



Avocent®

AutoView® Wireless

Installer/User Guide

**INSTRUCTIONS**

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**DANGEROUS VOLTAGE**

This symbol is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

**PROTECTIVE GROUNDING TERMINAL**

This symbol indicates a terminal which must be connected to earth ground prior to making any other connections to the equipment.



USA Notification

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

Canadian Notification

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

Safety and EMC Standards

FCC class A, UL, cUL

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Product Overview

Features and Benefits

The Avocent AutoView® Wireless Keyboard, Video, Mouse (KVM) switch provides connectivity from monitors, keyboards, mice and audio devices to computers without cables. The 802.11a-based design is a hardware-only solution requiring no new operating system, drivers or application software. The wireless transmitter(s) and receiver(s) are the building blocks for a user-definable 2 x 8 KVM switch or 1 x 8 video broadcasting solution. The firmware features a user-friendly On-Screen Display (OSD) for managing connectivity, making adjustments and tuning the video settings. Its industry standard design makes the AutoView Wireless switch compatible with virtually any PC, display technology and operating system.

The AutoView Wireless On-Screen Display (OSD)

The AutoView Wireless OSD makes it simple to set up and adjust your video parameters. Accessed from the receiver side, the OSD makes tuning your video fast and convenient. Available computers can be selected via keyboard or mouse commands.

Secure connectivity and 802.11a standards-based design

The AutoView Wireless switch can be operated in shared or private mode. In shared mode, multiple users may view the same computer and swap control when needed. When security is needed, private mode allows only one user to access and control the selected computer. Advanced Encryption Standard (AES) ensures that connections are secure.

Video broadcast configuration

The AutoView Wireless switch can also be installed in a video broadcast configuration where one computer may be attached to multiple monitors. Simply connect a transmitter to a single computer, and add up to eight sets of peripherals via AutoView Wireless receivers.

Compatibility with peripherals

The AutoView Wireless switch is compatible with the following peripherals:

- Keyboard- The transmitter and receiver support virtually any standard PS/2 keyboard.
- Mouse- The transmitter and receiver support 2-button PS/2 mice. Mice that have more than two buttons work with the reduced functionality of a 2-button mouse.
- Video- The AutoView Wireless switch supports VGA, SVGA and XGA resolutions up to 60 Hz refresh rate. Both CRT and LCD monitors with standard 15-pin high density connectors are supported.
- Audio- Speakers and headphones with 3.5 mm audio plugs are supported on the receiver side of your AutoView Wireless switch, provided the transmitter has been connected to the sound card of your PC with the provided audio cable.

Safety Precautions

To avoid potential video and/or keyboard problems when using Avocent products:

- If the building has 3-phase AC power, ensure that the computer and monitor are on the same phase. For best results, they should be on the same circuit.
- Use only Avocent-supplied cable to connect computers and KVM switches. Avocent warranties do not apply to damage resulting from user-supplied cable.

To avoid potentially fatal shock hazard and possible damage to equipment, please observe the following precautions:

- Do not use a 2-wire extension cord in any Avocent product configuration.
- Test AC outlets at the computer and monitor for proper polarity and grounding.
- Use only with grounded outlets at both the computer and monitor. When using a backup Uninterruptible Power Supply (UPS), power the computer and the AutoView Wireless transmitter unit off the supply.

NOTE: The AC inlet is the main disconnect.

Getting Started

Before installation, refer to the list below to ensure that you have all the items that shipped with the AutoView Wireless switch.

Supplied with the AutoView Wireless switch

- One AutoView Wireless transmitter or receiver per computer/user
- A power supply for each transmitter or receiver
- Audio cable
- AutoView Wireless Installer/User Guide
- AutoView Wireless Quick Installation Guide

Installing an AutoView Wireless Switch

Follow the step-by-step procedures listed in the *To connect a computer* and *To connect a user* sections to properly install your new wireless KVM switch system.

WARNING: To reduce the risk of electric shock or damage to your equipment - Disconnect the power from the unit by unplugging the power supply from the electrical outlet.

To connect a user:

1. Select a location for your AutoView Wireless receiver. Find a convenient position for locating the AutoView Wireless receiver, such as a desktop that is near your extended display. Best performance is achieved when the antennas are clearly visible and free from obstructions.
2. Connect the display's video input into the AutoView Wireless receiver's video input (blue connector). Virtually any industry-standard display device can be attached to the AutoView Wireless receiver as long as it has a 15-pin D shell connector for video input and can accept VGA (640 x 480), SVGA (800 x 600) and XGA (1024 x 768) resolution video.

NOTE: The extended display must have a standard 15-pin D-shell RGB analog interface.

3. Connect the display's PS/2 keyboard and mouse (if applicable) into the AutoView Wireless receiver's keyboard connection (purple connector) and mouse connection (green connector).

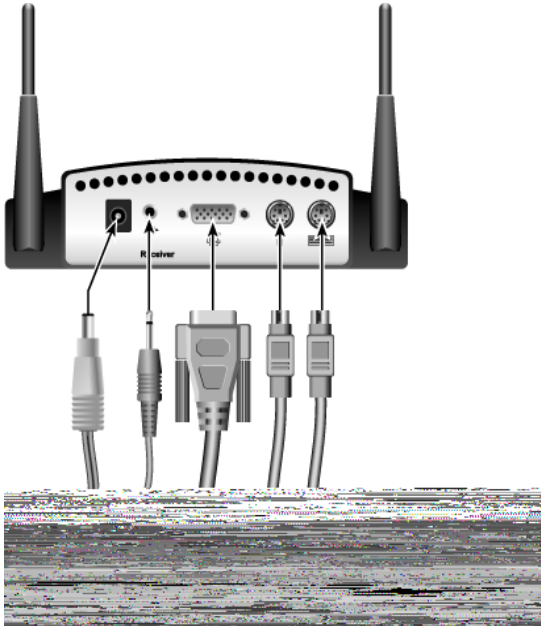


Figure 2.1: AutoView Wireless Receiver Installation Example

4. Connect your speakers into the AutoView Wireless receiver's audio output connection (lime green connector).
5. Connect the AutoView Wireless power supply into the AutoView Wireless receiver and into the AC power source.

NOTE: Use only an Avocent-supplied power supply.

6. Connect your display's power supply to appropriate electrical outlets.
7. Repeat these steps for each attached user.

To connect a computer:

1. Ensure that the video setting of the computer you are about to attach is 1024 x 768, 800 x 600 or 640 x 480 at 60 Hz refresh rate.
2. Power down each computer that will be part of your AutoView Wireless switch system.
3. Unplug the peripherals (keyboard, mouse, monitor and speakers with built-in amplifiers, if applicable) from the first computer.
4. Prepare locations for your AutoView Wireless transmitter and computer. Best performance is achieved when the antennas are clearly visible and free from obstructions.

5. Connect the AutoView Wireless transmitter cables into the computer's PS/2 keyboard (purple connector), PS/2 mouse (green connector) and monitor connections (blue connector).

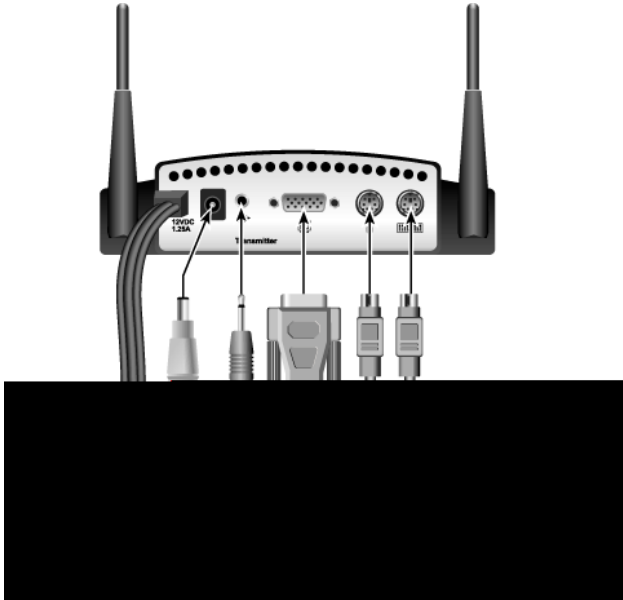


Figure 2.2: AutoView Wireless Transmitter Installation Example

6. Using the supplied audio cable, connect one end to the AutoView Wireless transmitter's audio input connection (lime green connector) and the other end to the computer's audio output connection (lime green connector).
7. Optionally, you may connect a local keyboard, monitor and mouse to the ports located on the rear of the transmitter.
8. Connect your AutoView Wireless transmitter to an AC power source with one of the power supplies included with your AutoView Wireless switch.

NOTE: The transmitter must be powered up before the computer.

NOTE: Use only an Avocent-supplied power supply.

9. Power up your computer.
10. Repeat this step for each computer that you wish to attach.

To cascade a KVM switch:

1. Power down the second switch and all computers attached to it.
2. Unplug any peripherals (keyboard, mouse, monitor and speakers with built-in amplifiers, if applicable) from the switch.

3. Prepare locations for your AutoView Wireless transmitter and KVM switch. Best performance is achieved when the antennas are clearly visible and free from obstructions.
4. Connect the AutoView Wireless transmitter cables into the KVM switch's PS/2 keyboard (purple connector), PS/2 mouse (green connector) and monitor connections (blue connector).
5. Using the supplied audio cable, connect one end to the AutoView Wireless transmitter's audio input connection (lime green connector) and the other end to the switch's audio output connection (lime green connector).
6. Optionally, you may connect a local keyboard, monitor and mouse to the ports located on the rear of the transmitter.
7. Connect your AutoView Wireless transmitter to an AC power source with one of the power supplies included with your AutoView Wireless switch.

NOTE: The transmitter must be powered up before the computer.

NOTE: Use only an Avocent-supplied power supply.

8. Power up the cascaded KVM switch.
9. Power up any computers attached to your cascaded KVM switch.
10. Activate the AutoView Wireless OSD and select the cascaded switch. Ensure that the cascaded KVM switch is displaying video, then reactivate the AutoView Wireless OSD and run the AutoSetup feature. (For more information on activating the OSD and running AutoSetup, see *Fine Tuning the Image Settings* in Chapter 3.)
11. Repeat these steps for each additional switch that you wish to attach.

NOTE: Once you have selected a KVM switch from the AutoView Wireless OSD, you will need to activate OSD for the switch to connect to attached computers. To avoid confusion, the attached KVM switch should have an OSD activation sequence that is different from the activation sequence for the AutoView Wireless switch.

Basic Operations

Powering the AutoView Wireless Switch

To power the AutoView Wireless switch:

1. Complete all of the installation steps in Chapter 2.
2. Power up the AutoView Wireless transmitters and wait for the LED mark S2 to illuminate.
3. Power up the monitors attached to the AutoView Wireless receivers.
4. Power up the AutoView Wireless receivers.
5. Power up the attached computers.

NOTE: Always power up the AutoView Wireless transmitter and wait for the middle LED marked S2 to illuminate before powering up any attached computers.

LEDs

Both the AutoView Wireless transmitter and receiver contain three LEDs visible from the front of each unit. The LEDs are labeled on the unit.

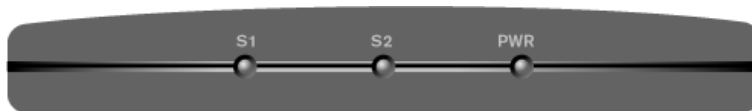


Figure 3.1: Transmitter LEDs

Table 3.1: LED Conditions

S1	S2	PWR	Condition
OFF	OFF	ON	No Switch Activity, Power is On
OFF	OFF	OFF	No Switch Activity, Power is Off
OFF	ON	ON	Ready to Establish Link
ON	ON	ON	Connected

The AutoView Wireless On-Screen Display

Once the system is powered, users are prompted for their login name and password if login security is active. Otherwise, the AutoView Wireless On-Screen Display (OSD) will appear. The OSD is used to configure and control your AutoView Wireless switching system and may be activated in one of the following ways:

- From the keyboard, pressing and holding the left **Shift** key followed by the right **Shift** key and releasing both (factory default setting)
- Pressing the **Print Screen** key
- Pressing the **Ctrl** key twice

NOTE: The OSD may always be activated from the mouse by right-clicking twice followed by a left-click.

Once the OSD is activated pressing the **Esc** key, the X button in the upper-right corner of the OSD screen or right-clicking the mouse will return a user to the previous menu. OSD-specific help can be activated by pressing **F1** or clicking the ? button in the upper-right corner of the OSD screen.

To change the default activation sequence:

1. From the main OSD window, click the *Setup* button to activate the Setup menu.
2. A list of available activation sequences will be displayed. Click the one that you wish to use.

NOTE: When the hotkey sequence is set to **Print Screen**, pressing the **Print Screen** key twice in rapid succession will send a Print Screen command.

The AutoView Wireless Main Menu






The AutoView Wireless Main menu is the first to appear when the OSD is activated and contains four options: AutoSetup, Setup, Refresh and Commands. AutoSetup checks the video parameters for your source computer and then automatically optimizes the video quality displayed on your monitors. Setup allows you to configure your AutoView Wireless switch. Refresh updates the status of all transmitters and the Commands option displays link status information, the strength of the wireless signal and your current firmware version.

Available computers can be listed by name or EID number by selecting the appropriate button from the Main menu. Users can scroll through the listed computers using the **Arrow**, **Page Up/Down**, **Home** and **End** keys. At any time a user may press the **Esc** key to return to the previous menu or exit the OSD.

Beside each listed computer is a numerical indicator of signal strength. Higher numbers indicate a stronger signal.

Each computer will have a colored triangle associated with it to report the status of that channel.

Table 3.2: Channel Status States

Symbol	Definition
	Transmitter Connected in Private mode (green triangle)
	Transmitter Connecting (blue triangle)
	Channel is being accessed by another user in Private mode (red triangle)
	Channel is being accessed by another user in Share mode (red triangle)
	Transmitter Connected in Share mode (green triangle)
No Symbol	Channel is not currently in use

Viewing and selecting attached computers

To view and control a computer attached to your AutoView Wireless switch:

1. Activate the OSD.
2. Select the appropriate computer access mode.
3. Select the computer that you wish to access by using your **Arrow** keys to scroll until it is highlighted and then pressing **Enter**.

- or -

Using the mouse, double-click the name of the computer you wish to access.

NOTE: The first time that you access an attached computer, you may wish to run the AutoSetup feature to fine-tune the image. For more information, see Fine Tuning the Image Settings later in this chapter.

NOTE: When the OSD is not active, users may also scroll through the available computers by pressing and holding the **Ctrl** key and pressing the **Up** and **Down Arrows** to switch.

Scanning

In Scan mode, multiple computers may be monitored in sequence. Activating the OSD once scanning is initiated will cancel Scan mode.

Scanning your system

In Scan mode, the switch automatically scans from port to port (computer to computer). You can scan up to 16 computers, specifying which computers to scan and the number of seconds that each computer will display. The scanning order is determined by placement of the computer in the list. The list is always shown in scanning order. You can, however, choose to display the computer's name or EID number by pressing the appropriate button.

To add computers to the scan list:

1. Activate the OSD and click *Setup - Scan*. The Scan dialog box will appear.
2. The dialog box contains a listing of all computers attached to your appliance. Click the checkbox next to the computers you wish to scan.
3. Enter the scan dwell time.
4. Click *Scan*.

To remove a computer from the scan list:

In the Scan dialog box, deselect the checkbox next to the computer to be removed.

Changing a User Password

For maximum security, users are encouraged to change their password frequently.

NOTE: This option is only applicable to systems where login security has been enabled.

To change a user password:

1. Activate the OSD and click the *Setup* button to access the Setup menu.
2. From the Setup menu, click *Security*, then *User Accounts* and *ChgPassword*.
3. You will be prompted to enter the old and new passwords for the active account. Once entered, click *Save* to change the password, or press **Esc** to exit.

Displaying Link Status

To display the current link status of the user session:

1. Activate the OSD and select *Commands* to activate the Commands menu.
2. Click the *Link Status* button.

Fine-Tuning the Image Settings

Once the radio link has been established and the monitor attached to the receiver is displaying computer generated video, some fine-tuning of the video settings may be desired. This fine-tuning should only be necessary the first time that an AutoView Wireless transmitter is used with a particular computer; settings, once adjusted, are saved in the transmitter unit.

When optimizing video, best results can be obtained by displaying a fixed image on screen during the optimization process.

To optimize video automatically:

1. Activate the OSD.
2. Click *Auto Setup*. This will automatically optimize your video setup parameters. Changes will be saved automatically.

NOTE: Wait until the video display has completely regenerated before continuing.

To optimize video manually:

1. Activate the OSD.
2. Click *Setup - Display*. This will provide a list of user-configurable video parameters.
3. Adjust the video settings as needed. The screen will update automatically.



Figure 3.3: The Link Status Window

Displaying Version Information

To display the software and firmware versions on the currently selected transmitter and receiver:

1. Activate the OSD and select *Commands* to activate the Commands menu.
2. Click the *Display Versions* button to activate the Versions window.
3. Click *OK* when finished.



Figure 3.4: The Versions Window

Changing the Video Mode

The AutoView Wireless switch can be configured to assign bandwidth according to your particular installation. Two modes are available: Computer and DVD. Computer mode uses minimal video bandwidth and is useful for KVM installations. DVD mode applies more bandwidth to video, allowing a smoother, more stable screen for video broadcast configurations. Users may toggle between Computer and DVD mode from the Commands menu.

NOTE: The mode button is only available when a computer is selected.

To change the Video mode:

1. Activate the OSD and select *Commands*.
2. By clicking the *Change* button, you may toggle between Computer and DVD mode.

Disconnecting from a Computer

A user may disconnect from an attached computer by activating the main OSD screen and pressing **Alt-0**, or by clicking on the *Disconnect* button on the Main menu.

Logging Out

A user may log out by pressing the **F10** key whenever the OSD is active.

Login Security

Most advanced commands are accessed from the Security menu.

To access the Security menu:

1. Activate the OSD and click the *Setup* button to display the Setup menu.
2. Click the button marked *Security*.

NOTE: AES security is always enabled.

NOTE: When security is enabled, only the Admin may access the Security menu.

Enabling Login Security

The AutoView Wireless switch ships with login security disabled by default. Until login security is enabled, all users have Admin access. Once login security has been enabled, there are two levels of access: Admin and user. When login security is enabled, a user must be logged in as Admin to:

- Add or change user logins
- Change transmitter names
- Administer AES keys

NOTE: AES security is always active.

To enable login security:

1. Activate the OSD and select *Setup - Security*.
2. Check the box marked *Enable Login Screen*.

NOTE: Once this box is checked, all users will be prompted for a login name and password before they can access the OSD.

To change the Admin password:

1. Activate the OSD and click the *Setup* button to access the Setup menu.
2. From the Setup menu, click *ChgPassword*. You will be prompted to enter the old and new passwords. Once entered, click *Save* to change the password, or press **Esc** to exit.

NOTE: The default Admin password is blank. When you are prompted for a password, press *Enter*.

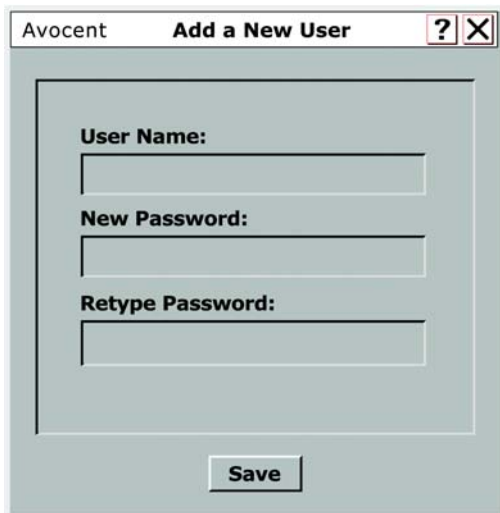
User Maintenance

The AutoView Wireless switching system can support up to eight user logins including the Admin user. Each user is identified by a unique name and password. Adding users, as well as deleting and editing users once they are configured, is performed through the Security menu and requires that the user be logged in as Admin.

NOTE: Only two users may be logged in at a given time.

To add a user:

1. From the Security menu, click the *User Accounts* button.
2. A list of currently configured users will appear. Click the *AddUser* button to activate the Add a New User window.



The image shows a screenshot of a software window titled "Avocent Add a New User". The window has a standard title bar with a question mark icon and a close button (X). The main content area contains three text input fields, each with a label above it: "User Name:", "New Password:", and "Retype Password:". At the bottom center of the window is a button labeled "Save".

Figure 4.1: Adding a New User

3. Type the user's name and password in the provided blanks.
4. Click *Save* to save changes, or press **Esc** to exit.

To delete a user:

1. From the Security menu, click the *User Accounts* button.
2. A list of currently configured users will appear. Click the *DeleteUser* button.
3. Select the user that is to be deleted from the provided list.

4. Click *ConfirmDel* to delete the selected user, or *CancelDel* to exit.

Computer Maintenance

Each transmitter will have a default name based on its MAC ID. Using the OSD, users may rename attached computers with names that are meaningful to them. Names may be up to 32 characters.

To name or change the name of an attached computer:

NOTE: To change the name of a computer, that computer must be selected.

1. Activate the OSD and click *Setup - Names*.
2. The unique ID of the computer will be displayed along with the current name.
3. Type the new name for the computer in the provided blank and click *Save* or *Cancel*.

AES Key Maintenance

The AutoView Wireless switch uses an encryption system called AES, which uses a 128 bit key for added security. All transmitted data is encrypted with AES. It is not possible to form a link between a transmitter and receiver unless their AES keys match. Transmitters and receivers are shipped from the factory with a default AES key. Users who desire maximum security should change all AES keys to a new, system-specific key.

To display the current list of allowed AES keys:

1. Activate the OSD and click *Setup - Security* to display the Security menu.
2. Click the *AESKeys* button to display the AESKeys window which lists the currently allowed transmitters and receivers.

To change an AES key:

1. From the AESKeys menu, select the EID that you wish to change and click *Edit AES Key*.
2. The current ID and name will be displayed. Enter the new key in the provided space and click:
 - *Transmitter* - to change the key in both the transmitter and receiver. Both units must be linked for this to function.
 - *Save* - to change the key in the receiver only. (Used when the transmitter has already been configured.)
 - *Cancel* - to exit without saving.

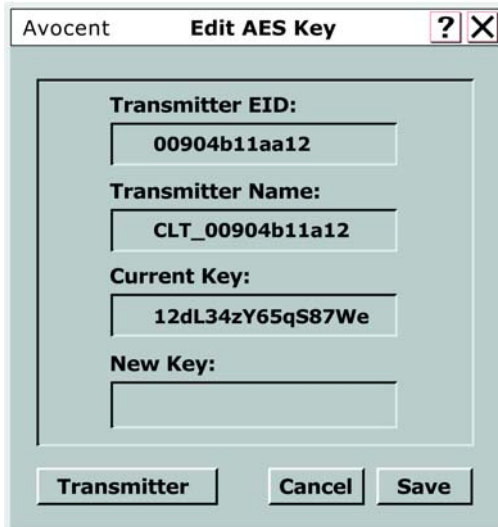


Figure 4.2: Editing an AES Key

WARNING: Incorrectly changing AES keys can cause transmitters to cease communications.

To delete an EID and AES key from the list:

1. Disconnect from the transmitter if you are currently connected.
2. From the AESKey menu, click the EID that you wish to delete.
3. Click *Delete*.

NOTE: A receiver may save a maximum of 32 EIDs and associated AES keys in FLASH memory. If the list is full, the user must delete an unused EID to allow a new EID and AES key to be saved.

APPENDICES

Appendix A: Technical Specifications

Table A.1: AutoView Wireless Switch Specifications

Mechanical	
Height	1.75" (4.45 cm), antenna extends 4.75" (12.07 cm) above lower surface of housing
Width	6.25" (15.88 cm)
Depth	5.25" (13.34 cm)
Weight	1 lb (0.45 kg)
Environmental/Power	
Operating Temperature	0°C to 40°C
Storage Temperature	- 20°C to 50°C
Power Supply	12 Vdc @ 1A from supplied 100 to 240 VAC 50/60 Hz switching power supply
Multimedia	
Video Link Performance	640 x 480, 800 x 600, 1024 x 768
Video Link Compatibility	VGA, SVGA, XGA
Video Interface	VGA compatible with analog RGB (15-pin D-shell), non-interlaced 60 Hz refresh rate
Audio Support	Analog audio
Supported Hardware	
Computer	Most standard IBM PC compatible computers
Video Resolution	VGA, SVGA, XGA
Peripherals	PS/2 keyboard, PS/2 mouse, speakers
Radio	
Radio Protocol	IEEE 802.11a
Radio Frequency	5150-5250; 5250-5350; 5725-5825 MHz
Radio Modulation	OFDM (Orthogonal Frequency Division Multiplexing)
Nominal Output Power	17dBm

Table A.1: AutoView Wireless Switch Specifications (Continued)

Radio (Continued)	
Range	XGA video resolution to 100 feet
Security	AES encryption with 802.1x authentication
Safety and EMC Standards	
	FCC Class A, UL, cUL

Appendix B: Technical Support

Our Technical Support staff is ready to assist you with any installation or operating issues you encounter with your Avocent product. If an issue should develop, follow the steps below for the fastest possible service:

1. Check the *Troubleshooting* section of this manual to see if the issue can be resolved by following the procedures outlined. See *Appendix C*.
2. Check our web site at www.avocent.com/support to search the knowledge base or use the on-line service request.
3. Call Avocent Technical Support for assistance at (888) 793-8763. Visit the Avocent web site at <http://www.avocent.com/support> and select *Support Phone Numbers* for current support hours.

Appendix C: Troubleshooting

Table C.1: AutoView Wireless Switch Troubleshooting

No power status light on transmitter or receiver	
	Verify that the green LED on the separate Avocent-supplied power supply is illuminated, indicating that the power supply is plugged in correctly.
	Ensure that the power cable from the Avocent-supplied power supply is securely plugged into the AutoView Wireless transmitter or AutoView Wireless receiver unit.
No video on monitor attached to transmitter	
	Verify that the monitor has power and is powered.
	Ensure that the video cable from the AutoView Wireless transmitter is securely plugged in to the correct connector on the computer.
	Ensure that the video cable from the AutoView Wireless transmitter is securely plugged in to the correct connector on the computer.
	Verify that the computer is powered.
	As a last check, plug the video cable from the monitor directly into the computer to verify that the monitor is working and that the computer is generating active video. If this is functioning, check that the display settings for your computer are set no higher than a resolution of 1024 x 768 at 60 Hz refresh rate. If the monitor does not function correctly, replace it.
No mouse and/or keyboard operation from peripherals attached to transmitter	
	Verify that the mouse and keyboard are connected to the correct PS/2 ports on the computer. Match the connector color codes (green is mouse and purple is keyboard).
	If the AutoView Wireless transmitter was powered up after the computer, turn off the computer and transmitter. Power up the AutoView Wireless transmitter unit, wait for the middle LED to illuminate, then power up the computer.
	Retest the mouse and keyboard by connecting them directly to the computer and rebooting. If one does not function correctly, replace the faulty peripheral.
No video on monitor attached to receiver	
	Verify that the monitor attached to the AutoView Wireless receiver has power and is powered.
	Ensure that the video cable from the monitor is securely plugged in to the correct connector on the AutoView Wireless receiver.
	Ensure that the video cable from the AutoView Wireless transmitter is securely plugged in to the correct connector on the computer.
	Verify that the computer is powered.

Table C.1: AutoView Wireless Switch Troubleshooting (Continued)

No video on monitor attached to receiver (Continued)	
	Cycle power to the AutoView Wireless receiver. The OSD should appear on the monitor. If the message does not appear, check the monitor by plugging the video cable from the monitor directly into the computer to verify that the monitor is working. If the monitor does not function correctly, replace it.
	Verify that two LEDs on both the AutoView Wireless transmitter and the AutoView Wireless receiver are illuminated a short period of time after power up (within 30 seconds). If two LEDs are not illuminated, the unit is not functioning correctly. Please contact Avocent Technical Support.
No mouse and/or keyboard operation from peripherals attached to receiver	
	Ensure that the mouse and keyboard operation cables are connected to the correct PS/2 ports on the AutoView Wireless receiver. Match the connector color codes (green is mouse and purple is keyboard).
	Ensure that the mouse and keyboard cables from the AutoView Wireless transmitter are connected to the correct PS/2 ports on the computer. Match the connector color codes (green is mouse and purple is keyboard).
	Verify that all three LEDs on both the AutoView Wireless transmitter and the AutoView Wireless receiver are illuminated, indicating that the receiver is linked to the transmitter. If all three LEDs are not illuminated, move the AutoView Wireless receiver closer to the AutoView Wireless transmitter unit and attempt to link the units again.
	Retest the mouse and keyboard by connecting them directly to the computer and rebooting. If one does not function correctly, replace the faulty peripheral.
No audio from speakers attached to receiver	
	Ensure that the audio cable is securely plugged into the line in port of the AutoView Wireless transmitter unit.
	Ensure that the audio cable is securely plugged into the line out port of the computer (should be color-coded green).
	Ensure that the speaker cable is securely plugged into the line out port of the AutoView Wireless receiver unit.
	Verify that all three LEDs on both the AutoView Wireless transmitter and the AutoView Wireless receiver are illuminated, indicating that the receiver is linked to the transmitter. If all three LEDs are not illuminated, move the AutoView Wireless receiver closer to the AutoView Wireless transmitter and attempt to link the units.
	Retest the speakers by connecting them directly to the computer. If they do not function correctly, replace them.
	Verify that the audio is not muted or the volume adjusted too low in the computer's audio software.

Table C.1: AutoView Wireless Switch Troubleshooting (Continued)

Poor video quality on monitor attached to receiver
Ensure that the video cable from the monitor is securely plugged in to the correct connector on the AutoView Wireless receiver.
Ensure that the video cable from the AutoView Wireless transmitter is securely plugged in to the correct connector on the computer.
Run Auto Setup from the OSD. Remember to click <i>Finish</i> to save new settings.
Slow response from peripherals attached to AutoView Wireless receiver
Run Auto Setup from the OSD. Remember to click <i>Finish</i> to save new settings.

Appendix D: Standards-based Technology

The AutoView Wireless transmitter and receiver utilize a proprietary design based on the 802.11a standard. The IEEE 802.11a standard is an extension of the 802.11b standard. It increases the data rate up to 54 Mbps within the 5 GHz band, utilizing Orthogonal Frequency Division Multiplexing (OFDM) technology.

This technology works by transmitting high-speed digital data over a radio wave utilizing OFDM technology. OFDM works by splitting the radio signal into multiple smaller sub-signals that are then transmitted simultaneously at different frequencies to the receiver. OFDM reduces the amount of crosstalk (interference) in signal transmissions.

LIMITED WARRANTY

Avocent Corporation warrants to the original retail purchaser that this product is and will be free from defects in materials and workmanship for a period of 24 months from the date of purchase.

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5. If unauthorized modifications were made to product.
4. If unreported damages occurred in any shipment of the product.
5. If damages were due to or caused by equipment or software not provided by Avocent.
6. If the unit is used with non-grounded or incorrectly polarized AC power.
7. If the product is used in contradiction to any instruction provided by any User Guide or Instruction Sheet provided to you or with the product.
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