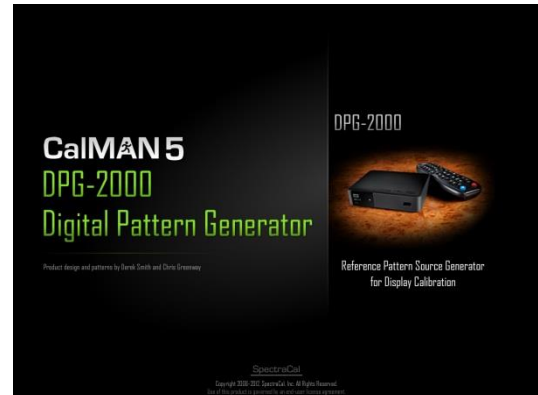




# CalMAN DPG-2000 Digital Pattern Generator Quick Start Guide

1. Identify the parts.

- The smaller box with a USB cable is an **IR Controller**. It is an infrared transceiver that plugs into your computer to allow CalMAN to remotely control the DPG-2000.
- The larger black box is the **DPG-2000** itself.
- The **USB flash drive** and the **power supply** connect to the DPG-2000, as explained below.



2. Insert the supplied USB flash drive into the rear USB port on the DPG-2000.

3. Connect the DPG-2000 power.

Plug the power supply into the DPG-2000 and connect the supply to AC power.

4. Connect the DPG-2000 HDMI output to your display input.

You can use the HDMI cable provided.



## CalMAN DPG-2000 CalMAN Setup Guide

- 1. Install the most recent WD TV Live firmware.**

For use with CalMAN version 5.2.3 or later, the DPG-2000 requires the firmware available on the SpectraCal DPG-2000 forum page.  
<http://www.spectracal.com/forum/viewforum.php?f=97>

Note: If you don't yet have access to the DPG-2000 forum page, email [forums@spectracal.com](mailto:forums@spectracal.com) to request this access privilege to be added to your forum login.
- 2. Install the current CalMAN Device Driver Kit.**

If you have not downloaded and installed version 2.2 of the CalMAN Device Driver Kit (required for IR Controller support), download it now from [Device Driver Kit v2.2](#) (or on the Downloads page at [www.spectracal.com](http://www.spectracal.com)). Run the file to install the Device Driver Kit on your system.
- 3. Install the CalMAN IR Controller Driver.**

Plug the IR Controller into a USB port on your system. Windows 7 should auto-install the device driver. Older versions of Windows will pop up a Found New Hardware Wizard. At the prompt "What do you want the Wizard to do," select the option "Install from a list or specific location." Use the *Browse* button to locate the directory where you installed the Device Driver Kit. The default driver file locations are:  
32-bit PC - C:\Program Files\SpectraCal\Drivers\USB-UIRT.  
64-bit PC - C:\Program Files (x86)\SpectraCal\Drivers\USB-UIRT.

If the drivers do not auto-install, go to *Start/Control Panel*, select *System*, then select *Device Manager* on the left hand side of the *System Properties* window. Find your device in the list. Your device should be listed with a yellow exclamation point on its icon. Right click on the device and select *Update Driver Software*. Select *Search My Computer For Driver Software*, then follow the directions for installing the driver, as listed above.



#### 4. Confirm the DPG-2000 Settings:

In the DPG-2000 Settings menu, confirm the following important settings (especially the highlighted settings, as they severely affect interaction between CalMAN and the DPG-2000).

##### Audio / Video

- Audio/Video Output, Video Output, HDMI, *select resolution appropriate for your current display*, RGB High (Do not select Auto), 8 bit
- Aspect ratio = Widescreen

##### Appearance

- Language = English
- Screensaver Delay = Off/Never

##### Photo Settings

- Slideshow sequence = Normal
- Slideshow Transition = Normal
- Slideshow Interval Time = 5 minutes
- Photo scaling = Display in Fullscreen
- Browser display = List View

##### System

- Media Library = Off
- Get Content Info = Manual Only

#### 5. Select the DPG-2000 as your CalMAN Source.

On the CalMAN *Source Settings* page, click *Find Source* and select “CalMAN DPG-2000 (infrared UIRT)” as your pattern source. Click *Connect*.

#### 6. Calibrate with CalMAN.

When you start CalMAN calibration measurements, CalMAN will prompt you to set the DPG-2000 to *Photos*, on the “01 Patterns” folder. Thereafter, CalMAN will automatically select the correct pattern for the required task. If for any reason CalMAN and the DPG-2000 get out of synchronization, use the *Sync* button (located next to the pattern source indicator on the top of the screen) to re-sync. The software will prompt you to set the DPG-2000 back to *Photos*, on the “01 Patterns” folder.

#### 7. Select the display resolution every time you connect to a new display input.

Every time you connect the DPG-2000 to a new display input, use its remote control to select *Setup*, *Audio/Video Output*, *Video Output*, *HDMI*, *select resolution appropriate for your current display*, *RGB High* (not Auto), *8 bit*. If you omit this step, the patterns that your DPG-2000 displays may not be the proper format or may not employ the appropriate color standards.



## CalMAN DPG-2000 Build-Your-Own Guide

To build your own DPG-2000, rather than purchasing it complete from SpectraCal, you can assemble the following parts.

### 1. Western Digital TV Live Streaming Media Player

The WD TV Live can be obtained from one of the following sources:

Western Digital

<http://www.wdc.com/en/products/products.aspx?id=330>

Amazon

[http://www.amazon.com/Live-Media-Player-Wi-fi-1080p/dp/B005KOZNBW/ref=sr\\_1\\_1?s=electronics&ie=UTF8&qid=1390262728&sr=1-1&keywords=wd+tv+live](http://www.amazon.com/Live-Media-Player-Wi-fi-1080p/dp/B005KOZNBW/ref=sr_1_1?s=electronics&ie=UTF8&qid=1390262728&sr=1-1&keywords=wd+tv+live)

Walmart

<http://www.walmart.com/ip/WD-TV-Live-Media-Player-Play-Your-Media-amp-Stream-Internet-Services-1080p/34045346?adid=2222222227000000000&wl0=&wl1=g&wl2=c&wl3=41833582510&wl4=&wl5=pla&wl6=19880599990&veh=sem>

Fry's

<http://www.frys.com/product/6805936?source=googleps&gclid=CN6SmujyjbwCFY8-MgoduQwAVA>

### 2. USB-UIRT (Universal Infrared Receiver/Transmitter)

USB-UIRT

<http://www.usbuirt.com/>

### 3. VPS-2000 Video Pattern Set USB Drive

SpectraCal

<http://store.spectracal.com/consumer/pattern-generators/vps-2000.html>

To set up the DPG-2000, see the Quick Start Guide, above.

To use the DPG-2000 with CalMAN, see the CalMAN Setup Guide, above.