Current Firmware Revision: 2.05

The following notes provide known firmware issues and release history for the Extron MAV V, AV, SV, and SVA Series matrix switchers in I/O sizes of 4x4, 4x8, 8x4 and 8x8. For more information please call your Extron Applications Engineer.

Updated:	October --, 2007
Extron Products Affected:	MAV Series
Firmware Part number:	19-1454-01
Current Engineering Revision:	E18794
Current Firmware revision:	2.05

TECH NOTES

This firmware update only applies to firmware revision 2.0 and up.

KNOWN FIRMWARE ISSUES

Known issues involving version 2.05 - None

FIRMWARE RELEASE HISTORY

Released Version: 2.05
        Affects: **Engineering Revision Affected:** prior to E18794
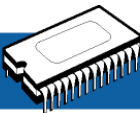   **Firmware Revision Affected:** 2.04
                    Date of Occurrence: Units shipped prior to December 2007

Firmware revision 2.05 provides support for updates to hardware but does not change the basic operation of the switchers.

The following new features have been added to the Series:

- **Added the "&" delimiter for video-only ties for compatibility with the MKP 3000 Series X-Y remote control panel.**

The MKP 3000 sends the "&" (RGB) delimiter for video-only ties instead of the "%" (video) delimiter used by the MAV Series. Firmware revision 2.05 adds support for both delimiters.

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- **Added selectable control of the IR receiver through SIS commands.**

The IR receiver can be disabled (default) or enabled via RS-232. In order to enable IR feature, a new SIS command is added. This is the only way to enable the IR receiver.

```
IR RECEIVER                  ASCII                 Unit response

IR Receiver enable/disable

                             X*65#                 IRdisable* X


Read IR status               65#                        X


Where:

X =IR enable/disable value   0 = enable IR port
                             1 = disable IR port (default)
```
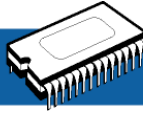
This feature aids in troubleshooting and can be helpful when a variety of IR-enabled Extron products are installed near each other.

NOTE: Pressing and holding the Preset button on the front panel while applying AC power will clear all I/O ties and presets but set IR receiver to its default (disabled) state.

The following is a list of known issues with Firmware version 2.04 that are now resolved with Version 2.05:

- Presets without any ties can now be saved and recalled

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Released Version: 2.04

Affects: **Engineering Revision Affected:** prior to E17294
Firmware Revision Affected: 2.03
Date of Occurrence: Units shipped prior to May 2006

The following is a list of known issues with Firmware version 2.03 that are now resolved with Version 2.04:

Corrected the sensitivity of the switcher's IR Receiver to other IR sources – The switcher's IR Receiver is sensitive to the reception of IR signals from any IR remote and from IR signals emitted from fluorescent lighting fixtures. When the unit receives an IR signal, the front panel Power LED "blinks". Firmware version 1.03 corrects the blinking of the Power LED; it will now blink only when a valid command for the unit is received.
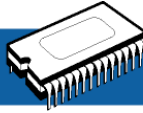
Corrected the clearing of ties when an unsaved preset is recalled – Page 3-17 of the current User Manual, "Recalling a Preset," states that "If you then recall the configuration from an unlit preset number, all ties will be cleared". This feature has been updated. Pressing an unlit preset number, or recalling an unsaved preset via the SIS command, will no longer clear all I/O ties.

Additional feature added:

The IR remote control can now remove I/O ties. The updated feature is based on the SIS command to remove ties using input = 0 (zero).

Steps to remove an I/O tie when using the remote control:

1. Press INPUT button
2. Select 0 from the I/O selection pad
3. Press OUTPUT button
4. Select the output number you want to remove / untie
5. Press the ENTER button to execute.

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Released Version: 2.03
> **Affects: Engineering Revision Affected:** prior to E16685
> **Firmware Revision Affected:** 2.02
> **Date of Occurrence:** Units shipped prior to May 2006

The following is a list of known issues with Firmware version 2.02 that are now resolved by Version 2.03:

Corrected Reset LED Confirmation Pattern - The factory reset during the power up process did not display the correct LED pattern. LED's would turn on sequentially left to right, but would not stay on, even if the Reset button had not been released. The Reset LED's now all light and stay on until the Reset buttons are released.
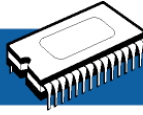
Corrected Hardware Reset – Resetting presets via the front panel during power up caused new I/O ties without video output. The front panel and RS-232 port responded to the tie creation, but did not route the signal properly.

FIRMWARE RELEASE HISTORY

Released Version: 2.02
> **Affects: Engineering Revision Affected:** prior to E16549
> **Firmware Revision Affected:** 2.01
> **Date of Occurrence:** Units shipped prior to April 2006

The following is a known issue with Firmware version 2.01 that is now resolved by Version 2.02:

Corrected Intermittent Issues Due to Flash Memory Corruption – If power was disconnected or interrupted while unit was writing into flash memory, the unit intermittently exhibited irregular behavior. The symptoms included loss of settings and current configuration, inability to properly perform switching functions, and muting of video and/or audio.

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FIRMWARE RELEASE HISTORY

Released Version: 2.01
          Affects: **Engineering Revision Affected:** prior to E15517
                     Firmware Revision Affected: 2.00
                     Date of Occurrence: Units shipped prior to April 2005

The following is a list of known issues with Firmware version 2.00 that are now resolved by Version 2.01:

Corrected the restoration of Saved Presets in non-audio versions – MAV Series matrix switchers without audio did not restore saved presets when power was cycled. This has been corrected in v2.01.

Corrected the recall of Presets in View Mode – When front panel was in View Mode, it was not possible to recall Presets 9 and above from the front panel.