The B070-016-19-IP has two sets of firmware; one to control IP access, and the other to control the KVM's Mainboard and OSD. The Mainboard/OSD firmware is also used to upgrade the firmware of the Server Interface Units (B078-101-PS2 and B078-101-USB) that are used with the KVM. The IP firmware is upgraded via the internet by accessing the KVM's web configuration interface. The Mainboard/OSD firmware is upgraded at the local console via a Windows based firmware upgrade utility. This document describes the upgrade procedures associated for both the IP and Mainboard/OSD firmware.

IP Firmware Upgrade

Upgrading the IP firmware

1. Log into the KVM web configuration interface and access the *Device Upgrade* section.

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- 2. The current IP firmware version will be displayed in the center of this screen. Compare the current version with the version on Tripp Lite's website to determine if you need to upgrade your KVM.
- 3. Click the *Browse* button and navigate to the IP firmware file that you downloaded from Tripp Lite's website.
- 4. When the IP firmware file is selected, an *Upgrade* button will appear on the *Firmware Upgrade* screen. Click on this button to begin the firmware upgrade.
- 5. When the upgrade is complete, you will be asked to reboot the KVM. Click on the *Reboot* button that appears.

Mainboard/OSD Firmware Upgrade

Firmware Upgrade Computer Requirements:

- Windows 2000 or higher operating system
- Pentium 166 or higher with 16MB RAM and 10MB free hard drive space
- Available DB9 serial port

Installing the Upgrade Utility on a PC for the First Time

The following steps are needed only when using the Upgrade Utility for the first time.

- 1. Connect the Firmware Upgrade Cable between the upgrade port on the back of the unit and a serial port on a computer that is NOT connected to a KVM port.
- 2. Run the *Firmware Upgrade Utility* file, and follow the setup screens to install the upgrade utility on your computer.



When the installation is complete, clicking the *Finish* button will automatically open the *Firmware Upgrade Utility*, and a shortcut will be installed on your desktop. To access the *Firmware Upgrade Utility* in the future, simply double-click the desktop shortcut icon that has been created.

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-NetCommander IP	Switch Unit					
NetCommander IP Switch						
NetCommander Server Interface Units						
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Upgrade Utility Opens

Checking the Firmware Version

Before upgrading the firmware on your KVM and/or SIUs, you must first check the firmware version to see if an update is needed. To do this, follow the steps below:

- 1. Check (\checkmark) the *NetCommander IP Switch* box at the top of the utility.
- 2. Click the *F/W Version* button at the bottom of the utility to display the three firmware versions associated with the B070-016-19-IP, and verify each firmware version is correct. Reference the *B070-016-19-IP and B078-101-xxx FW Notes.doc* file included with the firmware files on the Tripp Lite website for the most current firmware version.



3. Check (✓) each box in the middle of the utility that is next to a SIU that you want to check the firmware of. You can also use the *Select All* button at the bottom of the utility to select all of the SIUS. The *Unselect All* button does the opposite. When you've checked all of the desired SIU boxes, click the *F/W Version* button at the bottom of the utility, and verify the firmware version is correct. Reference the *B070-016-19-IP and B078-101-xxx FW Notes.doc* included with the firmware files on the Tripp Lite website for the most current version.

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04. NetComma	nder Server Interface	Unit 04			
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06. NetComma	nder Server Interface	Unit 06			
07. NetComma	nder Server Interface	Unit 07			
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Upgrading the Firmware

1. In the *Options* menu at the top of the screen, select the *Com Port* option, and choose the com port of the upgrade computer that the firmware upgrade cable is connected to.

	🛃 Communication Port	×
	Com Port No.	19
		110
NetCommander CAT5 KVM Switch Update		(11
le Options Help		112
Advanced M Switch OSD		(13
Get Number of Ports M Switch Manag		114
NetCommander Server Interface Units		(15
	о сомв о сом	(16
	0K	Cancel

2. If the *NetCommander IP Switch* needs to be upgraded, check (✓) the box next to it at the top of the utility.

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	and the other of the other					
NetCommander Se	rver Interface Units					
01. NetComma	nder Server Interface	Unit 01				
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Select All	Unselect All	Start	F/W Version	H/W Version	Cancel	

3. Select the *Open* option in the *File* menu. Navigate to and select the firmware upgrade file you downloaded from the Tripp Lite website. Reference the *B070-016-19-IP and B078-101-xxx FW Notes.doc* included with the firmware files on the Tripp Lite website to find out which firmware file to use.

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D2. NetCommander Server Interface Unit 02 O3. NetCommander Server Interface Unit 03	Ny Network, Free or gype. [Parmisse Filds ["Tip: Nex] Con Places Configuration of the configu	

4. Click on the *Start* button at the bottom of the upgrade utility to begin the upgrade. A prompt will appear to warn you that the KVM screen will be dark during the upgrade process. Click on the *OK* button to proceed with the upgrade.

le Options Help						
NetCommander IP	Switch Unit					
NetComma	nder IP Switch					
NetCommander Se	rver Interface Units -					
01. NetComma	nder Server Interface	Unit 01				
02 NetComma	nder Server Interface	Unit 02				
03. NelComma	nder Server Interface	Unit 03				
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06. NelComma	nder Server Interface	Unit 06				
07. NetComma	nder Server Interface	Unit 07				
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Click on the Start button

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03. NetComma	ider Server Interfa	ce Unit 03 FAV Ver	- NetCommander SIU I	II USB En v2.2 <u>C15 I</u>	815311/02/2009	
04. NetComman	ider Server Interfa	ce Unit 04				
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5. A prompt will appear asking you if you want to set the OSD to its default settings. If yes, click the *Yes* button, if not, click the *No* button. The upgrade will finish, and the new firmware version will be displayed.

Warning Image: Do You want to set default values for the OSD (Y/N)? Image: Yes	
😤 Version Report	
Translator F/W Ver - TRANS Ver 1.0 B26 22/01/2008 Manager F/W Ver - MST 1.6 B253 21/12/2008 000 E/W Ver - 00 Not - 10 B137 21/01/2009	-
050 F7W Vel - 050 Vel 1.0 B157 22201/2008	
	-
AU	
Ungrade finished	

6. If the *NetCommander Server Interface Unit* firmware needs to be updated, check (✓) the box in the middle of the utility next to each SIU that needs to be updated.

🛃 NetCommand	er IP Switch Up	date					
File Options Help							
NetCommander IP	Switch Unit						
NetComma	ander IP Switch						
- NetCommander S	erver Interface Units						
01. NetComma	ander Server Interfac	e Unit 01					
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04. NetComma	ander Server Interfac-	a Unit 04					
05. NetComma	ander Server Interfac-	a Unit 05					
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Select All	Unselect All	Start	F/W Version	H/W Version	Cancel		
File Name:			Chale	un Deurine in fran	10.51 DM		

 Select the *Open* option in the *File* menu. Navigate to and select the firmware upgrade file you downloaded from the Tripp Lite website. Reference the *B070-016-19-IP and B078-101-xxx FW Notes.doc* included with the firmware files on the Tripp Lite website to find out which firmware file to use.

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Open					
C:\Documents and Settings\admin\Desktop\TrippLite_Package_Cirque_Touchpad_20090426.tfp C:\Documents and Settings\admin\Desktop\TrippLite Package_20090106.tfp	My Compute				
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O2. NetCommander Server Interface Unit 02 O3. NetCommander Server Interface Unit 03	My Network Places	Files of type:	Firmware Files (".tfp;".hex) Open as jead-only	-	Cancel

8. Click on the *Start* button at the bottom of the upgrade utility to begin the upgrade. A prompt will appear to warn you that the KVM screen will be dark during the upgrade process. Click on the *OK* button to proceed with the upgrade. When the upgrade completes, the new firmware version will be displayed next to each updated SIU.

🛓 NetCommander IP Switch Update	
File Options Help	
NetCommander IP Switch Unit	
NetCommander IP Switch	
NetCommander Server Interface Units	
01. NetCommander Server Interface Unit 01	
02. NetCommander Server Interface Unit 02	
03. NetCommander Server Interface Unit 03	F/W Ver - NetCommander SIU II USB En v2.2 C15 B153 11/02/2009
04. NetCommander Server Interface Unit 04	
05. NetCommander Server Interface Unit 05	
06. NetCommander Server Interface Unit 06	
U7. NetCommander Server Interface Unit U7	
06. NetCommander Server Interface Unit 08	
10. NetCommander Server Interface Unit US 10. NetCommander Server Interface Unit 10.	
11. NetCommander Server Interface Unit 10	
12. NetCommander Server Interface Unit 12	
13 NetCommander Server Interface Unit 13	
14 NetCommander Server Interface Unit 14	
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Select All Unselect All Star	t F/W_Version H/W_Version Cancel
File Name:	Status: Device is free 12:51 PM

Click on the Start button





Upgrade finished