

## Release Notes for KX II-101 Firmware 2.0.0.5.6554

Release Notes Version: 1.2 (ECN#2995)  
Release Notes Date: January 31, 2008  
Effective: Immediately

### Applicability:

The 2.0 Release is applicable to the new Dominion KX II-101 (DKX2-101).

Note: The existing Dominion KX101 (DKX101) will be referred to as the Dominion KX I-101.

KX Release 2.0 is not applicable to the existing Dominion KX I-101.

### Release Status:

General Availability

### Expiration Date of Content:

This document will be obsolete when the next generally available release is posted on the Raritan web-site. Contact Raritan Customer Support or check the website (<http://www.raritan.com/support>) for updated versions of the KX II-101 firmware, release notes, users guide and standalone version of the Raritan Multi-Platform Client (MPC):

<http://www.raritan.com/support/firmwareupgrades/dominionkx2-101>

### Dominion KX II-101 Overview:

Dominion KX II-101 is a next-generation KVM-over-IP device that eliminates the blocking factor inherent in switched KVM architectures to provide anytime, anywhere access and BIOS-level control of a single server, via a dedicated IP address.

### Dominion KX II-101 Documentation:

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

- **Dominion KX II-101 User Guide** – user guide to the KX II-101's local and remote browser based user interfaces and also for general KX II-101 usage.
- **MPC/RRC User Guide** – see this user guide for MPC usage with KX II-101.
- **Dominion KX II-101 Quick Setup Guide** –reference for the quick setup of the KX II-101.

The Dominion KX II-101 documentation is contained on the CDROM included in the Dominion KX II-101 package and on the Raritan Website:

<http://www.raritan.com>. Please go to the Support section and click on “Product Documentation” in the left navigation pane, or go directly to:

<http://www.raritan.com/support/productdocumentation>

Scroll down to the “Dominion KX II-101” heading to locate the documentation in PDF format. Future documentation updates will also be provided via Raritan’s website.

The most current version of the KX II-101 User Guide is now available from the KX II-101 User Interface (remote console in the left hand information panel).

### Release 2.0 Compatibility Information:

1. This version of KX II-101 2.0.0 may not be included in the current compatibility matrix, which is hard coded on CC-SG; although it is fully supported in CC-SG 3.2.1. CC-SG 3.2.1 is the first release to support the new KX II-101 model. Customers running previous CC-SG Releases (e.g., 2.3, 3.0., 3.1) must upgrade to CC-SG 3.2.1.

2. KX II-101 devices can be remotely accessed by two Java-based remote clients:

Remote Client	Description	Version
Virtual KVM Client (KVC)	New Java-based client invoked from the browser-based remote user interface.	2.0.0
Multi-Platform Client (MPC)	Upgraded Java-based MPC with traditional Raritan user interface.	5.0.4
Raritan Remote Client (RRC)	RRC does not support KX II-101 devices.	N/A

3. KX II-101 is verified with the following systems and applications. We recommend utilizing these versions for optimum performance with your KXII-101.

Operating System	Browser	JRE
Windows 2000 SP4	Internet Explorer 6.0 Mozilla 1.7.8	JRE 1.5.0_11
Windows XP Professional SP 2	Internet Explorer 6.0 Firefox 2.0.0.3	JRE 1.5.0_6
Windows Vista	Internet Explorer 7.0 Firefox 2.0.0.3	JRE 1.6

### Dominion KX II-101 Release 2.0 Features:

1. Local Port
2. Universal Virtual Media
3. Absolute Mouse Synchronization™
4. Common Raritan Browser-Based User Interfaces
5. Command Center Secure Gateway Support via CC-SG Release 3.2.1.
6. Advanced Encryption Standard (AES) Encryption Algorithm



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7. 1600x1200 Remote and Local Server Video Resolution – 1600x1200x60. Larger Set of Supported Server Video Resolutions.
8. Administrator Configurable Strong Password Checking.
9. New Backup and Restore Options.
10. Support of the New PX and Existing Remote Power Control Strips.
11. Configurable Factory Reset Button.
12. Most of the existing KX I-101 features are available including: PC Share mode, internal and external (LDAP, Radius) authentication, color modes, SNMP, Syslog, video scaling, and full-screen mode.

### **Important Notes and Information:**

1. If during the same KVM session a drive read error is encountered after making multiple drive connections to the same target, close and open the KVM connection and perform the Virtual Media connection again (CR#12924)
2. Front-ending KVM switches is not supported in KX II-101 Release 2.0.0. It will be available via firmware upgrade in the near future (CR#12528).
3. Apple Mac clients can not open a direct port access connection (CR#12918, 12925)
4. RADIUS users without a group pre-assigned do not default to “unknown” and therefore can not login until they are assigned a group. (CR#12742)
5. 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.
6. For reliable network communication, configure the KX II-101 and LAN Switch to the same LAN Interface Speed and Duplex. For example, configure both the KX II-101 and LAN Switch to Autodetect (recommended) or set both to a fixed-speed/duplex such as 100Mbps/Full.
7. 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
8. 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.
9. 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.

10. Absolute Mouse Synchronization requires support from the OS. Windows and Mac OS generally support it. Linux and UNIX based OS (HP-UX, Solaris) generally do not.
11. 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.
12. Be careful of the web browser refresh or reload function/button, which has the side-effect of closing VKC sessions.
13. To attach the KX II-101 to a Raritan remote power strip power the DKX2-101-SPDUC must be separately ordered. It is not included with the power strip.
14. 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.
15. A subset of the KX II-101 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 device temporarily from CC-SG management. Then you can access the additional administrative functions via the KX II-101 remote console.

Please contact your local technical support if there are any questions.

### **Upgrade Instructions:**

Dominion KX II-101 ships with the KX II-101 Release 2.0 firmware. The Release Notes for future firmware upgrades will contain the specific upgrade instructions.

KX II-101 2.0.0 Release Notes, Revision 1.2

January 31, 2008

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