

Visual Array Management System
PlexusAV P-AVN-VA
Software Version 1.4.2 Release Notes

June 25, 2026

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Introduction

This document covers software version 1.4.2 of PlexusAV P-AVN-VA software.

Firmware for all PlexusAV products is aligned, meaning that all devices running 1.4.x firmware will work together seamlessly.

P-AVN-VA using 1.4.2 will still work with P-AVN-SCG 1.3.X and 1.4.X software.

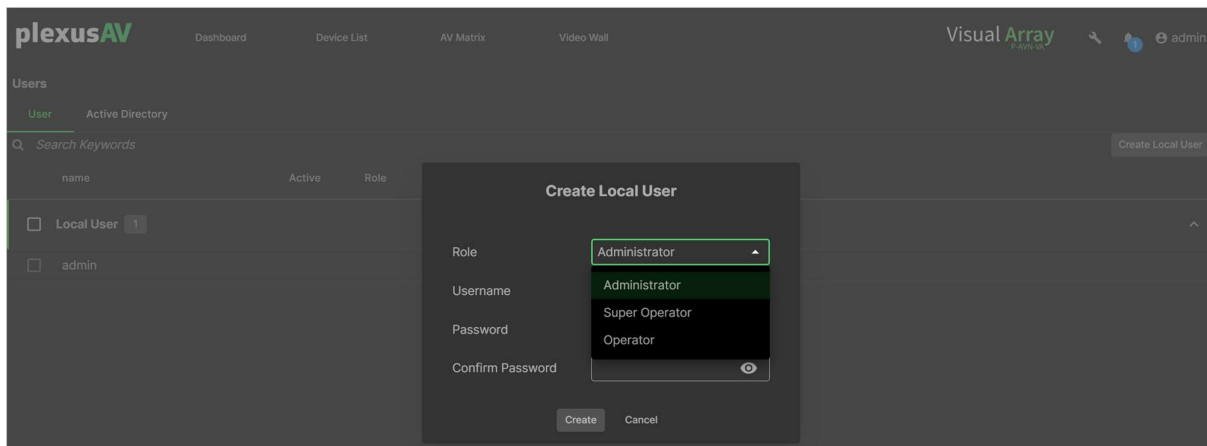
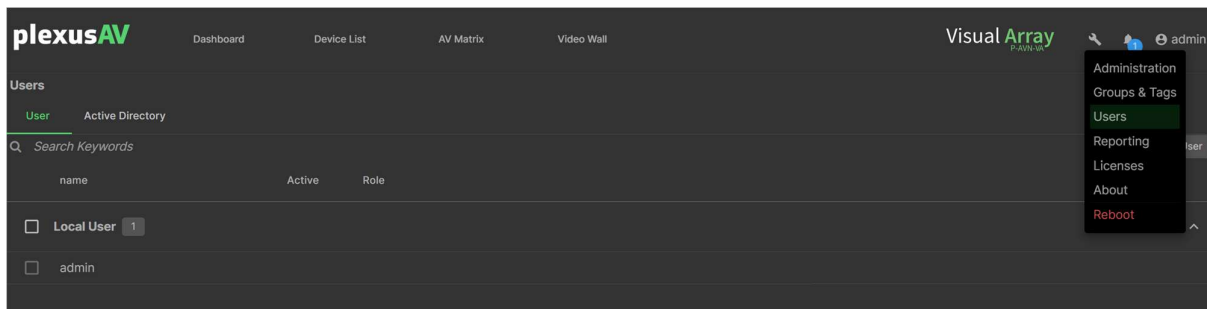
New features

User Roles & Permissions

This update introduces role-based access control, giving administrators fine-grained control over who can do what within Visual Array. Three roles are available:

- Administrator – full rights and permissions over all aspects of Visual Array, including user management, licensing, and system updates.
- Super Operator – manages the groups assigned by an Administrator and can assign those groups to Operators, but does not have access to advanced configuration such as user management, licensing, or software updates.
- Operator – sees only the groups assigned to them and can make encoder/decoder connections on the AV Matrix page.

Local user accounts can be created, modified, and deactivated from Tools → Users → User.



Active Directory (LDAP) Integration

Visual Array can now authenticate users against your organization's Active Directory, removing the need to manage separate local accounts.

- Configure your AD server under Tools → Users → Active Directory.
- Add an existing AD group under Tools → Users → User and assign it a role.
- AD users can then log in to Visual Array using their domain credentials in the format domain\username.

The screenshot shows the plexusAV web interface. The top navigation bar includes 'Dashboard', 'Device List', 'AV Matrix', and 'Video Wall'. The user is logged in as 'admin'. The 'Users' section is active, and the 'Active Directory' tab is selected. The configuration page shows the 'Active Directory' toggle set to 'Off'. Below this, the 'Authenticated Method' is 'GSSAPI (Kerberos)', the 'Domain Name (Realm)' is 'EXAMPLE.COM', the 'Domain Controller Name' is 'dc01', the 'Port' is '389', and the 'Encryption Method' is 'None'. A 'Configure' button is visible in the top right corner of the configuration area.

This screenshot shows the same plexusAV interface, but with a 'Configure' modal window open. The modal contains the following fields: 'Active Directory State' (a toggle switch), 'Authenticated Method' (a dropdown menu set to 'GSSAPI (Kerberos)'), 'Domain Name (Realm)' (a text field with 'EXAMPLE.COM'), 'Domain Controller Name' (a text field with 'dc01'), 'Encryption Method' (a dropdown menu set to 'None'), and 'Port' (a text field with '389'). At the bottom of the modal are 'Apply' and 'Cancel' buttons. The background configuration page is dimmed but still visible.

IPMX Speaker Integration

Visual Array now supports IPMX speaker devices, including status monitoring, configuration, and audio routing.

- Speakers are automatically detected and counted on the Dashboard.
- Speaker status and details appear under Device List → Audio Device.
- Speaker Basic and Advanced Settings can be configured directly from Visual Array.
- Encoders can be connected to speakers from the Audio Routing tab of the AV Matrix page.

Device List Screenshot:

Status	Name	Device Type	Tag	UID	LED	IP Address	Sync	PPM (ms)	PTP Clock Mode	Sample Rate	Rx/Tx Bandwidth	Dante Address
Online/Live	P-AVN-SPK-6S-B-0a192b	P-AVN-SPK-6S-B				192.168.1.82		220213255	SLAVE	48KHz	2.94/0.06 Mbps	169.254.46.244

AV Matrix Screenshot:

The AV Matrix interface shows a grid for routing audio. The top row lists routing types: All Routing, AV Routing, Data Routing, KVM Routing, H.26x Routing, JXS Routing, and Audio Routing. The bottom row shows a grid of devices and their connections.

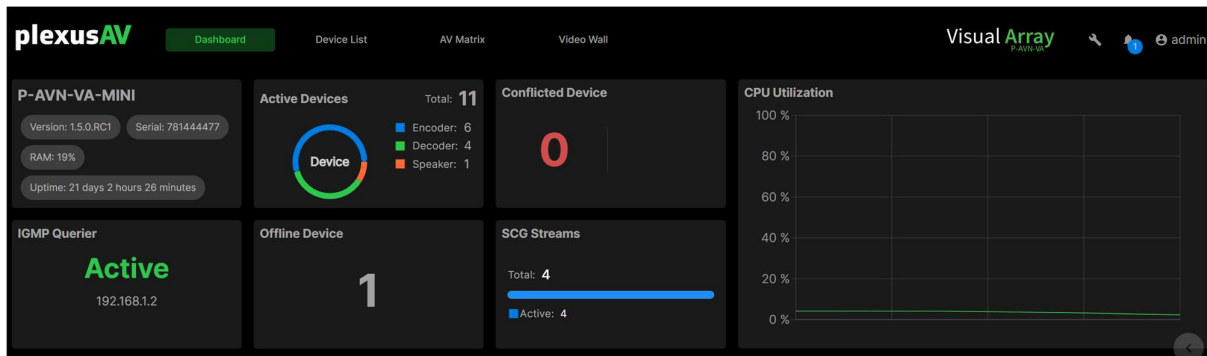
Encoders / TX Devices	Decoders / RX Devices	CH-1	CH-2	CH-3	CH-4	IPMX Destination 2	P-AVN-4-7289385	SCG IPTV
AIDA NDI BENCH-ENC-CH1 BOLIN RTSP	P-AVN-SPK-6S-B... AVN-SPK-6S-B	CH-1 3840x2160p 60fps JXS H.26x SPK V A V O A O CH 1 CH 2 USB RS232						

Minor Improvements

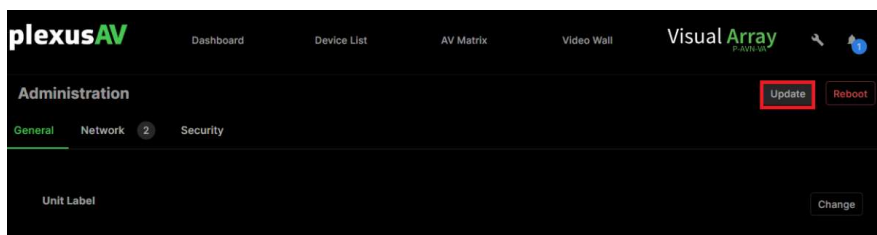
- AV Matrix “All” routing now correctly links all selected devices.
- Improved scrolling behavior for the encoder/decoder bar and Tile View.
- Improved Device List view, selection handling, and status filtering.
- Local user search reliability improvements.
- Basic Settings batch-provisioning improvements.
- Dashboard widget and layout refinements.
- General reporting display improvements.

Upgrade procedure

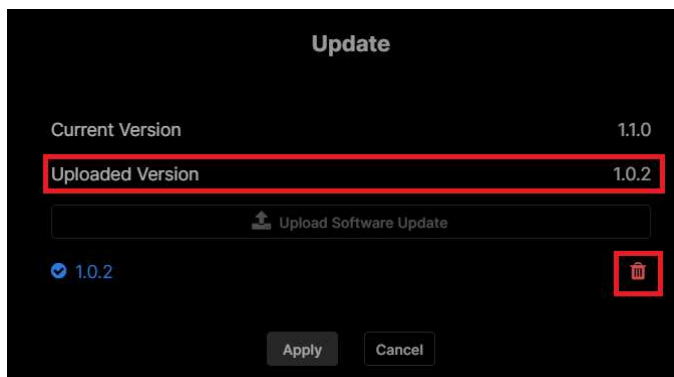
In Visual Array, click the “tools icon” in the upper right corner and select “Administration”.



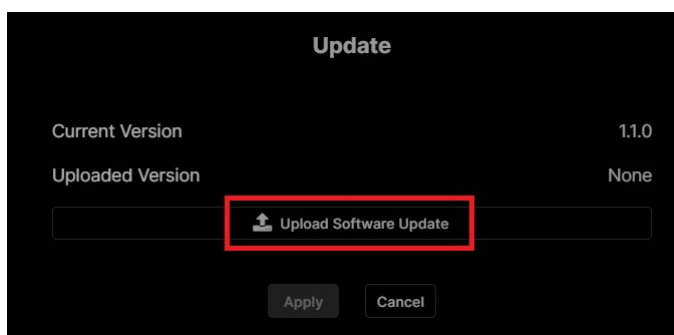
Click “Update”.



If there already is an uploaded firmware version, please delete it by clicking the “bin” icon.



Upload the 1.4.2 Visual Array software:



Click “Apply” to apply the new software.