please consult the User Manual found on the enclosed CD-ROM.

For more detailed installation and operating instructions,

Zervers

predominantly solid, plain, light-colored graphic. formance, set the OS desktop background to a A. For optimal bandwidth efficiency and video per-

the signal is non-interlaced: refresh rate are supported by Dominion KX, and B. Ensure that the server's video resolution and

1280×1024 @ 60Hz	ZHG7 @ 009x00
zH27 @ 488x2211	ZH27 @ 008x00
ZH09 @ ₽98×2311	ZH09 @ 009×00
zH28 @ 897x₄201	ZH28 @ 087×07
zH27 @ 887x4201	ZH27 @ 084x04
zH07 @ 887x4201	ZH27 @ 084x04
zH03 @ 837x4201	ZH03 @ 084x04
ZH28 @ 009×008	ext Mode

Network / Firewall

of your own designation (see User Manual). can also be configured to use a different TCP port tion on TCP Port 5000. Alternatively, Dominion KX your network and firewall must allow communica-In order to enable remote access to Dominion KX,

HTTP) for additional convenience; Dominion KX wish to allow access to TCP Port 80 (Standard to TCP Port 443 (Standard HTTPS). You may also web browser, your firewall must also allow access Optional: If you wish to access Dominion KX via

I. Prepare Devices and Network for Remote Operation

In this step, you will connect the console used for accessing servers directly at the rack, and use this console to set Dominion KX's IP address.

setting. Disable transition effects in Control Panel

mouse motion speed exactly to the middle speed

Set mouse pointer acceleration to "None" and the

effects in Control Panel > Display > Appearance >

> Mouse > Pointer Options. Disable transition

setting. These options are located in Control Panel

mouse motion speed exactly to the middle speed

Disable "Enhanced pointer precision", and set the

end users to securely use either "http" or "https"

will forward all HTTP requests to HTTPS, allowing

Dominion KX, configure each device which you intend to access via Dominion KX, with the following parameters. This very important installation proce-

Congratulations on your purchase of Dominion KX, the industry's most fully-featured digital KVM (keyboard/video/mouse) switch. Before connecting the

E002 ewobniW \ 9X ewobniW

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network switch or router. "LAN1" on Dominion KX, and the other end to a

Please see the User Manual for more details.

Then issue the "boot" command to reboot.

Macintosh

command:

to exactly 1.

> Display > Effects.

TN \ 86 \ 26 ewobniW

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Raritan Remote Client to "single cursor" mode.

Macintosh system remotely, you must set the

using Dominion KX to access and control a

While no specific mouse setting is required, when

05x837x4201rineessesice screen:r1024x768x70

can be set in the bootprom mode by issuing the

composite sync). This non-default configuration

olution and is outputting VGA (H-and-V Sync, not

sure that your video card is set to a supported res-

Set mouse acceleration to exactly 1.0. Also, be

Set mouse acceleration to exactly 1, and threshold

window, menu, and list animation in Control Panel

setting in Control Panel > Mouse > Motion. Disable

Set mouse motion speed to the slowest

Sun Solaris (with Graphical Desktop)

Linux (with Graphical Desktop)

the following URL into any standard Web browser: can access all administrative functions by entering Runtime Environment 1.4.x (or later) installed, you 10. From any networked workstation with Java

nimbs/223ADDA-91//:qffd

.evods 7 qet2 ni betsngi where IP-ADDRESS is the IP address that you des-

workstation, skipping steps 4 - 9 above. to Dominion KX directly via Ethernet from your performing initial configuration, you may connect to bottem evitantella na cA : EVITANAETLA

"LAN1" port. Ethernet card, and the other end to Dominion KX's cable (included) directly to your workstation's To do so, attach one end of a crossover Ethernet

parameters to: method is to temporarily set your workstation's IP address of Dominion KX: 192.168.0.192. One easy Enable your workstation to access the default IP

Default gateway: 192.168.0.1 Subnet mask: 255.255.255.0 IP Address: 192.168.0.1

192.168.0.192. Dominion KX's default IP address of Then, follow Step 10 above, being sure to use

II. Attach Local User Console and Set IP Address

- Acceletation -

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dure ensures optimal performance and responsiveness when using the remote server access capabilities of Dominion KX.

Mol 🕐 🔊

sevom retring nov fast your pointer moves

Buttons Pointers Motion Hardware

> Display > Effects.

3M \ 0002 swobniW

Adjust how much your pointer accelerates as



tings, and [SSC] to exit the menu. gateway. When complete, press [S] to save the set-KX unit: IP address; subnet mask; and default

Raritan Network Settings

[eeY] etsitogenotuA 64644X 000.000.000.000 AMAC LAYER Parameters S22 S22 S22 000 : Netwisek: Sei.000.881.Sei :ssenbbA 91

↑\↓ to move up/down. S to save. Enter to select. F1 for other help

scings. your Dominion KX unit to enable the new network 8. Press [ESC] again to log out. Power cycle

Ethernet cable (included) to the port labeled 9. Connect one end of a straight-through

> 2. Attach a keyboard and mouse (either PS/2 or Dominion KX unit, and plug into an AC power outlet. Attach the included AC power cord to the

"Local User." ding ports in the back of Dominion KX marked

3. Power ON Dominion KX.

of admin/raritan. rack. Log in with the default username/password between servers while using the KVM switch at the access On Screen Display (OSD), used to choose After booting, you will see Dominion KX's local

USB); and a multisync monitor to the correspon-

5. Press [F5] to enter the Administrative Menu.

.[**AHTER**] seerd 6. Select option #3 ("Network Settings"), and

7. Specify TCP/IP parameters for your Dominion

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DominionTM **KX** Quick Installation and Setup Guide

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III. Connect to Network and Attach Servers

In this step, connect Dominion KX to the network and attach the servers that you wish to manage with Dominion KX.



1. Attach the included AC power cord to the Dominion KX unit, and plug into an AC power source.

2. [Optional] Use a straight-through serial cable to connect an external modem.

3. Connect one end of a straight-through Ethernet cable (included) to the port labeled "LAN1" on Dominion KX, and the other end to a network switch or router

[Optional] For Ethernet redundancy, use a straight-through Ethernet cable to connect the "LAN2" port to another network switch or router. Should the Ethernet connectivity on LAN1 become

unavailable, Dominion KX will failover to this port with the same TCP/IP settings — at all other times, this port will be disabled.

4. Attach a keyboard and mouse (either PS/2 or USB), and a multisync monitor to the corresponding ports in the back of Dominion KX marked "Local User." This Local User Console is used to access servers directly from the rack.

5. Connect one end of a standard, straightthrough UTP cable (Cat5 / 5e / 6) to an unoccupied server port; connect the other end to the RJ45 ports on a Dominion KX Computer Interface Module:

IV. Assign Names to Server Ports

USING LOCAL USER CONSOLE

1. On the local user console, log on with the default username/password of admin / raritan.

2. Press the [F5] key to activate the Administrative Menu, and select Option 5, "Channel Configuration".

3. Select a server port to rename,

and press [ENTER]. When the cursor changes to a green color, assign a name (up to 20 characters) to identify the server connected to that port. Press [ENTER] to complete.

4. Press [S] to save your changes and press [ESC] to exit the menu.

USING WEB BROWSER

1. On any workstation with network connectivity to your Dominion KX, and with Java Runtime Environment 1.4.x (or later) installed, launch a Web browser and enter the URL, http://IP-ADDRESS/admin, where IP-ADDRESS is the IP address that you designated in Step II-7 earlier.

2. The Dominion KX Manager applet will load and launch. Log on with the default username/password of admin / raritan.

3. Use Dominion KX Manager to navigate to the server port that you wish to change, and assign a name (up to 20 characters) to identify that server.

File Edit View Favorites Tools He	lo			
ddress https://192.168.0.192/admin		1 D (
SE Rorfton.		Dominion KX Manager		
Session User Setup View Hel	2			
X A = 5 3 = 0				
And a second second to the second cannot be and		Type	Status	
B - Dominion KY *	Name			

DCIM-PS2 (PS/2 ports); DCIM-USB (USB ports); DCIM-SUSB (USB ports for Sun servers); or DCIM-SUN (Sun ports with HD15 video).

6. Connect the remaining ports on the Computer Interface Module (CIM) to the corresponding KVM ports of a server that you wish to manage using Dominion KX

7. Repeat steps 5 and 6 for to connect all servers that you wish to manage using Dominion KX.

8. Power ON Dominion KX by moving the rocker AC power switch to the ON position.

V. Launch Raritan Remote Client (RRC)

Dominion KX provides secure Web-browser access from any Windows-based computer, enabling remote access to your server(s) without the burden of having software on-hand.

1. Log on to any Windows-based computer with network access to Dominion KX. If you are using Windows NT, 2000, or XP, ensure that you are not a "restricted" user.

2. Launch Internet Explorer, Mozilla, or Netscape. Ensure that your security settings allow the download and execution of ActiveX controls.

NOTE: The IE default security setting of "Medium" is sufficient.

3. In the URL text field of your Web browser, enter the IP address you assigned earlier in Step II-7.

🚰 Raritan Remote Client - Microsoft Internet Explorer				
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>I</u> ools <u>H</u> elp				
Address http://192.168.0.192				

Raritan.

Raritan Remote Client

» 1.21.2003 16:56:34.358 Raritan Remote Client loading...

4. Raritan Remote Client (RRC), the applet used to access and control servers connected to Dominion KX, will automatically launch and display all Dominion KX units located on the same network subnet. If your Dominion KX unit is not automatically detected, select Connection > New Profile in the menu bar to create a new entry.

5. Double-click on the entry corresponding to your Dominion KX, and log on with the default username/password of admin/raritan. Double-click on a port to connect to the connected server with full BIOS-level control.

VI. Remotely Access and Control Connected Servers

Familiarize yourself with the features of Raritan Remote Client (RRC). After logging on to your unit with the default username/password (admin / raritan), use the RRC Navigator found on the left-hand side of the RRC window to select and connect to a port.



Color Calibration

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B CRM_AppServer1

- 📕 CRM_AppServer1

RM_DBServer1

- CRM DBServer2

BNAS_Marketing2

ReopleSoft AppSvr1

CRM_WebServer1

🔜 DomainServer_Marketing

B DomainServer Marketing

BMSExchange_Marketing

VII. Maximize Remote KVM Performance

Dominion KX's dynamic video compression algorithms maintain usability of KVM consoles under varying bandwidth environments. Dominion KX can optimize its output not just for the corporate LAN, but also for lower-bandwidth WAN and dial-up connections. By adjusting color depth and limiting video output, Dominion KX offers the optimal balance between video quality and system responsiveness in any bandwidth constraint. Familiarize yourself with the following parameters to adjust performance options even further.

Video Smoothing

Setting the video smoothing level too high can prohibit Dominion KX from correctly transmitting color gradations.

On the menu bar, select Connection > **Properties** to adjust the Smoothing level to an appropriate setting for your environment.

Noise Filter

All video graphics cards generate electrical noise that cannot be seen by the naked eye when displayed on a monitor. Dominion KX reduces the bandwidth it consumes by intelligently ignoring extraneous signal noise.

Setting the noise filter too high can prohibit Dominion KX from correctly transmitting screen changes.

On the menu bar, select Video > Video Settings to adjust the Noise Filter level to an appropriate setting for your environment.

2. On the RRC menu bar, select Video > Calibrate Color to perform the color calibration.



1. The RRC Navigator displays any known Dominion KX units in a single view. Select Connection > New Profile to create new entries.

2. Click on "Synchronize Mouse" to converge the mouse pointers displayed in KVM windows. Should your mouse pointers fail to converge, be sure to review Section I ("Prepare Devices and Network for Remote Operation", above) to correctly configure your managed server.

3. The RRC Toolbar provides easy access to RRC's most frequently-used features.

4. Double-click on server port to establish access to and BIOS-level control of the server's KVM ports

Double-clicking another server port on the same Dominion KX unit will switch your session to that server. If your Dominion KX hardware model supports multiple simultaneous remote server connections, you can right-click on a port to open an additional session.

5. The RRC Status Bar provides real-time information on connection parameters.

6. When connected to a KVM console port, keystrokes and video signals are transmitted in real-time, exactly as if you were situated locally.

Some video cards output non-standard signal levels. Perform a color calibration upon inital setup to optimize transmitted color for accuracy:

1. On the remote server desktop that you are controlling with Dominion KX, ensure that a solid white color covers approximately 15% or more of the screen. One simple way to accomplish this is to open the Notepad application and maximize its window size:



If you have any questions during your Dominion KX installation, please consult the User Manual, and feel free to contact your regional Raritan Technical Support center.