

Matrox® **Release Notes**

Matrox® Maeve™ 5100 Series
Software version 1.02

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Graphics for Professionals

Overview

This document describes the current release of the Matrox MaeveX 5100 Series hardware and software. Matrox provides these notes to describe bug fixes and improvements to MaeveX hardware and PowerStream software.

What's new in this release

This release contains bug fixes and additional software enhancements and optimizations, and new features and options.

- Communicate stream resolution through metadata (instead of custom stream address) for better compatibility with IP camera sources and software decoding.
- On-the-fly source resolution change (no need to stop and start streaming encoders and decoders).
- Improved PowerStream reliability when detecting, configuring, and reporting the status of MaeveX units.
- Enhanced PowerStream user interface.
- PowerStream help file is now directly accessible from the main PowerStream Environment.
- Improved image quality at high bit rates.
- Firmware Updater now works independently of PowerStream.
- Added Firmware Updater capability to select and update multiple units simultaneously (option set as default).

Notes and limitations

- Before daisy chaining your decoders, make sure each decoder is connected directly to the network. This enables the DHCP server to allocate an IP address to the decoder.
- Audio distortion may occur if the analog audio input voltage level is too high. If this occurs, we recommend reducing the analog input signal voltage level from the host system (turn down the input volume).
- HDCP (High-Bandwidth Digital Content Protection) isn't supported and will result in a blank screen (blue) while using the confidence preview output method, or it will result in intended distorted display (blank screen or snowy display) while using the pass through output method.

- USB, RS232, and SD® Card connectivity aren't supported.
- Certain non-Matrox graphics cards may not properly support certain resolutions. For example, they don't output full-screen images in a 1920 × 1080 resolution (you can replicate this connecting your display directly to your graphics card). For information on the capabilities of your graphics card, contact your graphics hardware manufacturer.
- Your Maevox units can only be detected on a DHCP network. To locate a Maevox unit outside the DHCP subnet, first detect the Maevox unit on the subnet, then set the Maevox unit to a fixed IP address known to be available on the LAN outside the subnet. Remove the Maevox unit from the subnet and place it in the intended location on the LAN.
- Multicast streaming requires networking hardware that supports and is properly configured for IPv4 multicasting. Otherwise, only unicast streaming will be supported.
- Switching between dynamic and static IP addresses isn't supported while encoding or decoding. Before you change the IP address, make sure you stop encoding or decoding.
- If you're using PowerStream software to set a static IP address, make sure the IP address you want to set isn't already allocated to another device on the network.
- When switching between the **Use pass through** and **Use confidence preview** output methods on the encoder, the source system's HDMI® digital audio may be disabled. To re-enable the HDMI digital audio, disconnect and reconnect the HDMI input cable on the Maevox encoder.
- **Windows 8/7** – If your controller system doesn't have access to a DNS server or if response from its DNS server is slow, PowerStream may take a long time to start up (several minutes). To avoid this delay, configure your controller system to use a fixed IP address (such as local host – 127.0.0.1) as its DNS server.
- Downgrading your firmware version to an older version isn't supported.
- To ensure compatibility with autonegotiating network switches and routers, your Maevox units use autonegotiation for their network speed and duplex settings. We recommend you configure the networking hardware your Maevox product is connected to so that it also autonegotiates these settings. Manually configuring the speed or duplex settings of your networking hardware may result in a *duplex mismatch*. Duplex mismatch causes poor network performance and may cause image corruption or blockiness. If this occurs, and if your networking hardware can't be set to autonegotiate its network settings, configure the settings to half-duplex communication (the default when autonegotiation fails). If the image corruption persists, make sure your networking hardware (and the ports connected to your Maevox units) aren't overloaded and dropping data packets. If necessary, increase the bandwidth allocated to the ports connected to your Maevox units, or try using different ports.

- **Windows 7/XP** – Audio and video corruption or stutter may occur when the VLC **Force multicast RTP via RTSP** option is enabled. If this occurs, try disabling the **Force multicast RTP via RTSP** option. If possible, use Windows 8.x operating system.

Contact Us

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