

Dominion® KX II-101 V2 – Release 3.3

Firmware Release: 3.3
Release Notes Version: 1.0
Release Notes Date: April 15, 2011

Congratulations on your purchase of the Dominion® KX II-101 V2, the economical, full-featured, single-port digital KVM (Keyboard, Video, Mouse) device. These Release Notes provide an overview of the compatibility, features, notes, and upgrade instructions.

Applicability

The 3.3 Release is applicable to the new Dominion KX II-101 V2. Release 3.3 is not applicable to the previous generation Dominion KX II-101 devices.

Release Status

General Availability.

Release 3.3 Overview

Release 3.3 is a factory installed Release for the new Dominion KX II-101 V2 device. The V2 version of the Dominion KX II-101 is a new, economical, next generation version of Raritan's popular one-port Dominion KX II-101 KVM-over-IP device. The V2 device does not support the Power-Over-Ethernet and PS2 local port hardware features of the previous generation KX II-101. Release 3.3 supports virtually all the previous software features, plus some new features and enhancements as described below.

Dominion KX II-101-V2 Documentation

The following documentation is available for the Dominion KX II-101 V2:

- **Dominion KX II-101 V2 User Guide** – user guide to the KX II-101 V2's remote browser based user interfaces and also for general usage.
- **KVM and Serial Access Clients User Guide** – see this user guide for additional information on the Raritan KVM Client software
- **Dominion KX II-101-V2 Quick Setup Guide** –reference for installation and configuration of the KX II-101 V2.

The Dominion KX II-101 V2 documentation is available from the Raritan website: www.raritan.com. Please go to the Support section, go to Firmware and Documentation and then select Dominion KX II-101. Click on the appropriate release.

Dominion KX II-101 V2 Online Help

An online help system is available from the KX II-101 V2's user interface. Click on "Online Help" in the left hand information panel to launch the Online Help System. You can browse to the appropriate topic via the Contents, Index and Search tabs. The entire Dominion KX II-101 V2 User Guide is available, including text and images, with an extensive set of links.

Online help for Raritan products is available on: <http://www.raritan.com/support/online-help/>

Release 3.3 Compatibility Information

Raritan CommandCenter® Secure Gateway

- The Dominion KX II-101 V2 and Release 3.3 have been certified for use with CommandCenter Secure Gateway (CC-SG) Release 5.1. Customers running previous CC-SG Releases must upgrade to CC-SG 5.1 or later release.
- CC-SG proxy mode, including support for virtual media, is available when used with the CC-SG 5.1 release. Contact the CC-SG documentation for more information.

Raritan Virtual KVM Client (VKC) v.2.1.7

- The 2.1.7 version of the Java-based Virtual KVM Client is included in Release 3.3. This new version provides additional features and enhancements. See below.

Raritan Multi-Platform Client (MPC) v.6.0.8

- The Java-based, standalone Multi-Platform Client with traditional Raritan user interface can be used with the KX II-101 V2.

Raritan Active KVM Client (AKC)

- The Windows-based AKC is not currently supported for use with the KX2-101 V2.

Sun Java™ Runtime Environment (JRE)

1. SUN Java™ Runtime Environment (JRE) version 1.6 is now the minimum version. The certified JRE 1.6 builds at this time are JRE 1.6.0_10 through 1.6.0_20.
2. SUN Java™ Runtime Environment (JRE) versions 1.4.x and 1.5.x are not supported!
3. If the client does not have a JRE associated with the Browser or if the JRE version is below 1.6, then a message will be displayed, and the user will be directed to install the latest version from the SUN Java website.
4. For best results, we recommend that Java Plug-in Caching is not enabled.
5. The above JRE version information applies to the Dominion KX II-101 V2 when used standalone. When used with CC-SG, please consult the CC-SG Release Notes and Compatibility Matrix.
6. The JRE installation requires the multi language option to be enabled for Korean and other non-English language support. For a "Custom" JRE installation, must ensure that "Support for Additional Languages" is included during the installation process.
7. Use the pre-defined macros created for the Japanese Kana Key and the R-ALT-KANA key, as these keys are not consistently received from the JRE.

Release 3.3 Features

1. **Previous Release 2.0.4 Features.** Release 3.3 contains virtually all the software features of the previous Release 2.0.4. There are some additional features and enhancements as described below.
2. **New Virtual KVM Client Features.** The KX II-101 V2 has been upgraded with Version 2.1.7 of the Virtual KVM Client. This is the same version of the client as used by Dominion KX II Release 2.3. This version brings with it the following enhancements:
 - **Client Launch Settings** have been added to the Tools Menu. Users can configure the way VKC is launched:
 - Window Mode is the Client Launch setting that determines whether the client is launched in Full Screen or Standard Window mode.
 - Dual Monitor Support is the Client Launch setting that determines which monitor the client is launched to.
 - **Screenshot from Target** is a feature to save a screenshot of the target server to a file.
 - **Full Screen Mode** now has a **Hidden Toolbar** that appears when the mouse is moved to the top of the screen. This provides the VKC menu items for use within full screen mode and can be used to exit from Full Screen Mode.
3. **Force User Logoff.** Now available to log off a locally authenticated user.
4. **Enhanced LDAP Options.** Comprehensive LDAP Configuration Options, including Secure LDAP and an LDAP test function, have been added.
5. **New SNMP MIB.** There is a new SNMP v2 MIB. This should be loaded into your SNMP management system if you are enabling SNMP traps.
6. **USB/VGA Local Port Access.** At-the-rack access to the target server is available without the use of a local port cable. Connect the local LCD monitor to the “Local User” VGA port on the side of the KX II-101 V2. Connect keyboard and mouse directly to USB port(s) on the target server. PS2 local port access would require a PS2 to USB adapter (customer supplied).
7. **Raritan PX Based Remote Power Control.** Connect the optional **DKX2-101-V2-PDU** to the serial Admin port of the KX II-101 V2 device to connect it via Cat 5 cable to a Raritan PX Rack based PDU. Note that you must configure the multi-function serial port to the “Powerstrip Control” option using the “Serial Port Settings” page.
8. **Modem Access.** Connect a modem to the serial Admin port of the KX II-101 V2 device using a *null modem DB9 male-to-male gender changer*. Note that you must configure the multi-function serial port for this purpose using the “Modem” option on the “Serial Port Settings” page.
9. **Serial Admin Access.** Connect a terminal server to the serial Admin port of the KX II-101 V2 device using a *male to female DB9 straight serial extension cable*. Note that you must configure the multi-function serial port for this purpose using the “Admin Port” option on the “Serial Port Settings” page.
10. **Online Help has been added to the HTML User Interface.**

Important Notes and Information

1. Apple Mac clients can not open a direct port access connection (CR#12918)
2. For Windows OS, do not use the “Safely Remove Hardware” function in the system tray on the target server to disconnect a mounted virtual media drive. Disconnect using the “Disconnect” command on the virtual media menu.
3. For reliable network communication, configure the KX II-101 V2 and LAN Switch to the same LAN Interface Speed and Duplex. For example, configure both the KX II-101 V2 and LAN Switch to Autodetect (recommended) or set both to a fixed-speed/duplex such as 100Mbps/Full.



4. Not all servers and operating systems support all virtual media options. In general, modern Windows® OS do, including Windows Vista™, 2003 Server, XP and Windows 2000 with the latest patches. Target Servers running Linux and Mac OS, when accessed from a Windows client, will generally mount CD/DVD drives, USB drives and ISO images. Mac®, Linux and Solaris™ clients can only mount ISO images from a local or remote drive. Other UNIX based OS generally do not support virtual media. Virtual Media is not supported on Windows 7 running 64bit Internet Explorer version 8, but ok with 32 bit Internet Explorer version 8.
5. When connecting to the BIOS with a virtual media drive mapped, should the BIOS not support high speed USB, then you should enable the “Use Full Speed” option on the Port Configuration page. Reboot the target server.
6. In general, due to varying BIOS implementations of the USB 2.0 standard, it is not always possible to boot from a virtual media drive at the BIOS level.
7. Absolute Mouse Synchronization requires support from the OS. Windows and Mac OS generally support it. Linux and UNIX based OS (AIX, HP-UX, Solaris) generally do not.
8. When a panel is opened in the Virtual KVM Client (VKC), the client, as well as related browser tabs and windows, will wait for user input until the panel is closed.
9. Be careful of the web browser refresh or reload function/button, which can close a VKC session.
10. To attach the KX II-101 V2 to a Raritan PX rack PDU, the DKX2-101-V2-PDU adapter must be separately purchased and used with a Cat5 cable. It is not included with the power strip. The DKX2-101-SPDUC cable used by the previous version of KX II-101 should not be used.
11. Raritan PX rack PDU's with 8, 12 and 20 outlets are supported. PX devices with more outlets should be connected to one of the multi-user Dominion KX II or KSX II devices.
12. To use AES encryption, first ensure that your web browser supports this stronger encryption – not all browsers do. For AES, set the “Encryption mode” on the “Security Settings” panel to “AES,” not “Auto” which generally results in RC4 encryption.
13. A subset of the KX II-101 V2 administration functions is available from CC-SG. To access all functions, use the Pause Management feature in CC-SG to remove the KX II-101 V2 device temporarily from CC-SG management. Then you can access the additional administrative functions via the KX II-101 V2 remote console.
14. The Power over Ethernet option is not available for the KX II-101 V2. Customers requiring this feature should continue to purchase the previous generation KX II-101.
15. Although PS2 based servers can be remotely controlled by the KX II-101 V2, PS2 local port access would require a PS2 to USB adapter (customer supplied).
16. The “Alternate Radius Authentication” option on the “Authentication Settings” page has been removed.
17. You may notice that the “KVM Cable” jack on the V2 unit looks like an HDMI style connector. But this does not use the HDMI video protocols; you should not connect this to an HDMI video output on a server or PC.

General Upgrade Instructions

Release 3.3 is a factory installed release; it does not apply to the previous Dominion KX II-101 model. To upgrade the KX II-101 V2 to a future release, consult the release notes for the particular release.

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