Software Release Notes

Christie MicroTiles firmware v1.0.18

This document provides information about Christie MicroTiles v1.0.18, released to provide additional features and functionality.

Applies to the following products	Prepared for
• MicroTiles	Internal and External Operators and Service Technicians

New in this release

The v1.0.18 release introduces the following new features and changes:

- Updated color adjustment feature. A new algorithm is added to allow the adjustment of Red Part, Green Part and Blue Part of each color individually.
- Added support for new MicroTiles model MT-03.

Issues resolved since v1.0.17

This release of MicroTiles contains the following resolved issues:

- Dropped tiles will be ignored by the color/brightness matching algorithm, they will maintain their last color/brightness settings.

Known issues

This release of MicroTiles contains the following known issues.

- Color correction data is not carried forward after the system is upgraded, downgraded, and upgraded again.

Upgrading the tile, ECU, and Light Engine software

Upgrade the MicroTiles to use the latest software.

Begin with the software upgrade and then the *FPGA upgrade* (on page 2).

1. Download the latest software from *www.christiedigital.com* and save it to a computer that will be connected to the array for the upgrade.
2. Open the MicroTiles WebUI.
3. Upgrade the ECU software.
   a) Select **Configuration** > **Firmware Upgrade** > **ECUs**.
   b) Select an ECU from the table or click **Select All**.
   c) Click **Firmware** and locate the software upgrade file on the computer.
   d) When the upgrade is completed, reset the tiles to make sure the new upgrades are active. To reset the tiles select **Configuration** > **Power** > **Reset** > **ECUs**.

If the web browser does not recognize the new WebUI application from the ECU, clear the web browser cache.

4. Upgrade the MicroTiles software.

   a) Select **Configuration** > **Firmware Upgrade** > **Tiles**.

   b) In the **Tile Schematic** area, select the tiles to upgrade or click **Select All**.

   c) Click **Firmware** and locate the software upgrade file on the computer.

   d) When the upgrade is completed, reset the tiles to ensure the new upgrades are active. To reset the tiles select **Configuration** > **Power** > **Reset** > **Tiles**.

5. Upgrade the Light Engine:

   a) Select **Configuration** > **Firmware Upgrade** > **Tiles**.

   b) To upgrade the software for the light engine in all of the selected tiles, select **Light Engine**.

   c) In the **Tile Schematic** area, select the tiles to upgrade or click **Select All**.

   d) Click **Firmware** and locate the software upgrade file on the computer.

   e) When the upgrade is completed, reset the tiles to make sure the new upgrades are active. To reset the tiles select **Configuration** > **Power** > **Reset** > **Tiles**.

   After upgrading the light engine software, a message may be displayed stating some tiles failed to update due to hardware mismatch. This indicates that those tiles did not require the update.

Upgrading the Field Programmable Gate Array (FPGA)

Christie recommends performing the FPGA hardware upgrade at the same time as a software upgrade.

Adobe® Flash Player™ Plug-In version 10.0 or higher must be installed to initiate the upgrades.

1. Upgrade the MicroTiles FPGA:

   a) Select **Configuration** > **Firmware Upgrade** > **Tiles**.

   b) Select **FPGA** and then locate the software upgrade file on your PC.

   c) To initiate the upgrade click **Open**.

   FPGA hardware upgrades take approximately three minutes to complete for a single tile or 35 minutes for 100 connected tiles.

   d) When the upgrade is completed, reset the tiles to make sure the new upgrades are active. To reset the tiles select **Configuration** > **Power** > **Reset** > **Tiles**.

2. Upgrade the ECU FPGA:

   a) From the WebUI, select **Configuration** from the top menu bar and then **Firmware Upgrade** > **ECUs**.

   b) Select **FPGA** and locate the software upgrade file on your PC.

   c) To initiate the upgrade click **Open**.

   d) When the upgrade is completed, reset the tiles to make sure the new upgrades are active. To reset the tiles select **Configuration** > **Power** > **Reset** > **ECUs**.

Software versions

After the upgrade is complete, the components are updated to the following software versions.

Component	Firmware version	Part number
MicroTiles—Tile firmware	1.0.18.5709	All tiles
ECU—Firmware	1.0.18.5709	All ECUs
ECU—FPGA	1.1.5032	All ECUs
MicroTiles—FPGA	1.1.4708 (FEF2)	123-001102-01
	1.1.4988 (FEF3)	123-003104-01 123-001102-03
	1.1.5620 (FEF5)	123-003104-02
MicroTiles—Light Engine	1.0.13 (FEF2)	123-001102-01
	1.0.13 (FEF3)	123-003104-01 123-001102-03
	2.1.18 (FEF5)	123-003104-02

Technical support

Technical support for Christie products is available at:

- North and South America: +1-800-221-8025 or Support.Americas@christiedigital.com
- Europe, Middle East, and Africa: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com
- Asia Pacific: +65 6877-8737 Support.APAC@christiedigital.com