XM310K Quick Start Guide - FW.2.1.10

Flanders Scientific Inc.

This guide is designed as a quick reference for using the XM310K with firmware version 2.1.10.

Color System

The monitor features 5 Color System selections: GaiaColor, LightSpace, CalMAN, User, and NONE. ***The Gaia-Color Color System is the factory default selection***. LightSpace, CalMAN, and USER Color Systems provide additional end-user accesible memory banks allowing you to store and activate calibration LUTs. NONE disables calibration entirely. If you have not saved custom calibrations to one of the other Color System memories please ensure that the Color System selection is set to GaiaColor. See full user manual and/or calibration guides for details.

The XM310K can operate in Dynamic (modulated backlight) luminance mode or static (e.g. LUM 100) luminance mode. Dynamic is required for HDR operation, but will also work for SDR selection (eg. Rec709, gamma 2.4).

Recommended Configurations Using Firmware 2.1.10

Basic settings for the two most commonly used configurations on the XM310K are provided below.

For P3 D65 PQ HDR
Color System: GaiaColor
Gamut: P3-ST2084
Temperature: 6500K
EOTF: ST 2084
Luminance Mode: Dynamic
Optimize Modulation (Found on Video Menu): Peak or Motion

For Rec709 D65 Gamma 2.4 SDR
Color System: GaiaColor
Gamut: Rec709
Temperature: 6500K
EOTF: Gamma 2.4
Luminance Mode: Dynamic
Optimize Modulation (Found on Video Menu): Peak or Motion

Connectivity

The preferred configuration is single link 12Gbps or 6Gbps SDI. Quad Link 3Gbps and 1.5Gbps Square Division signals are also supported, but must be manually selected from the Video Menu.

FW 2.1.10 Known Issues List

The following known issues will be addressed in a future release.
TimeCode display is currently inactive.
2 sample interleave (2SI) formatted signals are not currently supported, use SQ division instead.
Display Port input is currently inactive.

For further support please contact Support@FlandersScientific.com or +1.678.835.4934