



USB PERIPHERAL SWITCH



USER MANUAL

US-221/US-421

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

This package contains:

- 1 US-221 or US-421 USB Peripheral Switch
- 1 USB Cable
- 1 Software CD ROM
- 1 User Manual and 1 ATEN Product Guide

If anything is damaged or missing, contact your dealer.

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TROUBLESHOOTING

Note: First make sure that there are no problems with the cables, and that they are all properly connected.

Problem	Cause	Action
Unit Operates Erratically	Static electricity may cause the unit to operate erratically.	Unplug the appropriate USB cable from the US-221/US-421 port, then reinsert it.

SPECIFICATIONS

Function	US-221	US-421
Console Connection	2	4
Computer Selection	Hotkey, Panels, Windows AP only	
Connectors	Computer Console	4 x USB type B 1 x USB type A
LEDs	Devices Port Select	1 x Orange 4 x Green
Environment		Humidity: 0-80% RH, Non-condensing Storage Temperature: -20-60° C Operating Temperature: 5-40° C
Enclosure		ABS
Dimensions (L x W x H) mm	71.9 x 65.9 x 25	101.8 x 75.5 x 23
Protection		Poly fuse
Power Supply		Bus

LIMITED WARRANTY

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK, OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and especially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquiries, please contact your direct vendor.

USB 2.0 SWITCH PROGRAM:

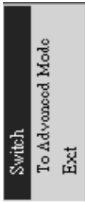
Software Installation (Windows Only):

1. Insert the CD disk included with your switch into the CD drive. Double click the USB 2.0 Peripheral Switch Icon. Select *Install* from the Menu and follow the Installation Wizard.
2. When the installation completes, an icon, labeled *USB 2.0 Switch*, appears on your desktop.

Standard Operation:

To select a computer to have access to the peripheral focus with the USB 2.0 Switch Program:

1. Right click the USB 2.0 Switch icon (at the right corner of the System Tray). The following screen appears:

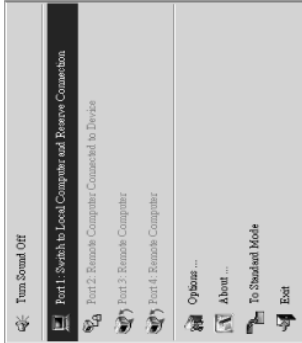


The switch is in *Standard Mode*.

2. Select *Switch* to take the focus from the current port.

Advanced Mode Operation:

1. Right click the USB 2.0 Switch icon (at the right corner of the System Tray) and select *Advanced Mode*.
2. Right click the USB 2.0 Switch icon again and select the specific computer you want to give the peripheral focus to.



Options selection provides the following choices:

- Enable Software Sound On/Off.
- Enable Switch and Reserve.

Allows the computer that enabled this function to hold peripheral focus, preventing other users from taking it away.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Subpart J of Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.



SYSTEM REQUIREMENTS

- A USB Host Controller installed on the computer
- An OS that supports the USB specification
- Win98SE or higher for optional switch software and hotkey options

OVERVIEW

The US-221/US-421 is a two (US-221) and four (US-421) port USB Switch that allows up to two or four PCs to share the use of a single USB peripheral device (such as a printer, scanner, modem, etc.), on a one-at-a-time basis.

The peripheral focus is given to a computer either manually, with hotkeys, or a Windows based AP.

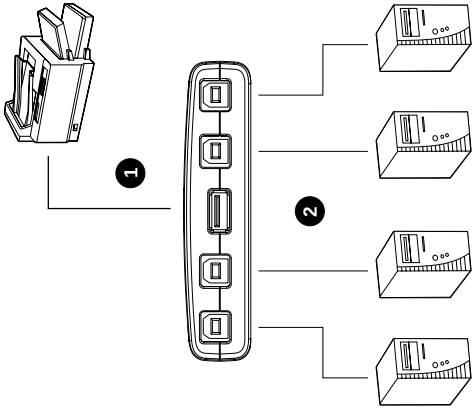
FEATURES

- USB 2.0 compliant
- Bus powered - no external power supply necessary
- Up to two (US-221) or four (US-421) computers can share a single USB 2.0 device
- Supports transfer rates of 1.5/12/480 Mbps
- Plug & Play
- Hot pluggable - USB devices can be plugged and removed without having to reset the system
- LED status indicators
- Hotkey (Windows OS only) or manual switching for easy computer selection
- Overcurrent protection
- Buzz confirmation when switching
- Windows based AP for easy status monitoring/switching
- Simple to install - No driver needed

INSTALLATION

The US-221 and the US-421 provide two and four Type B USB ports for computers to connect to, and one Type A USB port for the peripheral device (printer, scanner, modem, etc.), that they will share. To connect the US-221/ US-421 and select an active computer, refer to the diagram on the opposite page and do the following:

1. Plug the type A Connector end of a USB cable into the peripheral device's USB port; plug the type A Connector into the US-221/US-421's type A port.
2. Plug the type B Connector end of a USB cable into any available port on the US-221/US-421; plug the type A Connector into the computer's USB host port.
3. Repeat Step 2 for any other computers you are connecting.



OPERATION

MANUAL:

US-221; For the US-221, to toggle the peripheral focus between the two computers, press the port selection switch (located on the top of the unit). Press and hold the port selection switch for 3 sec. to switch to the next port and lock the focus.

US-421; For the US-421, to switch the peripheral focus to another port, press the button which corresponds to the port you want to give focus to. Press and hold the port selection switch for 3 sec. to switch to the next port and lock the focus.

HOTKEY PORT SWITCHING (WINDOWS ONLY):

- Press [Num Lock] twice to bring the peripheral focus to your computer.
- Press [Scroll Lock] twice to move peripheral focus from the current port to the next port.