

# Vertiv™ Avocent® ADX IPUHD 4K IP KVM Device

## Release Notes

VERSION 2.1.1, MARCH 2022

### Release Notes Section Outline

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### 1. Update Instructions

The Vertiv™ Avocent® ADX IPUHD 4K IP KVM device firmware may be updated through the web user interface (UI) of the Vertiv™ Avocent® ADX RM1048P Rack Manager. To access the Vertiv™ Avocent® ADX RM1048P Rack Manager web UI, enter your assigned IP address into a web browser (this IP address is provided upon initial set up of the rack manager).

**NOTE: For additional information on this process, see the Vertiv™ Avocent® ADX RM1048P Rack Manager Quick Installation Guide that was provided with the rack manager.**

To update the 4K IP KVM device firmware from the rack manager:

1. In a web browser, enter **https://<appliance.IP>** using the IP address for Vrf\_app0 that you configured from the Vertiv™ Avocent® ADX RM1048P Rack Manager console menu.
2. Enter your username and password at the login screen; the Targets List screen opens.
3. Find your Vertiv™ Avocent® ADX IPUHD 4K IP KVM device listed in the Targets List, then click on the vertical ellipsis icon at the end of this selected target's row.
4. Select the *Firmware Update* option.
5. During the firmware update process, select the filename which should be updated along with the Vertiv™ Avocent® ADX IPUHD 4K IP KVM device (with this version, for example, select *ipuhd\_2.1.1.static.mtd.tar*).

### 2. Device Firmware Version Information

DEVICE/PRODUCT	VERSION	FILENAME
Vertiv™ Avocent® ADX IPUHD 4K IP KVM device	2.1.1	ipuhd_2.1.1.static.mtd.tar

### 3. General Features Overview

For more information and detailed instructions on using the Vertiv™ Avocent® ADX IPUHD 4K IP KVM device and also optionally managing it with the Vertiv™ Avocent® ADX RM1048P Rack Manager, visit [www.vertiv.com/ADX-4K-IP-UHD-KVM](http://www.vertiv.com/ADX-4K-IP-UHD-KVM) or [www.vertiv.com/ADX-Rack-Manager](http://www.vertiv.com/ADX-Rack-Manager) for accompanying user documentation. Select the *Documents & Downloads* tab from each link location to access documentation options.

**NOTE: If you need additional assistance, please contact your Vertiv Technical Support representative.**

## Choose Your Configuration Mode

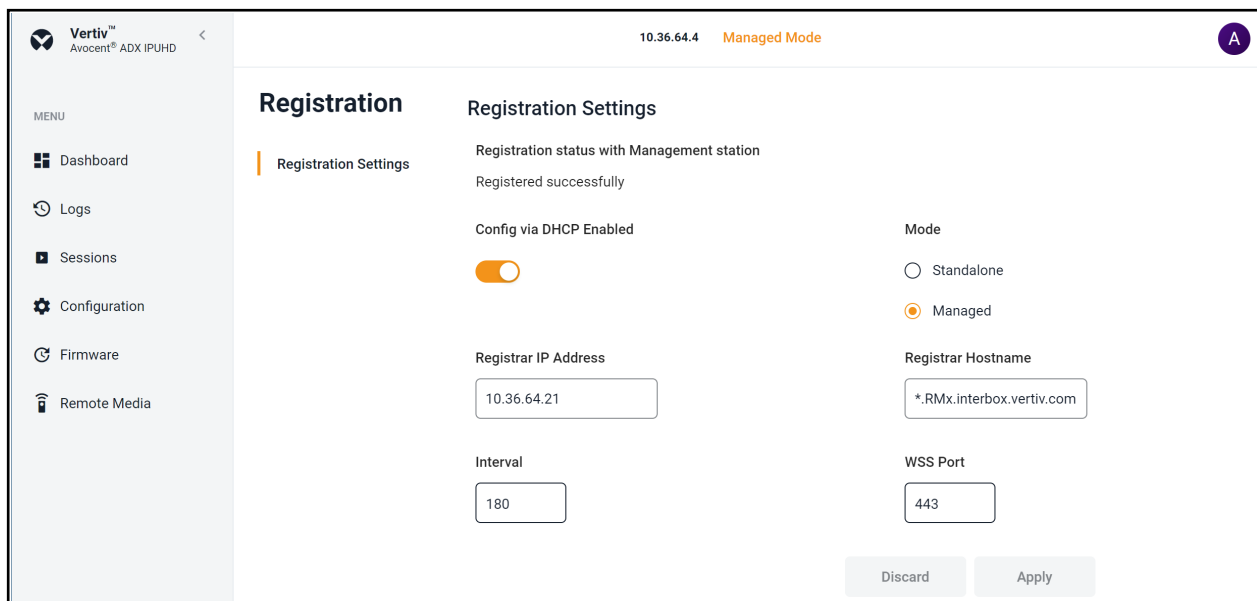
This release of the Vertiv™ Avocent® ADX IPUHD 4K IP KVM device allows you to choose which configuration you would like to use for your device:

- Choosing Managed mode allows you to operate your device through the Vertiv™ Avocent® ADX RM1048P Rack Manager. By default, Managed mode is selected.
- Choosing Standalone mode allows you to operate your device through the new Vertiv™ Avocent® ADX IPUHD 4K IP KVM device built-in web UI and power your device with a Vertiv™ Avocent® ADX IPPS Power Supply.

**NOTE: For additional information on accessing the 4K IP KVM device web UI, see the Vertiv™ Avocent® ADX IPUHD 4K IP KVM Device Quick Installation Guide for Configuration with a Vertiv™ Avocent® ADX IPPS Power Supply available at [www.vertiv.com/ADX-4K-IP-UHD-KVM](http://www.vertiv.com/ADX-4K-IP-UHD-KVM). The section for this type of configuration begins on page 2 of the quick installation guide.**

To change your mode option within the Vertiv™ Avocent® ADX IPUHD 4K IP KVM device web UI:

1. In a web browser, enter **https://ipuhd-<macaddr-LAN1>.local**, where macaddr-LAN1 is the MAC1 listing on the sticker of the 4K IP KVM device (for example: **https://ipuhd-12a4dc3255b0.local**).  
**NOTE: If the hostname is not found, you may use this predefined IP address instead: https://169.254.0.10.**
2. Enter your Vertiv™ Avocent® ADX IPUHD 4K IP KVM device username and password at the login screen, then select *Configuration- Registration*.
3. Under the Mode heading within the Registration Settings, click either the Standalone or Managed option.



## Supported Features List

The following additional features are also available with this release of the Vertiv™ Avocent® ADX IPUHD 4K IP KVM device:

- Audio, video resolution and color:
  - Remote audio with recording capabilities
  - 4K video resolution (3840 x 2160) at 30 Hz
  - 24-bit color
- KVM features:
  - HTML5 KVM Viewer providing automatic reconnect on network loss
  - KVM Preview mode
  - A selected resolution may now be forced onto the target system from the KVM Viewer

- Security and encryption:
  - TLS1.2 and TLS1.3
- Additional capabilities:
  - Access to HTML5 and server-based Virtual Media options
  - Access to Audit log
  - Ability to configure the Registration settings via DHCP-provided options
  - Ability to launch a serial session
  - Ability to configure the serial port parameters (such as the baud rate)
  - Ability to perform a serial console redirection via SSH (in addition to HTML5)
  - Ability to view and manage an active session list
  - Ability to update firmware
  - Support for Locator LED
  - Support for LDAP and Active Directory
  - Support for local user management
- System Setting capabilities:
  - Enable/disable password policy
  - Enable/disable FIPS 140-2 mode
  - Set HTTPS timeout
  - Set NTP or local time
  - Select Static or DHCP IPv4/IPv6
  - Manage SSL certificates

#### 4. Client Browser Support Information

**NOTE: Unless noted otherwise, both 32-bit and 64-bit browsers are supported.**

BROWSER	PREFERRED VERSION	SUPPORTED VERSIONS
Edge	99	79+
Firefox	97	35+
Chrome	99	40+
Safari	15	12+

#### 5. Known Issues and Limitations

- This release does not support Microsoft Internet Explorer.
- SW flow control (XON/XOFF) on the serial port is not working.
- In the KVM Viewer, waking up a target OS from sleep via mouse/keyboard movement is not working.