



Simply Better Connections

**ATEN PSD PP v4.0 Secure  
KVM Switch Series**  
2/4/8-Port USB DVI / HDMI /  
DisplayPort Single / Dual Display  
PP v4.0 Secure KVM Switch  
Admin Log Audit Code

## **EMC Information**

### **FEDERAL COMMUNICATIONS COMMISSION 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, 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 their own expense.

**Achtung:** Der Gebrauch dieses Geräts in Wohnumgebung kann Funkstörungen verursachen.

**Warning:** Operation of this equipment in a residential environment could cause radio interference

**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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### **KCC Statement**

유선 제품용 / A 급 기기 (업무용 방송 통신 기기)  
이 기기는 업무용 (A 급) 전자파적합기기로서 판매자 또는 사용자는 이  
점을 주의하시기 바라며, 가정 외의 지역에서 사용하는 것을 목적으로  
합니다.

## **RoHS**

This product is RoHS compliant.



### **HDMI Trademark Statement**

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.




## China RoHS

产品中有害物质的名称及含量

部件名称 Parts Name	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电缆线/电源 Cable/Adaptor	X	O	O	O	O	O
印刷电路部件 PCBA	X	O	O	O	O	O
塑料/其它部件 Plastic /Others parts	O	O	O	O	O	O
金属部件 Metal parts	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。  
 O：表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要求以下  
 X：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的限量要求

表中标有“X”的情况,是按照欧盟 RoHS 采用了容许的豁免指标。 

在中国大陆销售的相应电子电器产品 (EEP) 都必须遵照中国大陆《电子电气产品有害物质限制使用标识要求》标准 (SJ/T11364) 贴上环保使用期限 (EPUP) 标签。该产品所采用的 EPUP 标签是基于中国大陆的《电子信息产品环保使用期限通则》标准。

## ***User Information***

### ***Online Registration***

Be sure to register your product at our online support center:

<https://eservice.aten.com/eServiceCx/Common/productRegister.do>

### ***Telephone Support***

For telephone support, call this number:

International	+886-2-8692-6959
China	+86-10-5255-0110
Japan	+81-3-5615-5811
Korea	+82-2-467-6789
North America	+1-888-999-ATEN ext 4988
United Kingdom	+44-8-4481-58923

### ***User Notice***

All information, documentation, and specifications contained in this manual are subject to change without prior notification by the manufacturer. The manufacturer makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties as to merchantability or fitness for any particular purpose. Any of the manufacturer's software described in this manual is sold or licensed *as is*. Should the programs prove defective following their purchase, the buyer (and not the manufacturer, its distributor, or its dealer), assumes the entire cost of all necessary servicing, repair and any incidental or consequential damages resulting from any defect in the software.

The manufacturer of this system is not responsible for any radio and/or TV interference caused by unauthorized modifications to this device. It is the responsibility of the user to correct such interference.

The manufacturer is not responsible for any damage incurred in the operation of this system if the correct operational voltage setting was not selected prior to operation. PLEASE VERIFY THAT THE VOLTAGE SETTING IS CORRECT BEFORE USE.

### ***Product Information***

For information about all ATEN products and how they can help you connect without limits, visit ATEN on the Web or contact an ATEN Authorized Reseller. Visit ATEN on the Web for a list of

locations and telephone numbers:

International <https://www.aten.com/global/en/>

North America <https://www.aten.com/us/en/>

\*Please visit our website to download the most up to date version of the manual.

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Manual Version: v1.03

Manual Date: 2021-1-25

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## ***About this Admin Log Audit Code***

**This Admin Log Audit Code is intended for authorized administrators only.**

- This Admin Log Audit Code is provided to help authorized administrators audit logs/events and perform administrator functions.
- Please refer to the ATEN Secure KVM Administrator Guide for basic administrator functions.
- If the Secure KVM Switch becomes inoperable, Log/Event data logs can only be decoded by the Secure KVM Switch manufacturer.\*

Notes:

\* The following audit codes are generated which result in the Secure KVM Switch becoming inoperable. These Log/Event data logs can only be decoded by the Secure KVM Switch manufacturer.

- ADML – KVM locked due to Administrators' failed login
- IHWN – H/W integration test failed
- SUMN – Checksum test failed
- MEMN – Memory test failed
- ISON – Self-test port data check failed (different from jammed button BTNJ)
- TMPH – Anti-Tamper triggered
- TMPR – Anti-Tamper triggered by RPS

## ***How does the Administrator Logon Function work?***

- After the authorized Administrator successfully logs on to the Secure KVM switch, the Secure KVM switch can dump the necessary information (text only) in a text editor on the authorized Administrator's management computer.
- All Administrator configuration options will be displayed in the text editor upon the Administrator's key stroke command.
- When the Administrator selects an option, the result of this execution will also be displayed in text editor.
- If the Administrator chooses to display available logs to audit, those logs will be displayed within the text editor.

## ***Setup and Operation of Administrator Logon Functions***

Please refer to the ATEN Secure KVM Administrator Guide for details.

### ***Format of Information displayed in text editor***

Administrator Logon Mode  
 ID: Administrator  
 Please enter password: \*\*\*\*\*

Logon ok.

LIST

```

DATE-TIME= 25-12-2021_17:23:05_UTC
MFG_DATE= 23-12-2021
TAMP_TEST= PASS
HW_TEST= PASS
FW_TEST= PASS
KVM_BATT_TEST= 3.0V
RPS_BATT_TEST= 3.0V
RPS_TEST= PASS
FW_CHECKSUM= xxxx
AUDT_ST 23-12-2021_17:23:05_UTC
AUDT_SP NA
FW_VER= v1.1.101
TTL_LOGS= 8
  
```

No.	Cat.	DATE-TIME	Code	Crit
01	ADM	25-12-2021_17:23:05_UTC	ADIO	
02	CAC	25-12-2021_17:25:02_UTC	ADCWO	
03	CAC	25-12-2021_17:26:12_UTC	ADCBO	
04	ADM	25-12-2021_17:30:27_UTC	ADOO	

Operation ok

### ***Administrator Configuration Menu***

The Administrator can press a numbered option to perform the configuration.

For example:

If the Administrator wants to audit logs and events, they can press “1” to access Text Menu Level 2. If



the Administrator presses “2” when Text Menu Level 2 is displayed, all critical logs & events will be shown in the text editor.

Text Menu Level 1	Text Menu Level 2
1. Show logs and events	[1-2] Display logs & events. Please choose an option
	1. Show all logs & events
	2. Show critical logs & events
	3. Show non-critical logs & events
	7. Return
2. Configure CAC filter *	[2-2] Configure CAC filter of Admin session. Please choose an option
	1. Allow currently connected device on all Ports
	2. Block currently connected device on all Ports
	3. Show info of currently connected device
	4. Show info of all added devices**
	5. Reset Admin CAC Allow list
	6. Reset Admin CAC Block list
3. Configure KB_MS filter ***	[3-2] Configure KB_MS filter of Admin session. Please choose an option
	1. Block currently connected device on all Ports
	2. Show info of currently connected device
	3. Show info of all added devices
	4. Reset Admin KB_MS Block list
4. Change password	[4-2] Change Admin password. Please choose an option
	1. Continue
	7. Return
5. Check FW version	[5-2] FW version: vx.x.xxxx
	7. Return
6. Reset KVM to Default	[6-2] Reset KVM, CAC filter, & KB_MS filter to factory default. Please choose an option
	1. Continue
	7. Return
8. Exit logon session	

Notes:

\* This function will also be shown on Non-CAC models, but the statement will be changed to “Configure CAC filter (CAC Models Only)”

\*\* The “Show info of all added devices” option lists only devices added by the Administrator on the KVM switch through the Administrator Logon function. It does not show the devices blacklisted or whitelisted by the ATEN Port Authentication Utility

\*\*\* Only the HID devices plugged into the Secure KVM console mouse port can be blocked. Once a certain device is blocked, it will be blocked on both Secure KVM console keyboard and mouse ports.

***Log/Event Audit code***

<b>Cat. (Category)</b>	<b>Code</b>	<b>Description</b>	<b>Critical Event</b>
ADM (Administrator Tasks)	ADIO	Administrator login ok.	
	ADIN	Administrator login failed. (Critical area only keeps the last login fail event. This event will also be logged in non-critical areas.)	Yes
	ADOO	Administrator logout.	
	ADIL	Administrator last login ok.	Yes
	APIO	AP connection login ok for Blacklist/Whitelist update	
	APIN	AP connection login fail for Blacklist/Whitelist update (Critical area only keeps the last AP login fail event. This event will also be logged in non-critical areas.)	Yes
	APOO	AP connection terminated.	
	APIL	AP last connection login ok.	Yes
	PWCO	Administrator password change (Critical area only keeps the last password change event. This event will also be logged in non-critical area.)	Yes
	RSTO	Administrator performs Reset to Factory Default (Critical area only keeps the last Administrator Reset to Factory Default event.)	Yes
ADML	KVM locked due to Administrator’s failed attempts to login.	Yes	
CAC (CAC Related)	ADCWO	Administrator changed CAC port Whitelist	
	ADCBO	Administrator changed CAC port Blacklist	
	APCTO	AP changed CAC port Blacklist/Whitelist	
	USBCO	USB CAC port accepted the connected device	
	USBCR	USB CAC port rejected the connected device	Yes
KM (KB/MS Related)	ADMBO	Administrator changed KB/MS ports Blacklist	
	USBMO	USB KB/MS ports accepted the connected device	
	USBMR	USB KB/MS ports rejected the connected device	Yes
VI	VIO	Console video port accepted the connected device	
	VIR	Console video port rejected the connected device	Yes

RPS (Remote Port Selector Related)	RPSO	This event will be logged when RPS_TEST = PASS	
	RPSR	This event will be logged when RPS_TEST = REJ or connecting the Remote Port Selector to KVM after KVM is powered on (This event will also be logged in non-critical area.)	Yes
TST* (KVM Test Related)	IHWN	H/W integration test failed.	Yes
	SUMN	Checksum test failed.	
	MEMN	Memory test failed.	
	ISON	Self-test port data check failed.	
	BTNJ	Button jam detected.	
TMP (Anti-tampering)	TMPH	Anti-tampering triggered.	Yes
	TMPR	Anti-tampering triggered by RPS being tampered	Yes
SYS (KVM System)	PWR	KVM power cycle.	
	RST	Reset by front panel.	

\*Note

The ATEN Secure KVM self-test includes the hardware integration test, firmware checksum test, memory test, port data test, and pushbutton jam test. Only the pushbutton jam test failure can occur more than once.

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## *Appendix*

### *Safety Instructions*

#### *General*

- This product is for indoor use only.
- Read all of these instructions. Save them for future reference.
- Follow all warnings and instructions marked on the device.
- Do not place the device on any unstable surface (cart, stand, table, etc.). If the device falls, serious damage will result.
- Do not use the device near water.
- Do not place the device near, or over, radiators or heat registers.
- The device cabinet is provided with slots and openings to allow for adequate ventilation\*. To ensure reliable operation, and to protect against overheating, the cabinet must never be blocked or covered.
- The device should never be placed on a soft surface (bed, sofa, rug, etc.) as this will block its ventilation openings\*. Placing devices without slots or openings on a soft surface will affect the heat dissipation.
- The device should not be placed in a built in enclosure unless adequate ventilation has been provided.
- Never spill liquid of any kind on the device.
- Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- The device should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- The device is designed for IT power distribution systems with 230V phase-to-phase voltage.
- To prevent damage to your installation it is important that all devices are properly grounded.
- The device is equipped with a 3-wire grounding type plug. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not attempt to defeat the purpose of the grounding-type plug. Always follow your local/national wiring codes.
- Do not allow anything to rest on the power cord or cables. Route the power cord and cables so that they cannot be stepped on or tripped over.
- If an extension cord is used with this device make sure that the total of the ampere ratings of all products used on this cord does not exceed the extension cord ampere rating. Make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
- To help protect your system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
- Position system cables and power cables carefully; Be sure that nothing rests on any cables.

- Never push objects of any kind into or through cabinet slots. They may touch dangerous voltage points or short out parts resulting in a risk of fire or electrical shock.
- Do not attempt to service the device yourself. Refer all servicing to qualified service personnel.
- If the following conditions occur, unplug the device from the wall outlet and bring it to qualified service personnel for repair.
  - The power cord or plug has become damaged or frayed.
  - Liquid has been spilled into the device.
  - The device has been exposed to rain or water.
  - The device has been dropped, or the cabinet has been damaged.
  - The device exhibits a distinct change in performance, indicating a need for service.
  - The device does not operate normally when the operating instructions are followed.
  - Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75.

CAUTION: Never attempt to replace the internal battery or open the switches' enclosure.

\*Note: Not all devices have slots or openings to allow for ventilation

## ***Consignes de Sécurité***

### ***Général***

- Ce produit est destiné exclusivement à une utilisation à l'intérieur.
- Veuillez lire la totalité de ces instructions. Conservez-les afin de pouvoir vous y référer ultérieurement.
- Respectez l'ensemble des avertissements et instructions inscrits sur l'appareil.
- Ne placez jamais l'unité sur une surface instable (chariot, pied, table, etc.). Si l'unité venait à tomber, elle serait gravement endommagée.
- N'utilisez pas l'unité à proximité de l'eau.
- Ne placez pas l'unité à proximité de ou sur des radiateurs ou bouches de chaleur.
- Le boîtier de l'unité est destiné à assurer une ventilation adéquate\*. Pour garantir un fonctionnement fiable et protéger l'unité contre les surchauffes, le boîtier de l'unité ne doit jamais être obstrué ou couvert.
- L'unité ne doit jamais être placée sur une surface molle (lit, canapé, tapis, etc.) car ceci obstruerait les ouvertures de ventilation\*. Le fait de placer des appareils sans fente ni ouverture sur une surface souple affecte la dissipation thermique.
- L'appareil ne doit pas être placé dans une enceinte intégrée à moins de lui fournir une ventilation adéquate.
- Ne renversez jamais de liquides de quelque sorte que ce soit sur l'unité.
- Débranchez l'appareil de la prise secteur avant nettoyage. Ne pas utiliser de nettoyeur liquide ou en aérosol. Utiliser un chiffon humidifié pour le nettoyage.
- L'appareil doit être alimenté par le type de source indiqué sur l'étiquette. Si vous n'êtes pas sûr du type d'alimentation disponible, consultez votre revendeur ou le fournisseur local d'électricité.
- L'appareil est conçu pour les systèmes de distribution d'alimentation informatique avec une tension phase à phase de 230V
- Afin de ne pas endommager votre installation, vérifiez que tous les périphériques sont correctement mis à la terre.
- L'unité est équipée d'une fiche de terre à trois fils. Il s'agit d'une fonction de sécurité. Si vous ne parvenez pas à insérer la fiche dans la prise murale, contactez votre électricien afin qu'il remplace cette dernière qui doit être obsolète. Respectez toujours les codes de câblage en vigueur dans votre région/pays.
- Veuillez à ce que rien ne repose sur le cordon d'alimentation ou les câbles. Acheminez le cordon d'alimentation et les câbles de sorte que personne ne puisse marcher ou trébucher dessus.
- En cas d'utilisation d'une rallonge avec cette unité, assurez-vous que le total des ampérages de tous les produits utilisés sur cette rallonge ne dépasse pas l'ampérage nominal de cette dernière. Assurez-vous que le total des ampérages de tous les produits branchés sur la prise murale ne dépasse pas 15 Ampères.

- Pour contribuer à protéger votre système contre les augmentations et diminutions soudaines et transitoires de puissance électrique, utilisez un parasurtenseur, un filtre de ligne ou un système d'alimentation sans coupure (UPS).
- Placez les câbles du système et les câbles d'alimentation avec précaution ; veillez à ce que rien ne repose sur aucun des câbles.
- N'insérez jamais d'objets de quelque sorte que ce soit dans ou à travers les fentes du boîtier. Ils pourraient entrer en contact avec des points de tension dangereuse ou court-circuiter des pièces, entraînant ainsi un risque d'incendie ou de choc électrique.
- N'essayez pas de réparer l'unité vous-même. Confiez toute opération de réparation à du personnel qualifié.
- Si les conditions suivantes se produisent, débranchez l'unité de la prise murale et amenez-la à un technicien qualifié pour la faire réparer:
  - Le cordon d'alimentation ou la fiche ont été endommagés ou éraillés.
  - Du liquide a été renversé dans l'unité.
  - L'unité a été exposée à la pluie ou à l'eau.
  - L'unité est tombée ou le boîtier a été endommagé.
  - Les performances de l'unité sont visiblement altérées, ce qui indique la nécessité d'une réparation.
  - L'unité ne fonctionne pas normalement bien que les instructions d'utilisation soient respectées.
  - Peut être installé dans des salles de matériel de traitement de l'information conformément à l'article 645 du National Electrical Code et à la NFPA 75.

**ATTENTION :** Ne jamais tenter de remplacer la batterie interne ni d'ouvrir le boîtier du commutateur.

\*Remarque : Tous les appareils ne disposent pas de fentes ou d'ouvertures qui permettent la ventilation.



## **Technical Support**

### **International**

- For online technical support – including troubleshooting and documentation:  
<http://eservice.aten.com>
- For telephone support, See *Telephone Support*, page iv:

### **North America**

Email Support		support@aten-usa.com
Online Technical Support	Troubleshooting Documentation Software Updates	<a href="https://eservice.aten.com/eServiceCx/supportIndex.do?lang=en_US">https://eservice.aten.com/eServiceCx/supportIndex.do?lang=en_US</a>
Telephone Support		1-888-999-ATEN ext 4988

When you contact us, please have the following information ready beforehand:

- Product model number, serial number, and date of purchase.
- Your computer configuration, including operating system, revision level, expansion cards, and software.
- Any error messages displayed at the time the error occurred.
- The sequence of operations that led up to the error.
- Any other information you feel may be of help.

### ***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.