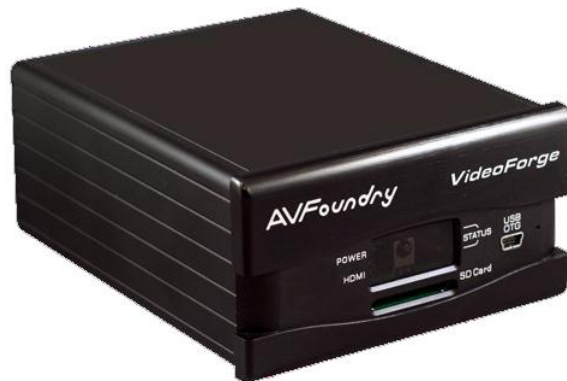


AV Foundry VideoForge Digital Video Generator Quick Start Guide



Thank you for purchasing an AV Foundry VideoForge Digital Video Generator. In your package with the VideoForge, you will find the following accessories:

- HDMI cable
- USB-A to USB-Mini Cable
- Power Supply

The power supply is a “universal” design, which transforms mains supply voltages used throughout the world.

The Device Driver Pack needed to support the VideoForge is available from the SpectraCal Support page, or directly from this link: <http://www.spectracal.com/download.php?id=3>

Download and install the Device Driver Pack, which includes a driver for the VideoForge.

To connect and use your VideoForge:

1. Power on the VideoForge.
2. Connect the VideoForge to a USB port on your PC via the supplied USB cable.
3. When Windows prompts you to install a driver, choose “Install from Specific Location” and browse to the “C:\Program Files (x86)\SpectraCal\Drivers\VideoForge” folder.
4. When the driver is successfully installed, you can verify correct operation of the VideoForge by browsing to its administrative interface with a web browser. The default IP address of the VideoForge is 172.24.24.20.

5. To show patterns on a video display, connect the HDMI port on the VideoForge to an HDMI input on the display.

VideoForge Manual Control

To manually control the VideoForge, including its output signal resolution and test pattern:

1. Connect the VideoForge to a computer with a USB cable.
2. Open a web browser (e.g. Chrome, Internet Explorer, Firefox, etc.).
3. Enter “172.24.24.20” in the address bar and press Enter.
4. Make desired selections in the VideoForge control interface.

VideoForge Custom Test Patterns

To display your own custom test patterns or images with the VideoForge:

1. Prepare custom test pattern or image files, in PNG or JPEG format, at the desired display resolution (e.g. 1920x1080).
2. Copy the custom test pattern and/or image files to an SD memory card formatted as FAT, FAT32, NTFS, or Apple HFS.
3. Insert the SD memory card into the front VideoForge SD card slot.
4. Access the VideoForge control interface, as outlined in the “VideoForge Manual Control” section, above.
5. On the control interface Patterns tab, open the Pattern drop down box and scroll down to the mmc/xxxx listings (mmc = multimedia card). Your custom files will be listed in the format mmc/CustomFileName.
6. Select one of your custom files to display your custom image.

AV Foundry VideoForge Digital Video Generator CalMAN Setup Guide

The AV Foundry VideoForge Digital Video Generator provides HDMI/DVI video signals for testing, calibrating and servicing video displays, including 3D stereoscopic displays. Provides a full range of resolution formats, plus configurable internal test patterns and custom user patterns and images.

An optional Joe Kane Productions JKP 3D stereoscopic test pattern set is also available, with new set of patterns that are very effective in evaluating the performance of 2D and 3D-capable displays.

Recommended CalMAN Workflows:

- All available measurement and calibration workflows

Required VideoForge Firmware:

- Version xxxx or later

VideoForge Control Connection:

- USB cable - USB mini connector to USB A connector

VideoForge Setup Process:

To connect the calibration computer to a VideoForge with a USB cable:

1. Install the VideoForge USB driver (part of the Device Driver Kit).
2. Connect the VideoForge to the CalMAN computer with a USB cable.
3. If you wish to verify proper USB driver installation, check in Control Panel -> Device Manager -> Network Adapters for an RNDIS Gadget.

For a Windows7 64-bit computer:

1. Open Control Panel -> Network and Internet -> Network and Sharing Center and select Change Adapter Settings.
2. Identify the network connection that is labeled VideoForge or RNDIS Gadget.
3. Right click on the VideoForge connection and select Properties.
4. Uncheck the item named Network Activity Hook Server Lightweight Filter Driver.

CalMAN Connection Procedure

To connect CalMAN 5 to the VideoForge for automatic CalMAN control:

1. In CalMAN, under "Find Source," select "AVFoundry – VideoForge."
2. Verify that the IP Address is set to 172.24.24.20.
3. Click Connect on the display connect panel.

CalMAN Source Settings Options

Triplet Support

The VideoForge provides full RGB triplet support to provide test patterns that are compatible with 3D cube LUT calibration.

Window Size

- Window 2%
- Window 5%
- Window 10%
- Window 18% (default)
- Window 25%
- Window 50%
- Full 100%

On the Source Settings page, under Window Size, select your desired window size. (NOTE: For OLED, Plasma, and CRT displays, use the smallest convenient window size.)