Setup on the PC.

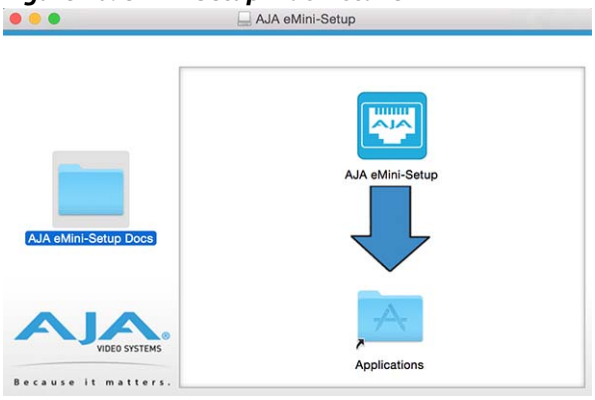
Mac Installation

To install the application on a Mac:

NOTE: Mac computers must be Intel-based (G5, G4 and earlier models will not work with eMini-Setup).

1. Download the application from the AJA website (select the Apple icon on the Mini-Connect Support webpage).
2. Unzip the file.
3. Double-click on the AJA eMini-Setup.dmg file.
4. Answer the prompt and a utility program will be launched.

Figure 10. eMini-Setup Mac Installer



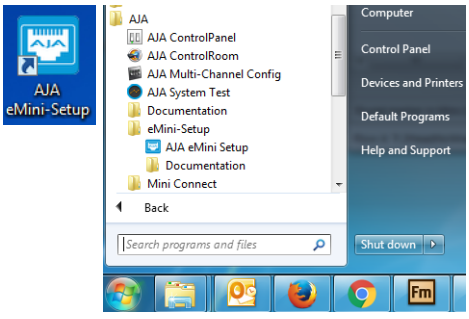
5. To complete the installation drag the "AJA eMiniSetup" icon to the Applications folder.

Running eMini-Setup

Connect Mini-Connect to the PC or Mac via the supplied USB cable. Connect the external power supply (supplied) to Mini-Connect.

PC Startup

To run eMini-Setup on a PC, double-click on the AJA eMini-Setup icon on your desktop, or open the AJA folder in the program list and click on the AJA eMini-Setup application located inside the eMini-Setup folder.



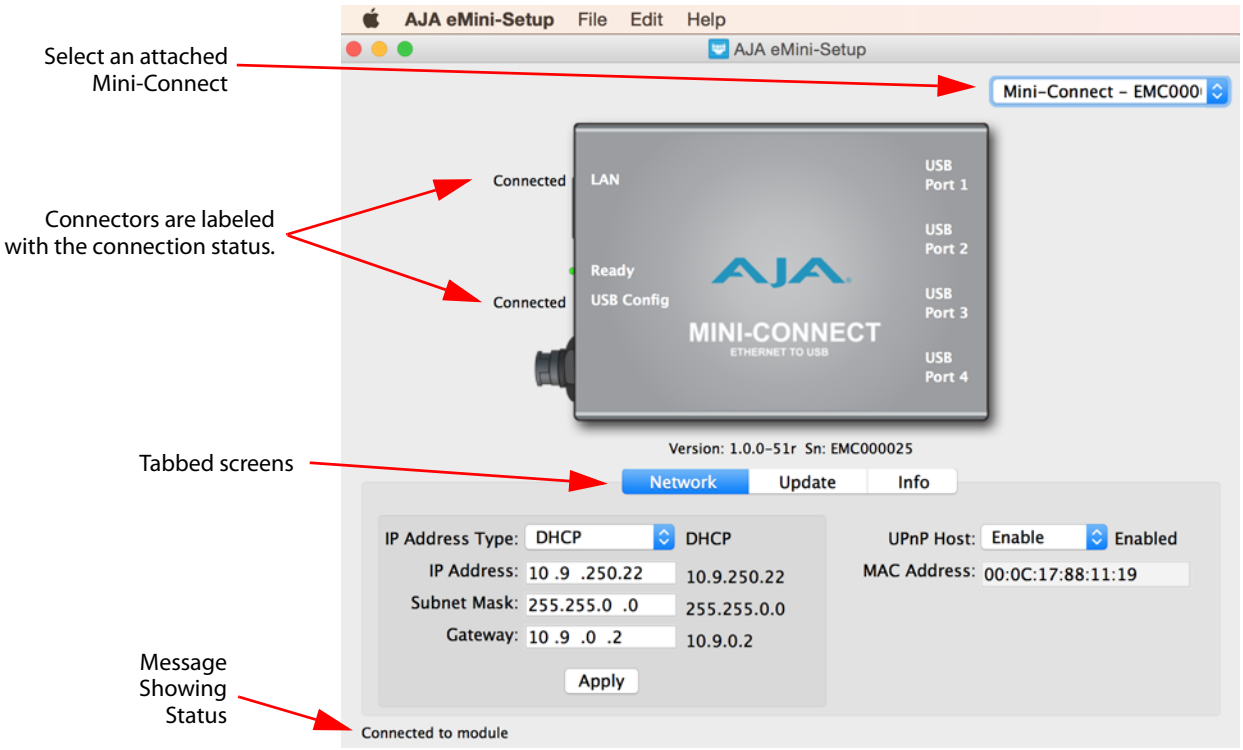
Mac Startup

To run eMini-Setup on a Mac, open the Applications folder and locate the AJA eMini-Setup application. Double-click the application to launch it.

Operating the eMini-Setup Application

The eMini-Setup application provides a graphic interface for viewing settings and updating software.

Figure 11. Example eMini-Setup Screen



Selecting a Mini-Connect with the pull down menu on the upper right causes eMini-Setup to connect to the selected Mini-Connect.

Version: The version of firmware installed in Mini-Connect is displayed below the graphic.

Sn: This is the factory set unique serial number of your Mini-Connect. If you ever call AJA Support for service, you may be asked for this number.

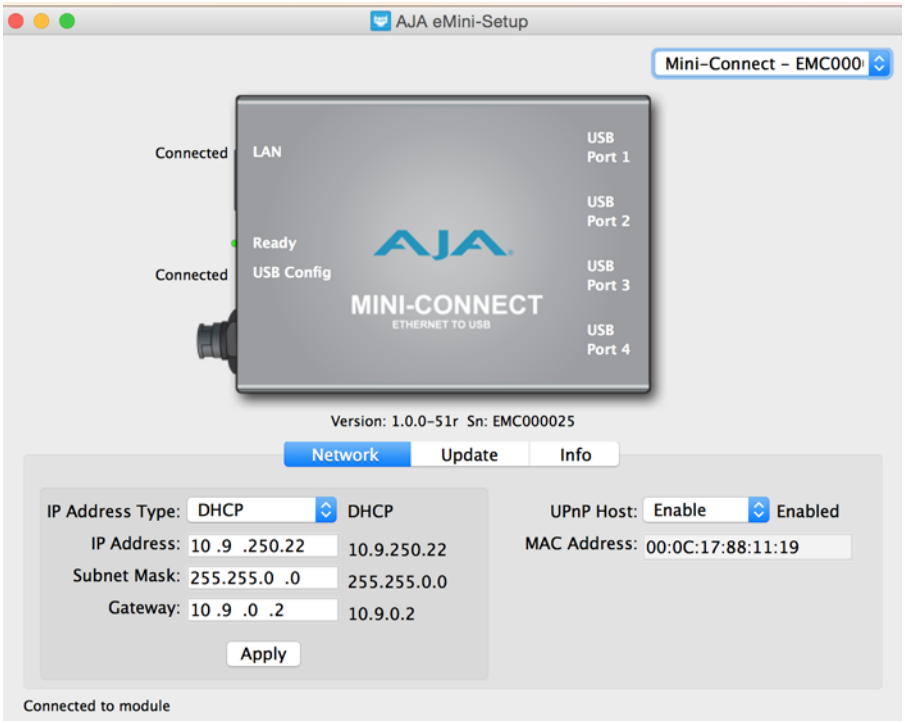
A status field at the bottom of the screen shows if the eMini-Setup application is connected and communicating with Mini-Connect.

File Menu The **File** drop down menu on the eMini-Setup application bar has a **Revert to Factory Settings** menu item that allows you to change the settings back to Mini-Connect's factory defaults.

Edit Menu The Edit drop down menu has standard Cut, Copy and Paste functions for editing text.

Help Menu The Help drop down menu has a link to the Mini-Connect manual.

Network Tab



This tab lets you change the network setup. You must click the Apply button to initiate any IP address changes.

IP Address Type Choose from DHCP or Static IP Address.

IP Address The current IP address is displayed. A different IP address can be entered.

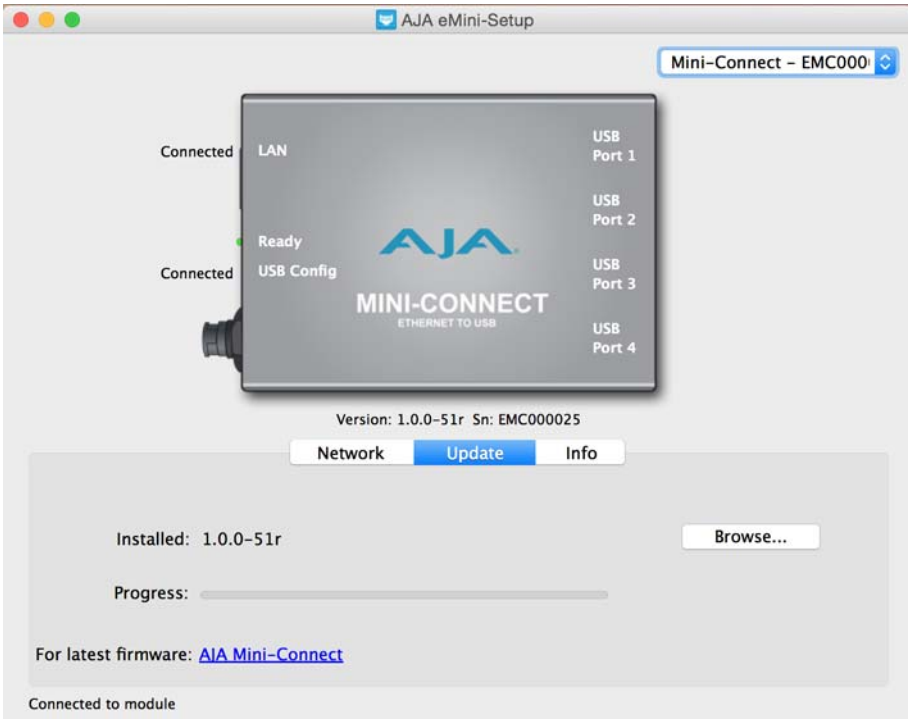
Subnet Mask The current Subnet Mask is displayed. A different netmask can be entered.

Gateway The current Gateway address is displayed. A different IP address can be entered.

UPnP Host Choose from Enable or Disable to control whether Mini-Connect makes itself visible for Windows network browsing.

MAC Address: This is the permanent MAC address of Mini-Connect.

Update Tab



Use this Update tab to install new firmware to Mini-Connect.

Installed: This field shows the version of the firmware currently installed in Mini-Connect.

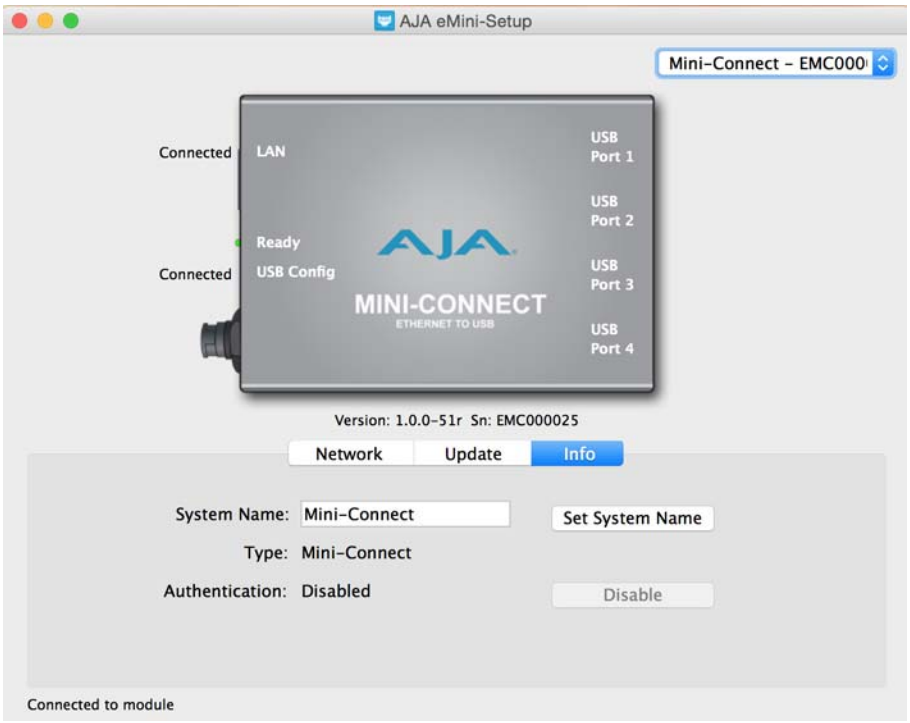
Browse This button opens a navigation window, allowing you to select the firmware and load that version of firmware into Mini-Connect's non-volatile memory.

Progress: This indicator bar shows the progress of firmware installation.

Firmware Update Procedure

1. Check the AJA website for new Mini-Connect firmware.
2. If new software is found, download it and uncompress the file archive (.zip).
3. Connect Mini-Connect to a Mac or PC via a USB port on the computer.
4. Click on the Update tab, click on the Browse button, navigate to the firmware (.ajas extension), open it, and confirm the update. Progress will be shown via the "Progress" bar.
5. After the update, Mini-Connect must be rebooted by clicking on the Reboot button in the prompt window.

Info Tab



This tab provides basic information about this Mini-Connect. This information is mostly useful when calling AJA Support for service or technical support.

Name This field allows you to give your Mini-Connect a unique name. This can be useful if you have several attached to a Mac/PC via USB so you can distinguish between them easily.

Type: This is the factory set model name of the Mini-Connect.

Authentication If Authentication has been Enabled on the web browser Access tab, you can disable the security feature by clicking on the Disable button.

Appendix A: Mini-Connect Specifications

Supported AJA Mini-Converters

- ROI
- ROI-DVI
- ROI-HDMI
- ROI-DP
- Others TBD (Future Software Release)
- Up to 4 Mini-Converters can be connected simultaneously

Network Interface

- 10/100/1000 Ethernet (RJ-45)
- Embedded webserver (for remote control of USB connected Mini-Converters)
- REST API (for automated control of connected Mini-Converters)

USB Setup

- Network configuration of Mini-Connect over USB using the eMini-Setup application.

Physical

Power

- Power +5 to 20VDC regulated, 8 watts max
- AJA external power supply model DWP-U-R1, +5VDC (included)
    - 100-240V, 50/60Hz universal input

Size

- Width: 4.6" (109mm)
- Depth: 2.4" (78mm)
- Height: 1" (25mm)

Environment

Operating Temperature:	0 to 40 degrees C (32 to 104 degrees F)
Operating Relative Humidity:	10-90% non-condensing
Operating Altitude:	<3,000 meters (<10,000 feet)
Safe Storage Temperature (Power OFF):	-40 to 60 degrees C (-40 to 140 degrees F)

Appendix B: Safety and Compliance

Federal Communications Commission (FCC) Compliance Notices

Class A Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15, Subpart B 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.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Canadian ICES Statement

Canadian Department of Communications Radio Interference Regulations

This digital apparatus does not exceed the Class A limits for radio-noise emissions from a digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications. This Class A digital apparatus complies with Canadian ICES-003.

Règlement sur le brouillage radioélectrique du ministère des Communications

Cet appareil numérique respecte les limites de bruits radioélectriques visant les appareils numériques de classe A prescrites dans le Règlement sur le brouillage radioélectrique du ministère des Communications du Canada. Cet appareil numérique de la Classe A est conforme à la norme NMB-003 du Canada.

European Union and European Free Trade Association (EFTA) Regulatory Compliance

This equipment may be operated in the countries that comprise the member countries of the European Union and the European Free Trade Association. These countries, listed in the following paragraph, are referred to as The European Community throughout this document:

AUSTRIA, BELGIUM, BULGARIA, CYPRUS, CZECH REPUBLIC, DENMARK, ESTONIA, FINLAND, FRANCE, GERMANY, GREECE, HUNGARY, IRELAND, ITALY, LATVIA, LITHUANIA, LUXEMBOURG, MALTA, NETHERLANDS, POLAND, PORTUGAL, ROMANIA, SLOVAKIA, SLOVENIA, SPAIN, SWEDEN, UNITED KINGDOM, ICELAND, LICHTENSTEIN, NORWAY, SWITZERLAND

Declaration of Conformity

Marking by this symbol indicates compliance with the Essential Requirements of the EMC Directive of the European Union 2004/108/EC.

CE This equipment meets the following conformance standards:

Safety: EN 60065: 2002 + A1: 2006 + A11: 2008 + A2: 2010 + A12: 2011 (GS License)

IEC 60065: 2001 + A1: 2005 + A2: 2010 (CB Scheme Report/Certificate)

Additional licenses issued for specific countries available on request.

Emissions: EN 55032: 2012, CISPR 22: 2008, EN 61000-3-2:2006 +A1:2009 +A2:2009, EN 61000-3-3:2008

Immunity: EN 55103-2: 2009, EN 61000-4-2:2009, EN 61000-4-3:2006+A1:2008+A2:2010, EN 61000-4-4:2004+A1:2010, EN 61000-4-5:2005, EN 61000-4-6:2009, EN 61000-4-11:2004

Environments: E2, E3 and E4

The product is also licensed for additional country specific standards as required for the International Marketplace.

Warning!

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case, the user may be required to take appropriate measures.

Achtung! Dieses ist ein Gerät der Funkstörgrenzwertklasse A. In Wohnbereichen können bei Betrieb dieses Gerätes Rundfunkstörungen auftreten, in welchen Fällen der Benutzer für entsprechende Gegenmaßnahmen verantwortlich ist.

Attention! Ceci est un produit de Classe A. Dans un environnement domestique, ce produit risque de créer des interférences radioélectriques, il appartiendra alors à l'utilisateur de prendre les mesures spécifiques appropriées.

Recycling Notice

	This symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste for recycling, please contact your local authority, or where you purchased your product.

Korean KCC Compliance Statement

A급 기기 (업무용 방송통신기자재) Class A (Broadcasting Communication Equipment for Office Use)	이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다. As an electromagnetic wave equipment for office use (Class A), this equipment is intended to use in other than home area. Sellers or users need to take note of this.

Taiwan Compliance Statement

警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

This is a Class A product based on the standard of the Bureau of Standards, Metrology and Inspection (BSMI) CNS 13438, Class A. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Japanese Compliance Statement

1. Class A ITE

この装置は、クラスA 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。ＶＣＣＩ－Ａ

This is a Class A product based on the standard of the VCCI Council (VCCI V-3/2015.04). If this equipment is used in a domestic environment, radio interference may occur, in which case, the user may be required to take corrective actions.

Translated Warning and Caution Messages

The following caution statements, warning conventions, and warning messages apply to this product and manual.

Warning Symbol

Caution Symbol

Before Operation Please Read These Instructions

Warning!

Read and follow all warning notices and instructions marked on the product or included in the documentation.

Avertissement ! Lisez et conformez-vous à tous les avis et instructions d'avertissement indiqués sur le produit ou dans la documentation.

Warnung! Lesen und befolgen Sie die Warnhinweise und Anweisungen, die auf dem Produkt angebracht oder in der Dokumentation enthalten sind.

¡Advertencia! Lea y siga todas las instrucciones y advertencias marcadas en el producto o incluidas en la documentación.

Aviso! Leia e siga todos os avisos e instruções assinalados no produto ou incluídos na documentação.

Avviso! Leggere e seguire tutti gli avvisi e le istruzioni presenti sul prodotto o inclusi nella documentazione.

Warning!

Do not use this device near water and clean only with a dry cloth.

Avertissement! N'utilisez pas cet appareil près de l'eau et nettoyez-le seulement avec un tissu sec.

Warnung! Das Gerät nicht in der Nähe von Wasser verwenden und nur mit einem trockenen Tuch säubern.

¡Advertencia! No utilice este dispositivo cerca del agua y límpielo solamente con un paño seco.

Aviso! Não utilize este dispositivo perto da água e limpe-o somente com um pano seco.

Avviso! Non utilizzare questo dispositivo vicino all'acqua e pulirlo soltanto con un panno asciutto.

Warning!

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Avertissement ! Ne bloquez aucune ouverture de ventilation. Suivez les instructions du fabricant lors de l'installation.

Warnung! Die Lüftungsöffnungen dürfen nicht blockiert werden. Nur gemäß den Anweisungen des Herstellers installieren.

¡Advertencia! No bloquee ninguna de las aberturas de la ventilación. Instale de acuerdo con las instrucciones del fabricante.

Aviso! Não obstrua nenhuma das aberturas de ventilação. Instale de acordo com as instruções do fabricante.

Avviso! Non ostruire le aperture di ventilazione. Installare in conformità con le istruzioni del fornitore.

Warning!

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Avertissement ! N'installez pas l'appareil près d'une source de chaleur telle que des radiateurs, des bouches d'air de chauffage, des fourneaux ou d'autres appareils (amplificateurs compris) qui produisent de la chaleur.

Warnung! Nicht in der Nähe von Wärmequellen wie Heizkörpern, Heizregistern, Öfen oder anderen Wärme erzeugenden Geräten (einschließlich Verstärkern) aufstellen.

¡Advertencia! No instale cerca de fuentes de calor tales como radiadores, registros de calor, estufas u otros aparatos (incluidos amplificadores) que generan calor.

Aviso! Não instale perto de nenhuma fonte de calor tal como radiadores, saídas de calor, fogões ou outros aparelhos (incluindo amplificadores) que produzam calor.

Avviso! Non installare vicino a fonti di calore come termosifoni, diffusori di aria calda, stufe o altri apparecchi (amplificatori compresi) che emettono calore.

Warning!

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Avertissement! La sécurité de la prise polarisée ou de la prise de type mise à la terre ne doit en aucun cas être empêchée de fonctionner. Une prise polarisée a deux broches, l'une étant plus large que l'autre. Une prise de type mise à la terre a deux broches et une troisième broche pour la mise à la terre. La broche large ou la troisième broche sont fournies pour votre sécurité. Si la prise fournie ne s'insère pas dans votre prise femelle, consultez un électricien pour le remplacement de la prise femelle obsolète.

Warnung! Der Sicherheitszweck des gepolten bzw. Schukosteckers ist zu berücksichtigen. Ein gepolter Stecker verfügt über zwei Pole, von denen einer breiter als der andere ist. Ein Schukostecker verfügt neben den zwei Polen noch über einen dritten Pol zur Erdung. Der breite Pol bzw. der Erdungspol dienen der Sicherheit. Wenn der zur Verfügung gestellte Stecker nicht in Ihren Anschluss passt, konsultieren Sie einen Elektriker, um den veralteten Anschluss zu ersetzen.

¡Advertencia! No eche por tierra la finalidad del tipo de enchufe polarizado con conexión a tierra. Un enchufe polarizado tiene dos espigas, una más ancha que la otra. Un enchufe con conexión a tierra tiene dos espigas iguales y una tercera espiga que sirve para la conexión a tierra. La expiga ancha, o la tercera espiga, sirven para su seguridad. Si el enchufe suministrado no encaja en el tomacorriente, consulte con un electricista para reemplazar el tomacorriente obsoleto.

Aviso! Não anule a finalidade da segurança da ficha polarizada ou do tipo ligação terra. Uma ficha polarizada tem duas lâminas sendo uma mais larga do que a outra. Uma ficha do tipo de ligação à terra tem duas lâminas e um terceiro terminal de ligação à terra. A lâmina larga ou o terceiro terminal são fornecidos para sua segurança. Se a ficha fornecida não couber na sua tomada, consulte um electricista para a substituição da tomada obsoleta.

Avviso! Non compromettere la sicurezza della spina polarizzata o con messa a terra. Una spina polarizzata ha due spinotti, di cui uno più largo. Una spina con messa a terra ha due spinotti e un terzo polo per la messa a terra. Lo spinotto largo o il terzo polo sono forniti per motivi di sicurezza. Se la spina fornita non si inserisce nella presa di corrente, contattare un elettricista per la sostituzione della presa obsoleta.

Warning!

Since the Mains plug is used as the disconnection for the device, it must remain readily accessible and operable.

Avertissement! Puisque la prise principale est utilisée pour débrancher l'appareil, elle doit rester aisément accessible et fonctionnelle.

Warnung! Da der Netzstecker als Trennvorrichtung dient, muss er stets zugänglich und funktionsfähig sein.

¡Advertencia! Puesto que el enchufe de la red eléctrica se utiliza como dispositivo de desconexión, debe seguir siendo fácilmente accesible y operable.

Aviso! Dado que a ficha principal é utilizada como a desconexão para o dispositivo, esta deve manter-se prontamente acessível e funcional.

Avviso! Poiché il cavo di alimentazione viene usato come dispositivo di sconnessione, deve rimane prontamente accessibile e operabile.

Warning!

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the device.

Avertissement! Protégez le cordon d'alimentation pour que l'on ne marche pas dessus ou qu'on le pince, en particulier au niveau des prises mâles, des réceptacles de convenance, et à l'endroit où il sort de l'appareil.

Warnung! Vermeiden Sie, dass auf das Netzkabel getreten oder das Kabel geknickt wird, insbesondere an den Steckern, den Steckdosen und am Kabelausgang am Gerät.

¡Advertencia! Proteja el cable de energía para que no se le pise ni apriete, en especial cerca del enchufe, los receptáculos de conveniencia y el punto del que salen del equipo.

Aviso! Proteja o cabo de alimentação de ser pisado ou de ser comprimido particularmente nas fichas, em tomadas de parede de conveniência e no ponto de onde sai do dispositivo.

Avviso! Proteggere il cavo di alimentazione in modo che nessuno ci cammini sopra e che non venga schiacciato soprattutto in corrispondenza delle spine e del punto in cui esce dal dispositivo.

Warning!

Unplug this device during lightning storms or when unused for long periods of time.

Avertissement! Débranchez cet appareil pendant les orages avec éclairsou s'il est inutilisé pendant de longues périodes.

Warnung! Das Gerät ist bei Gewitterstürmen oder wenn es über lange Zeiträume ungenutzt bleibt vom Netz zu trennen.

¡Advertencia! Desenchufe este dispositivo durante tormentas eléctricas o cuando no se lo utilice por largos periodos del tiempo.

Aviso! Desconecte este dispositivo da tomada durante trovoadas ou quando não é utilizado durante longos períodos de tempo.

Avviso! Utilizzare soltanto i collegamenti e gli accessori specificati e/o venduti dal produttore, quali il treppiedi e l'esoscheletro.

Warning!

Do not open the chassis. There are no user-serviceable parts inside. Opening the chassis will void the warranty unless performed by an AJA service center or licensed facility.

Avertissement! Ne pas ouvrir le châssis. Aucun élément à l'intérieur du châssis ne peut être réparé par l'utilisateur. La garantie sera annulée si le châssis est ouvert par toute autre personne qu'un technicien d'un centre de service ou d'un établissement agréé AJA.

Warnung! Öffnen Sie das Gehäuse nicht. Keine der Geräteteile können vom Benutzer gewartet werden. Durch das Öffnen des Gehäuses wird die Garantie hinfällig, es sei denn, solche Wartungsarbeiten werden in einem AJA-Service-Center oder einem lizenzierten Betrieb vorgenommen.

¡Advertencia! No abra el chasis. El interior no contiene piezas reparables por el usuario. El abrir el chasis anulará la garantía a menos que se lo haga en un centro de servicio AJA o en un local autorizado.

Advertência! Não abra o chassi. Não há internamente nenhuma peça que permita manutenção pelo usuário. Abrir o chassi anula a garantia, a menos que a abertura seja realizada por uma central de serviços da AJA ou por um local autorizado.

Avvertenza! Non aprire lo chassis. All'interno non ci sono parti riparabili dall'utente. L'apertura dello chassis invaliderà la garanzia se non viene effettuata da un centro ufficiale o autorizzato AJA.

Warning!

Disconnect the external AC power supply line cord(s) from the mains power before moving the unit.

Avertissement! Retirez le ou les cordons d'alimentation en CA de la source d'alimentation principale lorsque vous déplacez l'appareil.

Warnung! Trennen Sie die Wechselstrom-Versorgungskabel vom Netzstrom, bevor Sie das Gerät verschieben.

¡Advertencia! Cuando mueva la unidad desenchufe de la red eléctrica el/los cable(s) de la fuente de alimentación CA tipo brick.

Advertência! Remova os cabos CA de alimentação brick da rede elétrica ao mover a unidade.

Avvertenza! Scollegare il cavo dell'alimentatore quando si sposta l'unità.

Warning!

Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.

Avertissement ! Référez-vous au personnel de service qualifié pour tout entretien. L'entretien est exigé quand l'appareil a été endommagé de quelque manière que ce soit, par exemple lorsque le cordon d'alimentation ou la prise sont endommagés, que du liquide a été versé ou des objets sont tombés dans l'appareil, que l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement ou est tombé.

Warnung! Das Gerät sollte nur von qualifizierten Fachkräften gewartet werden. Eine Wartung ist fällig, wenn das Gerät in irgendeiner Weise beschädigt wurde, wie bei beschädigtem Netzkabel oder Netzstecker, falls Flüssigkeiten oder Objekte in das Gerät gelangen, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht ordnungsgemäß funktioniert oder fallen gelassen wurde.

¡Advertencia! Consulte al personal calificado por cuestiones de reparación. El servicio de reparación se requiere cuando el dispositivo ha recibido cualquier tipo de daño, por ejemplo cable o espigas dañadas, se ha derramado líquido o se han caído objetos dentro del dispositivo, el dispositivo ha sido expuesto a la lluvia o humedad, o no funciona de modo normal, o se ha caído.

Aviso! Remeta todos os serviços de manutenção para o pessoal de assistência qualificado. A prestação de serviços de manutenção é exigida quando o dispositivo foi danificado mediante qualquer forma, como um cabo de alimentação ou ficha que se encontra danificado/a, quando foi derramado líquido ou caíram objectos sobre o dispositivo, quando o dispositivo foi exposto à chuva ou à humidade, quando não funciona normalmente ou quando foi deixado cair.

Avviso! Fare riferimento al personale qualificato per tutti gli interventi di assistenza. L'assistenza è necessaria quando il dispositivo è stato danneggiato in qualche modo, ad esempio se il cavo di alimentazione o la spina sono danneggiati, è stato rovesciato del liquido è stato rovesciato o qualche oggetto è caduto nel dispositivo, il dispositivo è stato esposto a pioggia o umidità, non funziona correttamente o è caduto.

	Warning! Only use attachments and accessories specified and/or sold by the manufacturer. **Avertissement!** Utilisez seulement les attaches et accessoires spécifiés et/ou vendus par le fabricant. **Warnung!** Verwenden Sie nur Zusatzgeräte und Zubehör angegeben und / oder verkauft wurde durch den Hersteller. **¡Advertencia!** Utilice solamente los accesorios y conexiones especificados y/o vendidos por el fabricante. **Aviso!** Utilize apenas equipamentos/acessórios especificados e/ou vendidos pelo fabricante. **Avviso!** Utilizzare soltanto i collegamenti e gli accessori specificati e/o venduti dal produttore.

Warranty Information

Limited Warranty

AJA Video Systems, Inc. (AJA Video) warrants that this product will be free from defects in materials and workmanship for a period of five years from the date of purchase. If a product proves to be defective during this warranty period, AJA Video, at its option, will either repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

In order to obtain service under this warranty, you the Customer, must notify AJA Video of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. The Customer shall be responsible for packaging and shipping the defective product to a designated service center nominated by AJA Video, with shipping charges prepaid. AJA Video shall pay for the return of the product to the Customer if the shipment is to a location within the country in which the AJA Video service center is located. Customer shall be responsible for paying all shipping charges, insurance, duties, taxes, and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. AJA Video shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than AJA Video representatives to install, repair or service the product, b) to repair damage resulting from improper use or connection to incompatible equipment, c) to repair any damage or malfunction caused by the use of non-AJA Video parts or supplies, or d) to service a product that has been modified or integrated with other products when the effect of such a modification or integration increases the time or difficulty of servicing the product.

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