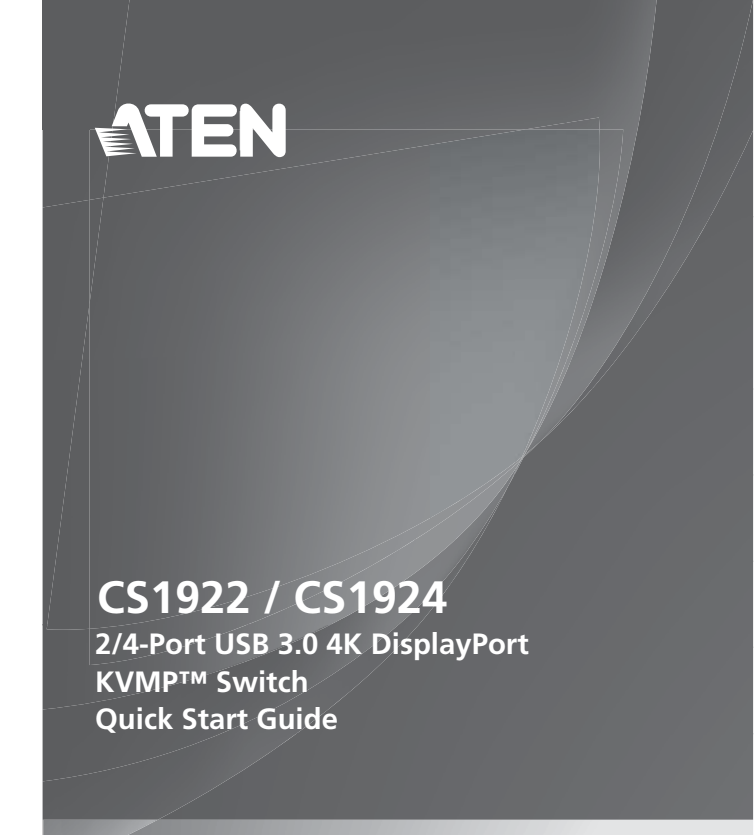




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This product is RoHS compliant.

Part No. PAPE-1223-F80G Printing Date: 04/2019



A Overview

Front view

- 1 Port Selection Pushbuttons
- 2 Port LEDs
- 3 Audio Ports
- 4 USB 3.0 Hub

Rear view

- 1 Console Ports
- 2 KVM Ports
- 3 Power Jack
- 4 USB 3.0 Hub

B Installation

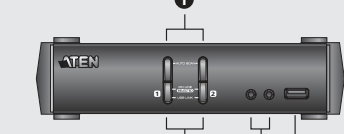
Hardware

To set up the switch, refer to the diagram above and do the following:

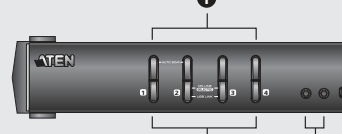
- 1 Plug the USB keyboard and mouse into the console ports on the rear panel.
- 2 Plug the monitor into the DisplayPort console port and power on the monitor.
- 3 Plug the main microphone and speakers into the microphone and speaker jacks on the front panel. These ports have priority over those on the rear panel.
- 4 (Optional) Plug the secondary microphone and speakers into the console audio ports on the rear panel.
- 5 Using the cables provided with this package, plug the DisplayPort, USB 3.0, microphone, and speaker connectors into their corresponding sockets in the KVM Port section of the switch.
- 6 At the other ends of the cables, plug the DisplayPort, USB 3.0, microphone,

A Overview

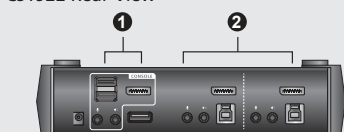
CS1922 Front View



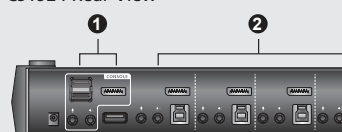
CS1924 Front View



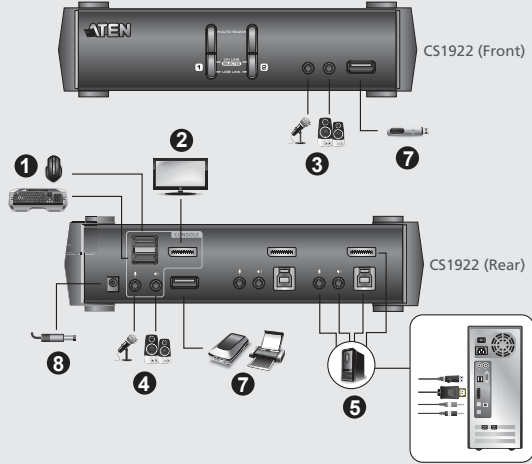
CS1922 Rear View



CS1924 Rear View



B Installation



To prevent damage to your installation from power surges or static electricity, it is important that all connected devices are properly grounded.

Package Contents

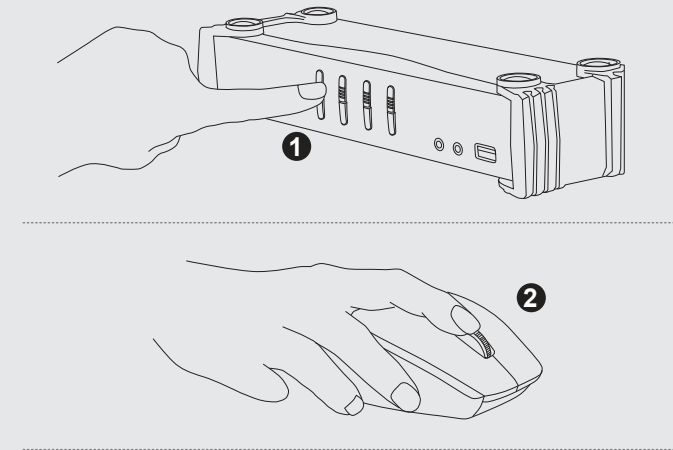
CS1922

- 1 2-Port USB 3.0 4K DisplayPort KVM™ Switch
- 2 DisplayPort Cables
- 2 USB 3.0 Cables
- 4 Audio Cables
- 1 Power Adapter
- 1 User Instructions

CS1924

- 1 4-Port USB 3.0 4K DisplayPort KVM™ Switch
- 4 DisplayPort Cables
- 4 USB 3.0 Cables
- 8 Audio Cables
- 1 Power Adapter
- 1 User Instructions

C Operation



3 Scroll Lock + Scroll Lock + Enter

Support and Documentation Notice

All information, documentation, firmware, software utilities, and specifications contained in this package are subject to change without prior notification by the manufacturer.
To reduce the environmental impact of our products, ATEN documentation and software can be found online at <http://www.aten.com/download/>

Technical Support

www.aten.com/support

Scan for more information



EMC Information

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device must not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.

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CS1922 / CS1924 2/4-Port USB 3.0 4K DisplayPort KVM™ Switch

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A Overview

Front view

- 1 Port Selection Pushbuttons
- 2 Port LEDs
- 3 Audio Ports
- 4 USB 3.0 Hub

Rear view

- 1 Console Ports
- 2 KVM Ports
- 3 Power Jack
- 4 USB 3.0 Hub

B Installation

Hardware

To set up the switch, refer to the diagram above and do the following:

- 1 Plug the USB keyboard and mouse into the console ports on the rear panel.
- 2 Plug the monitor into the DisplayPort console port and power on the monitor.
- 3 Plug the main microphone and speakers into the microphone and speaker jacks on the front panel. These ports have priority over those on the rear panel.
- 4 (Optional) Plug the secondary microphone and speakers into the console audio ports on the rear panel.
- 5 Using the cables provided with this package, plug the DisplayPort, USB 3.0, microphone, and speaker connectors into their corresponding sockets in the KVM Port section of the switch.
- 6 At the other ends of the cables, plug the DisplayPort, USB 3.0, microphone,

and speaker connectors into their respective ports on the computer.

- 7 (Optional) Plug the USB peripherals into the type A sockets in the USB 3.0 hub sections.
- 8 Plug the power adapter (provided with this package) into the switch's Power Jack and then plug the other end into a DC power source.
- 9 Power on the computers.

C Operation

There are three convenient methods to switch between the computers: Manual – by pressing the port selection pushbuttons on the front panel, Mouse – by clicking the scroll wheel of the mouse, and Hotkey – by entering combinations on the keyboard.

1 Manual Switching

For manual port selection: Press a front panel port selection pushbutton once to bring the KVM, audio, and USB focus to the computer attached to the corresponding port.

2 Mouse Switching

For mouse port selection: Double-click the scroll wheel of your USB mouse to cycle through the ports.

1. Mouse switching is only supported by USB 3-key scroll wheel mice.
2. Mouse switching is disabled by default.*
3. Mouse switching is only supported when Mouse Emulation is enabled.*

*See Hotkey Setting Mode section to enable mouse switching.

3 Hotkey Switching

All port switches from the keyboard begin by pressing the Scroll Lock key twice. The tables below describe the actions used to switch ports.

Cycling through Ports

Hotkey	Action
[Scroll Lock] [Scroll Lock] [Enter]	Moves the KVM, USB hub, and audio focus from the current port to the next port on the switch (1 to 2 and 2 to 1 for the CS1922) (1 to 2, 2 to 3, 3 to 4, and 4 to 1 for the CS1924). Note: The KVM, USB hub, and audio focus all go to these ports even if they were initially on different ports.

Going Directly to a Port

Hotkey	Action
[Scroll Lock] [Scroll Lock] [n] [Enter]	Moves the KVM, USB hub, and audio focus to the computer attached to the port corresponding to the specified Port ID. The [n] stands for the computer's Port ID number (1, 2, 3, or 4). Note: The KVM, USB hub, and audio focus all go to these ports even if they were initially on different ports.

Hotkey Setting Mode

Hotkey Setting Mode (HSM) is used to set functions on the switch. Invoke HSM and then press a key in the table below to perform the corresponding function.

To invoke HSM, do the following:

1. Press and hold the Num Lock key.
2. Press and release the minus key.
3. Release the Num Lock key.

HSM Summary Table

Key	Function
[F2]	Enables Mac keyboard emulation.
[F10]	Automatically detects and sets the keyboard operating platform.
[F4]	Lists the current switch settings. After pressing [F4], open a text editor and select paste to list the settings.
[F5]	Performs a reset on all USB devices.
[E]	Enables/Disables the Power on Detection feature.
[H]	Toggles between the default (Num Lock) [-] and alternate ([Ctrl] [F12]) HSM invocation keys.
[M]	Toggles mouse emulation On and Off.
[R] [Enter]	Resets the hotkey settings to their default status.
[u] [p] [g] [r] [a] [d] [e] [Enter]	Invokes Firmware Upgrade Mode.
[W]	Enables/Disable mouse port switching.

Commutateur KVM™ CS1922 / CS1924 2/4 Ports USB 3.0 4K DisplayPort

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A Vue d'ensemble

Vue de devant

- 1 Boutons poussoirs de sélection de port
- 2 LED de port
- 3 Ports audio
- 4 Concentrateur USB 3.0

Vue de derrière

- 1 Ports console
- 2 Ports KVM
- 3 Fiche d'alimentation
- 4 Concentrateur USB 3.0

B Installation

Matériel

Pour installer le commutateur, reportez-vous au schéma ci-dessus et effectuez les étapes suivantes :

- 1 Branchez le clavier et la souris USB sur les ports de la console au niveau du panneau arrière.
- 2 Branchez le moniteur sur le port DisplayPort de la console et l'alimentation sur le moniteur.
- 3 Branchez le microphone principal et haut-parleurs sur les prises microphone et haut-parleur au niveau du panneau avant. Ces ports ont la priorité sur ceux du panneau arrière.
- 4 (Optionnel) Branchez le microphone et les haut-parleurs secondaires sur les ports audio de la console au niveau du panneau arrière.
- 5 En utilisant les câbles fournis dans l'emballage, branchez les connecteurs DisplayPort, USB 3.0, microphone et haut-parleurs sur les prises correspondantes dans la section Port KVM du commutateur.
- 6 Aux autres extrémités des câbles, branchez les connecteurs DisplayPort, USB 3.0, microphone et haut-parleurs sur les connecteurs des ports respectifs de l'ordinateur.

- 7 (Optionnel) Branchez les périphériques USB sur les prises de type A dans les sections USB 3.0 du concentrateur.
- 8 Branchez l'adaptateur secteur (fourni dans l'emballage) sur la prise d'alimentation du commutateur, puis reliez l'autre extrémité à une source d'alimentation CC.
- 9 Allumez les ordinateurs.

C Fonctionnement

Il y a trois méthodes pratiques pour commuter entre les ordinateurs : Manuelle - en appuyant sur les boutons poussoirs de sélection du port du panneau avant, à la souris - en cliquant sur la molette de défilement de la souris, et par touche de raccourci - en entrant des combinaisons de touches sur le clavier.

1 Commutation manuelle

Pour la sélection manuelle du port : Appuyez une fois sur un bouton poussoir de sélection du port du panneau avant pour amener la cible KVM, audio, et USB sur l'ordinateur connecté au port correspondant.

2 Commutation à la souris

Pour la sélection du port à la souris : Double-cliquez sur la molette de défilement de votre souris USB pour basculer de façon cyclique entre les ports.

Remarque :

1. La commutation à la souris est uniquement prise en charge par les souris à 3 boutons et molette de défilement USB.
2. La commutation à la souris est désactivée par défaut.*
3. La commutation à la souris est uniquement prise en charge lorsque l'émulation de souris est activée.

* Consultez la section Mode de réglage des touches raccourci pour activer la commutation à la souris.

3 Commutation par touche de raccourci

Tous les commutations de ports à partir du clavier commencent en appuyant deux fois sur la touche Arrêt Défilement. Les tableaux ci-dessous décrivent les actions à utiliser pour commuter les ports.

Commutation cyclique des ports

Raccourci	Action
[Arrêt défil] [Arrêt défil] [Entrée]	Déplace la cible KVM, concentrateur USB et audio depuis le port actuel jusqu'au port suivant sur le commutateur (de 1 à 2 et de 2 à 1 pour le CS1922) (de 1 à 2, de 2 à 3, de 3 à 4, et de 4 à 1 pour le CS1924). Remarque : Les cibles KVM, concentrateur USB et audio vont toutes vers ces ports, même si elles étaient initialement sur des ports différents.

Aller directement à un port

Raccourci	Action
[Arrêt défil] [Arrêt défil] [n] [Entrée]	Déplace la cible KVM, concentrateur USB et audio vers l'ordinateur connecté au port correspondant à l'ID Port indiqué. Le [n] représente le numéro d'ID Port de l'ordinateur (1, 2, 3 ou 4). Remarque : Les cibles KVM, concentrateur USB et audio vont toutes vers ces ports, même si elles étaient initialement sur des ports différents.

2/4-Port-USB-3.0-4K-DisplayPort-KVM™-Switch CS1922 / CS1924

A Übersicht

Ansicht von vorne

- 1 Anschlussauswahltasten
- 2 Anschluss-LEDs
- 3 Audioanschlüsse
- 4 USB-3.0-Hub

Ansicht von hinten

- 1 Konsolenports
- 2 KVM-Ports
- 3 Netzanschluss
- 4 USB-3.0-Hub

B Installation

Hardware

Beachten Sie zur Einrichtung des Switch die obige Abbildung und gehen Sie wie folgt vor:

- 1 Schließen Sie USB-Tastatur und -Maus an den Konsolenanschlüssen an der Rückblende an.
- 2 Schließen Sie den Monitor am DisplayPort-Konsolenanschluss an und schalten Sie ihn ein.
- 3 Schließen Sie das Hauptmikrofon und Lautsprecher an den Mikrofon- und Lautsprecheranschlüssen an der Frontblende an. Diese Anschlüsse haben Priorität gegenüber denen an der Rückblende.
- 4 (Optional) Schließen Sie das sekundäre Mikrofon und Lautsprecher an den Konsolenaudioanschlüssen an der Rückblende an.
- 5 Verbinden Sie DisplayPort-, USB-3.0-, Mikrofon- und Lautsprecheranschlüsse über die mitgelieferten Kabel mit den entsprechenden Anschlüssen im KVM-Anschlussbereich des Switch.
- 6 Schließen Sie am anderen Ende der Kabel die DisplayPort-, USB-3.0-, Mikrofon- und Lautsprecheranschlüsse an ihre entsprechenden Anschlüsse am Computer an.

- 7 (Optional) Schließen Sie USB-Peripherie an die Typ-A-Anschlüsse in den USB-3.0-Hub-Bereichen an.
- 8 Schließen Sie das Netzteil (im Lieferumfang enthalten) an den Netzanschluss des Switch an und verbinden Sie das andere Ende mit einer Gleichspannungsquelle.
- 9 Schalten Sie die Computer ein.

C Bedienung

Es gibt drei komfortable Methoden zum Umschalten zwischen den Computern: Manuell – durch Betätigung der Anschlussauswahltasten an der Frontblende, Maus – durch Klicken des Scrollrades der Maus, Tastenkombination – durch Betätigung der entsprechenden Tastenkombinationen an der Tastatur.

1 Manuell wechseln

Manuelle Anschlussauswahl: Drücken Sie eine Anschlussauswahltaste an der Frontblende, wenn KVM, Audio und USB auf den am entsprechenden Anschluss angeschlossenen Computer übertragen werden sollen.

2 Per Maus wechseln

Anschlussauswahl per Maus: Doppelklicken Sie das Scrollrad Ihrer USB-Maus zum Umschalten zwischen den Anschlüssen.

Hinweis:

1. Der Mauswechsel wird nur von einer 3-Tasten-USB-Maus mit Scrollrad unterstützt.
2. Der Mauswechsel ist standardmäßig deaktiviert.*
3. Mauswechsel wird nur unterstützt, wenn Mouseemulation aktiviert ist.

* Beachten Sie den Abschnitt Tastenkombinationseinstellungsmodus zur Aktivierung des Mauswechsels.

3 Per Tastenkombination wechseln

Alle Anschlusswechsel per Tastatur beginnen mit zweimaligem Drücken der Rollen-Taste. Die nachstehenden Tabellen beschreiben die Aktionen zum Wechseln der Anschlüsse.

Zwischen Anschlüssen umschalten

Schnelltaste	Aktion
[Rollen-Taste] [Rollen-Taste] [Eingabe]	Verschiebt KVM, USB-Hub und Audio vom aktuellen zum nächsten Anschluss am Switch (1 zu 2 und 2 zu 1 beim CS1922) (1 zu 2, 2 zu 3, 3 zu 4 und 4 zu 1 beim CS1924). Hinweis: KVM, USB-Hub und Audio wechseln gemeinsam zu diesen Anschlüssen, selbst wenn sie anfänglich auf verschiedene Anschlüsse aufgeteilt waren.

Direkt zu einem Anschluss wechseln

Schnelltaste	Aktion
[Rollen-Taste] [Rollen-Taste] [n] [Eingabe]	Verschiebt KVM, USB-Hub und Audio von dem am entsprechenden Anschluss angeschlossenen Computer zu der angegebenen Anschlusskennung. Das [n] steht für die Anschlusskennung des Computers (1, 2, 3 oder 4). Hinweis: KVM, USB-Hub und Audio wechseln gemeinsam zu diesen Anschlüssen, selbst wenn sie anfänglich auf verschiedene Anschlüsse aufgeteilt waren.

Tastenkombinationseinstellungsmodus

Der Tastenkombinationseinstellungsmodus (Hotkey Setting Mode; HSM) dient der

Konfiguration der Funktionen am Switch. Rufen Sie den HSM auf und drücken Sie eine Taste in der nachstehenden Tabelle zur Ausführung der entsprechenden Funktion. Gehen Sie zum Aufrufen des HSM wie folgt vor:

1. Halten Sie die Num-Taste gedrückt.
2. Drücken Sie kurz die Minus-Taste.
3. Lassen Sie die Num-Taste los.

HSM-Übersichtstabelle

Taste	Funktion
[F2]	Aktiviert die Mac-Tastatoremulation.
[F10]	Erkennt und konfiguriert automatisch die Tastaturbetriebsplattform.
[F4]	Listet die aktuellen Switch-Einstellungen auf. Öffnen Sie nach Betätigung der Taste [F4] einen Texteditor und wählen Sie zum Auflisten der Einstellungen die Einfügen-Funktion.
[F5]	Führt eine Rücksetzung an allen USB-Geräten durch.
[E]	Aktiviert/deaktiviert die Einschalterkennung.
[H]	Wechselt zwischen der standardmäßigen ([Num-Taste] [-]) und alternativen ([Strg] [F12]) Tastenkombination zur HSM-Aktivierung.
[M]	Schaltet die Mouseemulation ein und aus.
[R] [Enter]	Setzt die Tastenkombinationseinstellungen auf ihren Standardzustand zurück.
[u] [p] [g] [r] [a] [d] [e] [Eingabe]	Ruft den Modus zur Firmware-Aktualisierung auf.
[W]	Aktiviert/deaktiviert den Wechsel des Mausanschlusses.

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Switch USB 3.0 2/4 porte 4K DisplayPort KVM™ CS1922 / CS1924

A Descrizione

Vista anteriore

- 1 Pulsanti di selezione porta
- 2 LED porta
- 3 Porte audio
- 4 Hub USB 3.0

Vista posteriore

- 1 Porte console
- 2 Porte KVM
- 3 Connettore d'alimentazione
- 4 Hub USB 3.0

B Installazione

Hardware

Per installare lo switch, fare riferimento alla figura di cui sopra ed attenersi a quanto segue:

- 1 Collegare la tastiera ed il mouse USB alle porte console sul pannello posteriore.
- 2 Collegare il monitor alla porta console DisplayPort ed accendere il monitor.
- 3 Collegare il microfono e gli altoparlanti principali ai connettori microfono e altoparlanti del pannello frontale. Queste porte hanno la priorità su quelle del pannello posteriore.
- 4 (Optional) Collegare microfono e gli altoparlanti secondari alle porte audio console del pannello posteriore.
- 5 Utilizzando i cavi forniti in dotazione, collegare i connettori DisplayPort, USB 3.0, microfono ed altoparlanti ai rispettivi connettori della sezione porte KVM dello switch.
- 6 All'altra estremità dei cavi, collegare i connettori DisplayPort, USB 3.0, microfono ed altoparlanti alle rispettive porte del computer.
- 7 (Optional) Collegare le periferiche USB ai connettori di tipo A della sezione hub USB 3.0.

- 8 Collegare l'adattatore di corrente (fornito in dotazione) al connettore alimentazione dello switch ed alla presa di corrente DC.
- 9 Accendere i computer.

C Funzionamento

Ci sono a disposizione tre comodi metodi per passare da un computer all'altro: Manuale - premendo i pulsanti di selezione porta del pannello frontale, Mouse - facendo clic sulla rotella del mouse e Tasto di scelta rapida - inserendo le combinazioni di tasti sulla tastiera.

1 Cambio manuale

Per la selezione manuale delle porte: Premere una volta il pulsante di selezione porta del pannello frontale per portare la selezione KVM, audio, e USB sul computer collegato alla porta corrispondente.

2 Cambio con mouse

Per la selezione delle porte con il mouse: Fare doppio clic sulla rotella del mouse USB per passare tra le varie porte.

Nota:

1. Il cambio con mouse è supportato solo con mouse USB dotati di rotellina di scorrimento a 3 tasti.
2. Il cambio con mouse è disabilitato per impostazione predefinita.*
3. Il cambio con mouse è supportato solamente quando la modalità Emulazione mouse è abilitata.

* Fare riferimento alla sezione Modalità d'impostazione tasti di scelta rapida per abilitare il cambio con mouse.

3 Cambio con tasto di scelta rapida

Tutti i cambi di porta da tastiera iniziano premendo due volte il tasto Bloc Scorr. Le tabelle che seguono descrivono le azioni necessarie per cambiare porte.

Passare da una porta all'altra

Tasto di scelta rapida	Azione
[Bloc Scorr] [Bloc Scorr] [Invio]	Porta la selezione KVM, hub USB e audio dalla porta corrente a quella successiva dello switch (1 a 2 e 2 a 1 per CS1922) (1 a 2, 2 a 3, 3 a 4 e 4 a 1 per CS1924). Nota: Le selezioni KVM, hub USB e audio sono portate tutte a queste porte anche se inizialmente erano su porte diverse.

Portarsi direttamente su una porta

Tasto di scelta rapida	Azione
[Bloc Scorr] [Bloc Scorr] [n] [Invio]	Sposta la selezione KVM, hub USB e audio al computer collegato alla porta che corrisponde all'ID porta specificato. [n] sta per il numero ID porta del computer (1, 2, 3 o 4). Nota: Le selezioni KVM, hub USB e audio sono portate tutte a queste porte anche se inizialmente erano su porte diverse.

Modalità d'impostazione tasti di scelta rapida

La modalità d'impostazione tasti di scelta rapida (HSM - Hotkey Setting Mode) è utilizzata per impostare le funzioni sullo switch. Richiamare la modalità HSM e premere un tasto, indicato nella tabella che segue, per eseguire la funzione corrispondente.

Fare come segue per richiamare la modalità HSM:

1. Tenere premuto il tasto Bloc Num.
2. Premere e lasciare il tasto meno.
3. Lasciare il tasto Bloc Num.

Tabella modalità HSM

Tasto	Funzione
[F2]	Abilita l'emulazione tastiera Mac.
[F10]	Rileva ed imposta automaticamente la piattaforma operativa della tastiera.
[F4]	Elenca le impostazioni correnti dello switch. Dopo avere premuto [F4], aprire un editor di testo, quindi selezionare di incollare per elencare le impostazioni.
[F5]	Esegue un ripristino di tutti i dispositivi USB.
[E]	Abilita/disabilita la funzione Rilevamento accensione.
[H]	Passa tra i tasti di richiamo HSM predefiniti ([BLOC NUM] [-]) e alternati ([Ctrl] [F12]).
[M]	Attiva e disattiva l'emulazione mouse.

