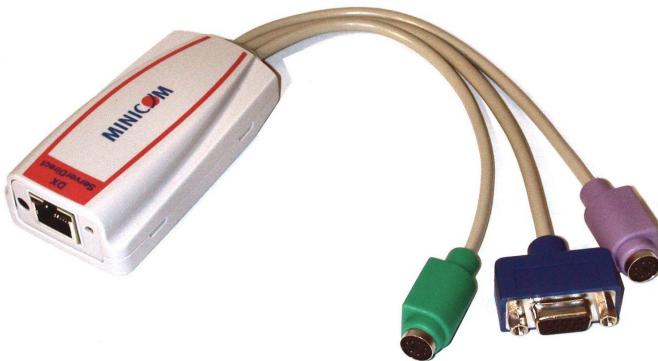


# DX ServerDirect Quick Installation Guide



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## 1. What is the DX ServerDirect?

The DX ServerDirect is a DX system accessory.

When failure occurs in your data center and you need direct access to a server, the DX ServerDirect acts as a crash cart giving you direct control of the server. Simply connect the DX ServerDirect to the X-RICC. The X-RICC keeps the keyboard and mouse emulation alive. The DX ServerDirect gives you remote access from a server room, rack or KVM switch up to 70m/230ft away.

## 2. Features

- Up to 1600 x 1200 @ 75Hz (depending on distance)
- Advanced CAT5 technology
- Multi-platform - PS/2 / SUN/ USB
- Field firmware upgrade
- 3 year warranty

## 3. The DX ServerDirect configuration

The figure below illustrates the DX ServerDirect configuration. The DX ServerDirect connects to a standard PS/2 keyboard and mouse and a monitor. Connect a CAT5 cable to the DX ServerDirect and to the following X-RICC types- PS/2, SUN and USB. Use the PS/2 KVM console to operate PS/2, SUN or USB servers.

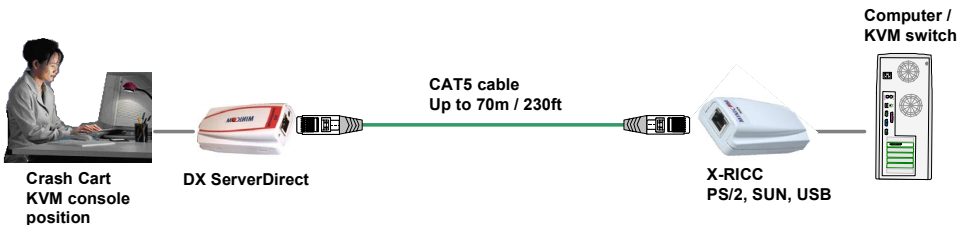


Figure 1 The DX ServerDirect configuration

#### 4. Connecting the DX ServerDirect

When the DX System crashes, do the following:

1. From the DX Central unit disconnect the CAT5 cable of the desired computer.
2. Connect the CAT5 cable to the DX ServerDirect
3. Connect the DX ServerDirect to a PS/2 KVM console as illustrated below.

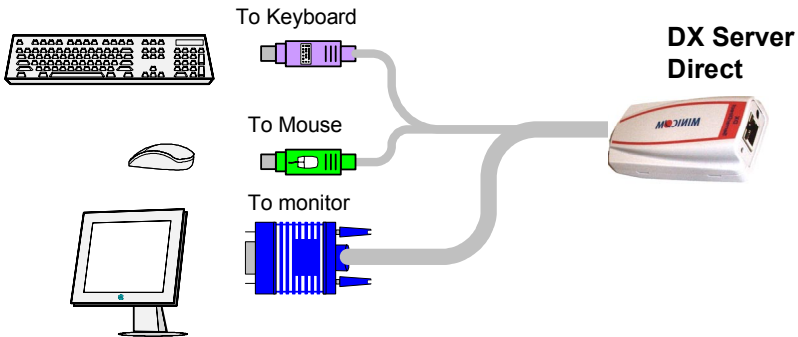


Figure 2 The DX ServerDirect connections

#### 5. Power supply

Connect the supplied 5VDC Power adapter to the DX ServerDirect.

**Important!** Connect the Power adapter only after connecting the keyboard and mouse to the DX ServerDirect.

#### 6. LED indicators

The DX ServerDirect has 2 LEDs above the RJ45 port.

The green LED indicates power is on. The flashing yellow LED indicates the DX ServerDirect is connected via the CAT5 cable to the X-RICC and that it is operational.

#### 7. Picture adjuster

To get a clear projected image, use a screwdriver to turn the picture adjuster on the DX Server Direct unit.

#### 8. Upgrading the firmware

Download the Update software and the latest firmware from our Website [www.minicom.com](http://www.minicom.com) in the Support section. There you will also find instructions on how to perform the upgrade.

## 9. Configuration options

Configure the DX ServerDirect system to:

- Work with Unix servers
- Input the monitor's DDC information
- Change the **Shift** hotkey to **Ctrl**

When you enter the configuration mode by pressing **Shift-Tab** on the keyboard connected to the DX ServerDirect (see below), all 3 keyboard LEDs illuminate. Pressing **Esc** exits the configuration mode and the LEDs return to normal.

**Note!** Release each key before pressing the next one.

### Working with Unix servers

Configure the system to work with Unix servers..

- For HP UX, SGI and Open VMS, press **Shift-Tab-U-1-Esc**
- For Alpha Unix, press **Shift-Tab-U-2-Esc**
- For AIX, press **Shift-Tab-U-3-Esc**

DX ServerDirect works with SUN servers without needing configuration.

### Display Data Channel (DDC) hotkey

Display Data Channel is a VESA standard for communication between a monitor and a video adapter

To input the monitor's DDC information into the X-RICC's memory, press:

**Shift-Tab-D-Esc.**

Update the DDC information if you replace the monitor. To do so, repeat the above hotkey sequence.

### Changing the Shift hotkey to Ctrl

You can change the hotkey to **Ctrl**. Once you do so, replace all the instances of **Shift** appearing above to **Ctrl**.

To change to **Ctrl** press:

**Shift-Tab-C-Esc.**

To change back to **Shift** press:

**Ctrl-Tab-S-Esc.**

## 10. Technical specifications

### System

<b>System cable</b>	CAT5/6/7 cable 2x4x24 AWG Solid Wire
<b>Maximum distance</b>	70m/230ft
<b>Mouse support</b>	2 or 3 or 5 button PS/2, Wheelmouse, Intellimouse Explorer
<b>Operating systems</b>	All major operating systems
<b>Screen resolution</b>	Up to 1600X1200 @ 75Hz (depending on cable length)
<b>Warranty</b>	3 years
<b>Operating temp.</b>	0°C to 40°C/32°F to 104°F
<b>Storage temp.</b>	-40°C to 70°C/-40°F to 158°F
<b>Humidity</b>	80% non condensing relative humidity

<b>DX ServerDirect</b>	
<b>Cables &amp; Connectors</b>	VGA – HDD15F Keyboard – MiniDin6F Mouse – MiniDin6F System – RJ45
<b>Power supply</b>	External switching power adapter 5V DC, 110/240 VAC
<b>Dimensions</b>	89 x 46 x 25.3mm / 3.5 x 1.8 x 0.9"
<b>Shipping weight</b>	552g/1.21lb

## 11. USB SUN Combo keys

The connected PS/2 keyboard does not have a special SUN keypad to perform special functions in the SUN Operating System environment. So when a USB or SUN X-RICC is connected to a SUN computer, the X-RICC emulates these SUN keys using a set of key combinations called Combo keys. See the table below.

SUN key	Combo key
Stop	Left <b>Ctrl</b> + <b>Alt</b> + <b>F1</b>
Props	Left <b>Ctrl</b> + <b>Alt</b> + <b>F3</b>
Front	Left <b>Ctrl</b> + <b>Alt</b> + <b>F5</b>
Open	Left <b>Ctrl</b> + <b>Alt</b> + <b>F7</b>
Find	Left <b>Ctrl</b> + <b>Alt</b> + <b>F9</b>
Again	Left <b>Ctrl</b> + <b>Alt</b> + <b>F2</b>
Undo	Left <b>Ctrl</b> + <b>Alt</b> + <b>F4</b>
Copy	Left <b>Ctrl</b> + <b>Alt</b> + <b>F6</b>
Paste	Left <b>Ctrl</b> + <b>Alt</b> + <b>F8</b>
Cut	Left <b>Ctrl</b> + <b>Alt</b> + <b>F10</b>
Help	Left <b>Ctrl</b> + <b>Alt</b> + <b>F11</b>
Compose	Application key or Left <b>Ctrl</b> + <b>Alt</b> + Keypad *
Crescent	<b>Scroll Lock</b>
Volume Up	Left <b>Ctrl</b> + <b>Alt</b> + Keypad –
Volume Down	Left <b>Ctrl</b> + <b>Alt</b> + Keypad +
Mute	Left <b>Ctrl</b> + <b>Alt</b> + <b>F12</b>
Sun Left ◊ key	Left <b>Windows</b> key
Sun Right ◊ key	Right <b>Windows</b> key
Alt-Graph	Right <b>Alt</b> or <b>Alt Gr</b>
Stop A	Left <b>Ctrl</b> + <b>Alt</b> + 1