Flanders Scientific Inc.

IP Remote Utility Instructions for FSI Monitors

05.23.2025

IPRU version 1.10.0.
We recommend always using the most up to date version of IPRU

For IPRU use with BoxIO please see the BoxIO user manual for detailed instructions

Flanders Scientific, Inc.
6215 Shiloh Crossing
Suite G
Alpharetta, GA 30005
Phone: +1.678.835.4934
Fax: +1.678.804.1882
E-Mail: Support@FlandersScientific.com
www.FlandersScientific.com

The IP Remote Utility, available for Mac, PC, and iOS devices, provides useful toggles and controls for management of your AM, BM, CM, DM, XM, & XMP series monitors as well as BoxIO units.

Connecting an FSI monitor to a Network
To add an FSI monitor to a network connect an ethernet cable from your router or switch to the monitor's LAN port.

DHCP / Static IP Settings
FSI monitors are DHCP compatible and will obtain an IP address from your network's DHCP server if available. You can view the monitor's IP address in the System Status menu. If no IP address is shown you can select the IP Reset option on the monitor to ensure DHCP is on and force a release / renew.

A static IP address can also be assigned to the monitor using the monitor menu and for permanent installations relying on regular use of the IPRU setting a static IP address is often the best and most convenient option. For more information about setting a Static IP, see the user manual for your corresponding monitor model.

Direct Connection
FSI monitors can also be connected directly to your PC or Mac via an ethernet cable without a router or switch. To directly connect you must assign static IP addresses to your monitor and to your computer using the same subnet mask. The IP addresses must be different for each device. When connecting directly, you should disable other network connections (including WiFi) on your computer.

Direct connection may be useful for temporary use cases, but generally speaking it is advisable to add your monitor to an existing network for more permanent installs.

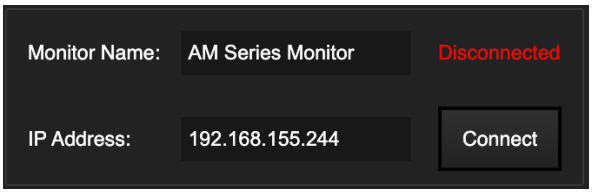
The IP addresses must be different for each device.

Suggested Settings:
Computer IP: 192.168.001.002
Subnet Mask on Computer and Monitor: 255.255.255.0
Monitor IP: 192.168.001.003
Gateway IP setting on monitor: 192.168.001.001

Note: When changing static IP addresses, you must power cycle the monitor to set the new IP address. If the monitor fails to obtain an IP address or disconnects, try toggling DHCP On and Off to reset the network settings.

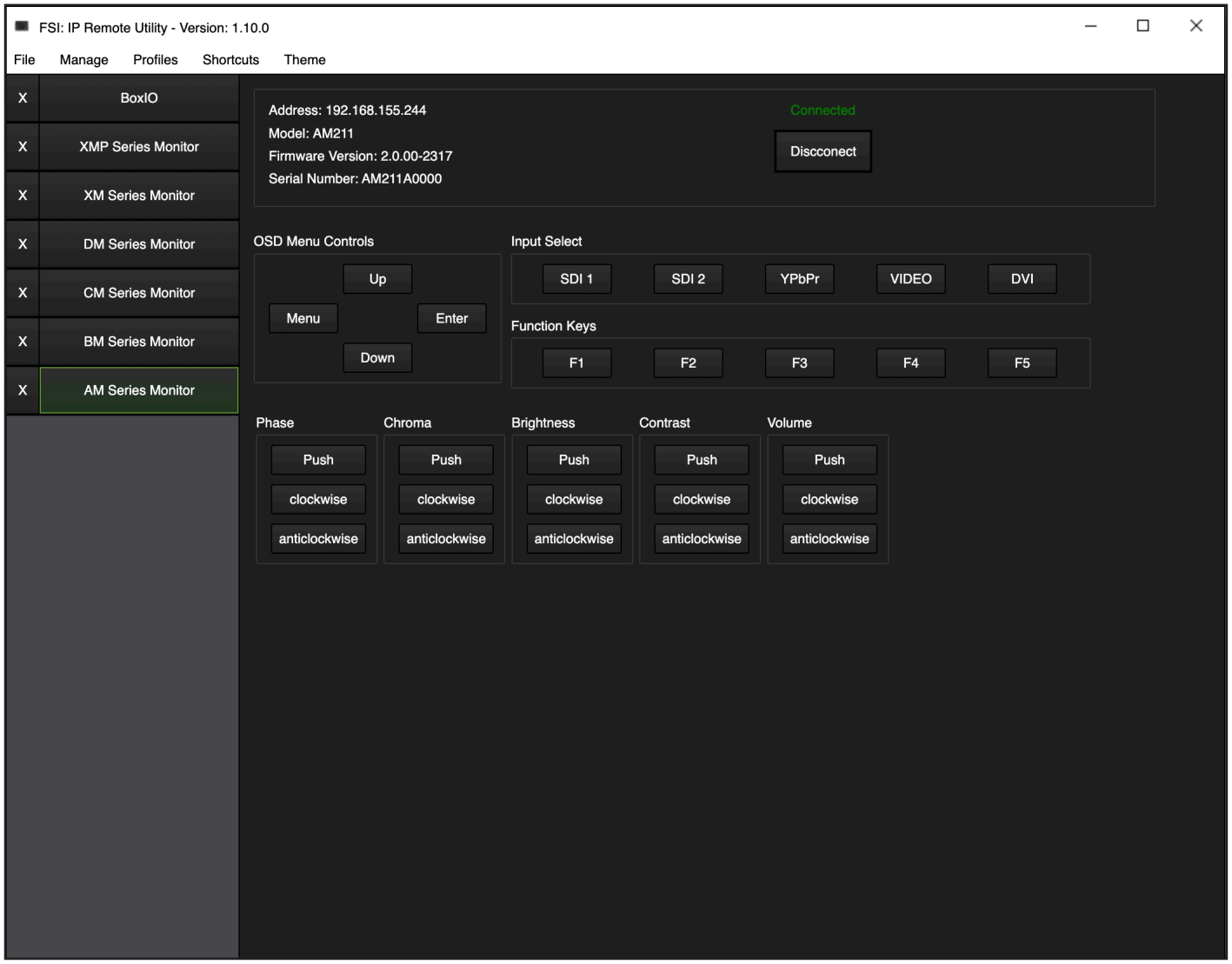
Connecting to a monitor with IPRU

Once the monitor is connected to your network launch the IPRU and select Manage > Add Monitor to add a Monitor Tab if one is not already listed.



You can give the device a name to easily differentiate it in your tab list on the left. Next, type in the IP address of the monitor and press connect.

Once connected, IPRU gives you basic control of the menu, input, function, and rotary knobs on AM, BM, & CM series monitors.



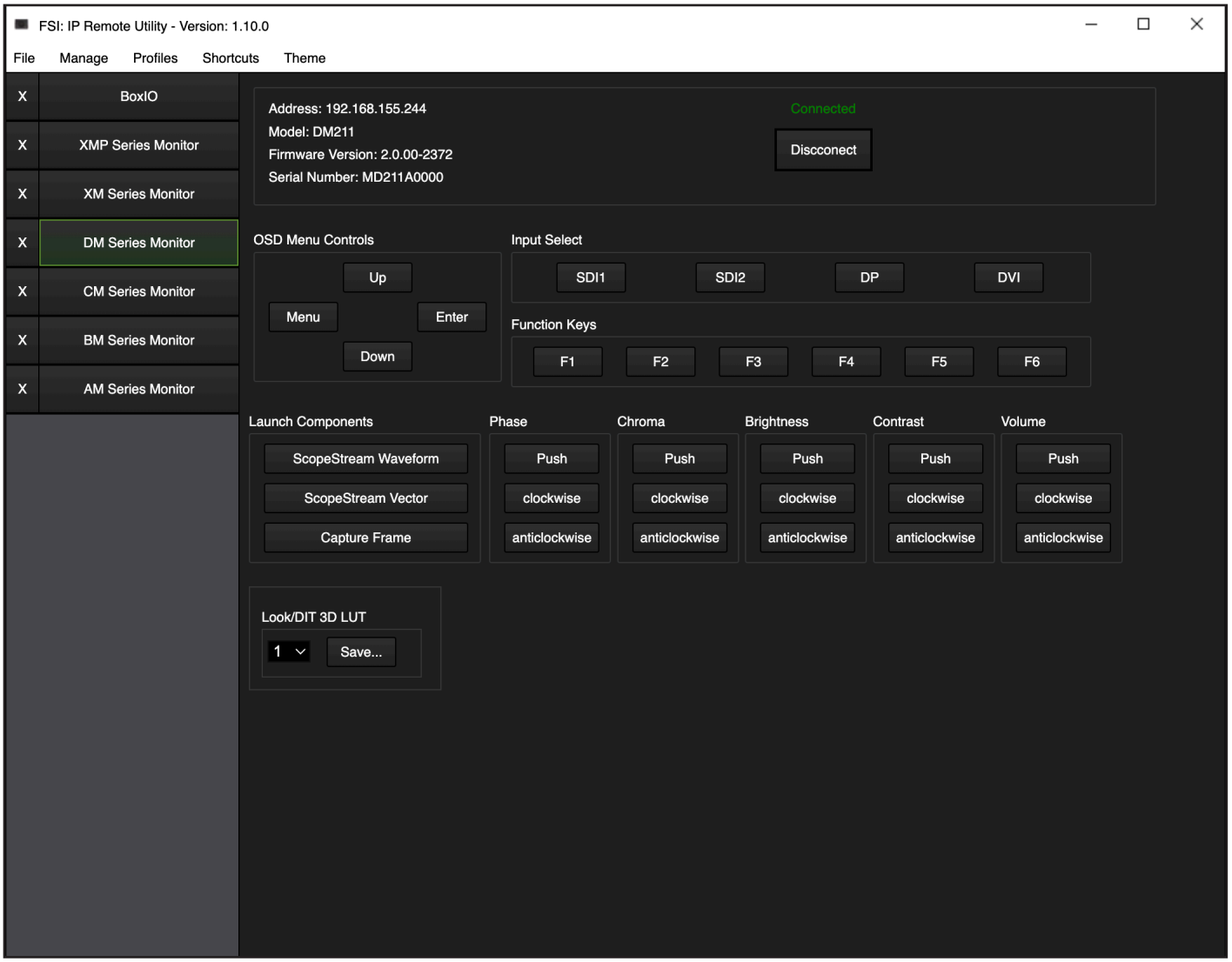
Additional DM Series Features

ScopeStream Waveform and Vectorscope

Waveform and Vectorscope transmitted directly from your monitor to your computer with no additional equipment needed. Pressing these buttons will launch additional windows.

Look/DIT 3D LUT

Save Look/DIT 3D LUTs to DM series monitors by selecting a memory slot from the drop down and clicking the Save... button to launch a prompt to choose a ***.dat*** or ***.cube*** lut file to load to the monitor. Accepts 17^3 .cubes natively and will automatically convert 33^3 cubes using high quality tetrahedral interpolation.



Additional XM Series Features

Press the More >> Button at the top of the IPRU page to open LUT controls. For information about XM series LUT modes, see corresponding model user manual.

Look/DIT 1D & 3D LUTs

Save Look/DIT 1D and 3D LUTs to XM series monitors by selecting a memory slot from the drop down and clicking the Save... button to launch a prompt to choose a ***.dat*** or ***.cube*** lut file to save to the monitor.

IPRU accepts 17^3 .cubes natively and will automatically convert 33^3 .cubes using high quality tetrahedral interpolation.

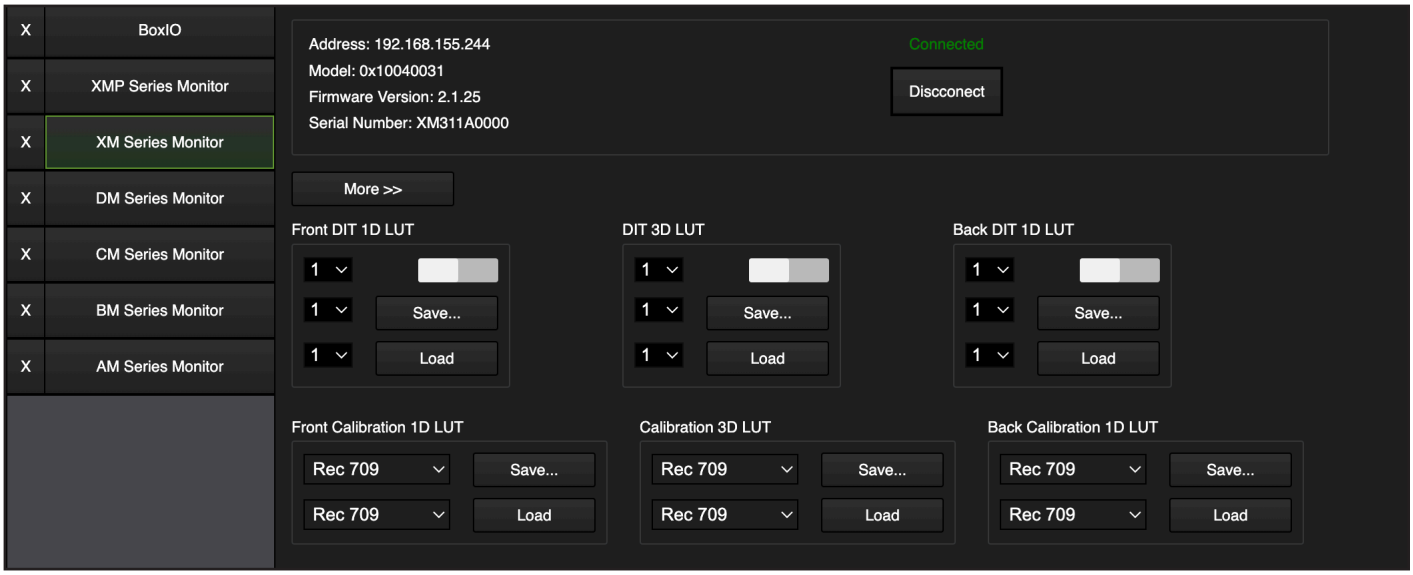
You can Load DIT LUTs from monitor memory by selecting the memory position you wish to load from the drop down and clicking the Load button. The switch can turn on and off the DIT LUT function.

Calibration 1D & 3D LUTs

You can save 1D and 3D Calibration LUTs to the monitor using the corresponding drop downs and clicking the Save... button to launch a prompt to choose a ***.dat*** or ***.cube*** lut file.

IPRU has automatic correct scaling for 17^3 and 33^3 .cubes when saving calibration LUTs on XM series monitors using high quality tetrahedral interpolation in both Normal and Advanced modes.

You can Load calibration LUTs from monitor memory by selecting the memory position you wish to load from the drop down and clicking the Load button.



Additional XMP Series Features

Press the More >> Button at the top of the IPRU page to open LUT controls.

Preview Look/DIT 1D & 3D LUTs

You can preview a Look/DIT LUT on XMP series monitors on SDI 1 without permanently saving it to monitor memory using the Preview on SDI 1... button. The button will launch a prompt to choose a ***.dat*** or ***.cube*** lut file to preview on the monitor.

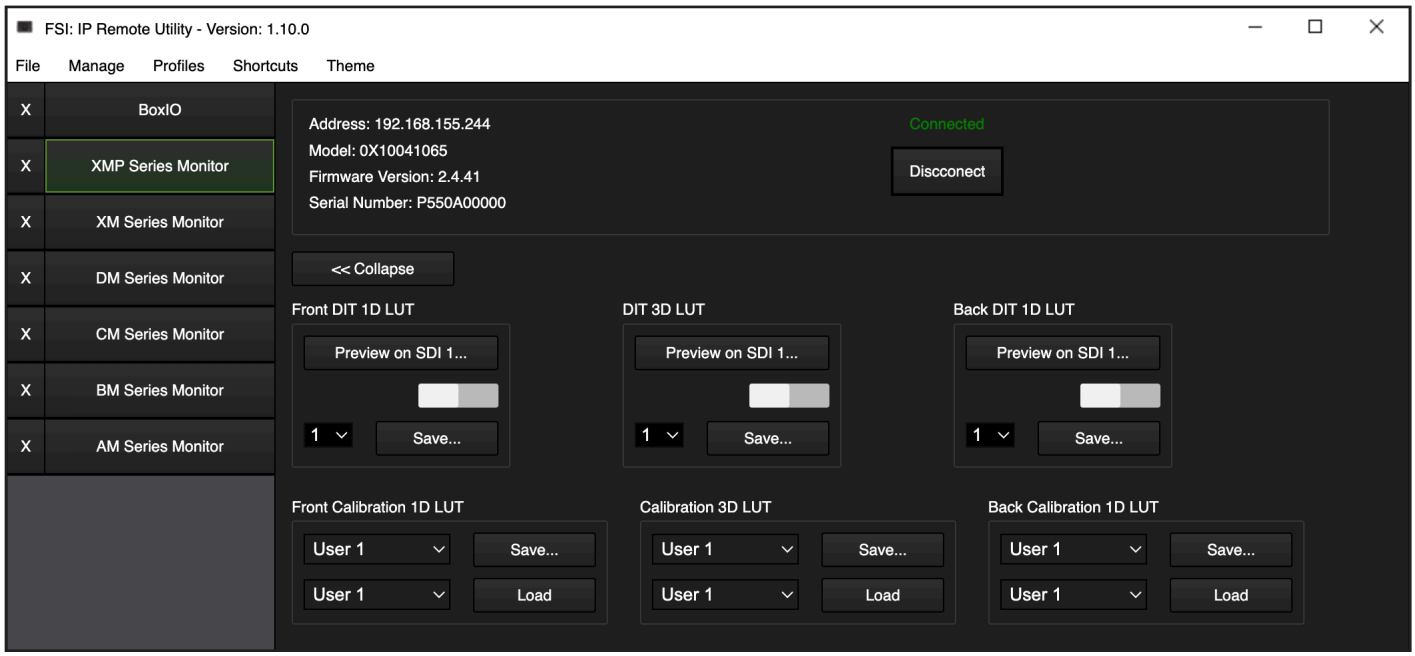
IPRU accepts 17^3 .cubes natively and will automatically convert 33^3 .cubes using high quality tetrahedral interpolation.

The toggle switch can turn on and off the DIT LUT function.

Quad-View Mode with LUT Support

You can save Look/DIT 1D and 3D LUTs to XMP series monitors by selecting a memory slot from the drop down and clicking the Save... button to launch a prompt to choose a ***.dat*** or ***.cube*** lut file to save to the monitor.

The memory slot selected corresponds to a quadrant on the monitor 1, 2, 3, & 4. After saving LUTs to an XMP series monitor, you must reboot the monitor to commit those LUTs to non-volatile memory.



Additional XMP Series Features

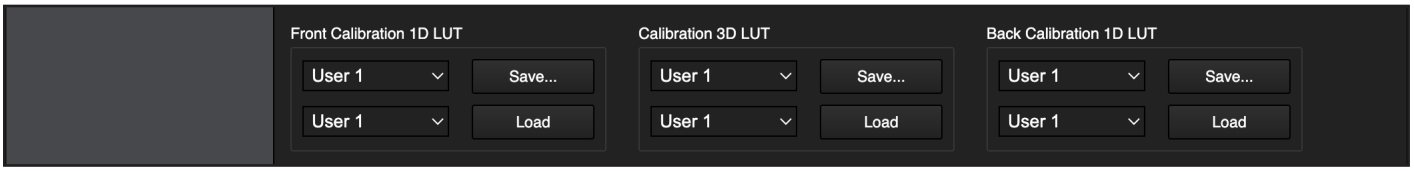
Press the More >> Button at the top of the IPRU page to open LUT controls.

3rd Party Calibration 1D & 3D LUTs

You can save 1D and 3D Calibration LUTs to the monitor using the corresponding drop downs and clicking the Save... button to launch a prompt to choose a ***.dat*** or ***.cube*** lut file.

IPRU has automatic correct scaling for 17^3 and 33^3 .cubes when saving calibration LUTs on XMP series monitors using high quality tetrahedral interpolation.

You can Load calibration LUTs from monitor memory by selecting the memory position you wish to load from the drop down and clicking the Load button.



Custom Markers

Custom markers can be any 1920x1080 resolution .PNG file.

Markers may be temporarily displayed instead of being saved to the monitor's non-volatile memory. This can be particularly useful for quickly testing markers without needing to reboot the monitor. To temporarily display a marker insead of saving it to memory selectthe Display .PNG... button and select your desired marker file. Upon reboot the marker will be cleared from memory.

To save a custom marker to monitor memory, enter the desired marker name in the Assign Marker Name Field. This assigned name, not the PNG file name, is what will populate on the Monitor's Custom Marker Menu. Marker names are limited to 32 characters. After typing in the desired name press the Select .PNG… button and then choose your desired PNG file. A prompt will then appear asking you to reboot the monitor. Once your monitor is rebooted the new marker will be selectable from the Custom Marker menu on the monitor.

Custom markers can be deleted from the monitor's memory from the IPRU. Press the List Saved Markers button to see a list of custom markers you have saved to the display. Press the Delete button next to the name(s) of any marker(s) you wish to delete. You will then need to reboot the monitor for the changes to be reflected on the monitor's Custom Marker menu.