



## **Phottix Odin TTL Flash Trigger for Canon**

**Firmware Version v1.24**

**Change Log**

**July 15, 2013**

**Note: The firmware V1.24 can be used only on Odin (for Canon).**

**For Odin 1.5 (for Canon) units, please use the firmware v2.03.**

What have been added and improved from v1.23 to v1.24?

1. Improved compatibility with EOS M cameras.
2. **Test Button and Light Meters:** Pressing the Test button on the transmitter will cause the flashes in A, B and C groups to fire simultaneously. Group(s) turned off will not fire.

When the flashes in A, B and C groups are set to Manual (M) mode, pressing the Test button on the transmitter will cause the flashes (which are powered on and on the same channel as the transmitter) to fire an initial low-power pre-flash. The flashes will fire simultaneously at their set manual power levels 2.5s later. This feature allows for light meters to be used correctly.

3. **Second Curtain Sync:** The Second Curtain Sync (SCS) function will work correctly with all cameras (except 1Dx) supporting "radio wireless system" in the camera flash menu. To use SCS the "radio wireless system" in the camera flash menu must be set to "OFF."
4. **1Dx Mode:** A menu has been added to turn 1Dx compatibility on and off. Press and hold the "+" and "HS" buttons to access the 1Dx function menu.

Pressing and holding the "+" and "HS" buttons (with TCU turned on) for approximately 2 seconds will access to the "1d-" function menu. If using a 1Dx, set to "ON" for best compatibility. For other camera models, use the default setting of "OFF".

5. **Odin 1.5 compatibility:** Odin (v1.24) improves compatibility with Odin 1.5 TCUs and receivers using firmware v2.03.

## The Phottix Odin and Overdrive Sync (ods)

What is ODS? Overdrive Sync, a new feature for the Phottix Odin TTL Flash Trigger system. This function allows triggering delay times to be set on an Odin TCU. This can allow an increase in sync speed over standard X-Sync when using studio lights.

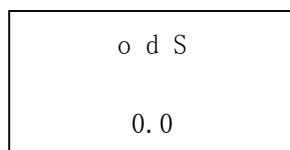
### How does it work?

1. Unlike hot shoe flashes that offer High Speed Sync functions, studio lights are usually limited to the camera X-Sync speed. Using a higher shutter speed results in the studio lights not syncing properly.
2. When Phottix Odin Receivers are attached to studio lights and the Odin TCU is set to High Speed Sync (HSS mode), using the ODS function can improve sync speeds.
3. There are several variables – the camera, the studio light model and its power level / flash duration. With some studio lights there may be no improvements, while with other slight or significant improvements.
4. Flashes with IGBT circuitry (including “speedlight” type flashes) generally need to be set to full power where the flash duration is longest. At lower power levels IGBT flashes cut the flash duration very short.

**Note:** This is a beta function. As there are many variable in how ODS functions experimentation is required by the user to find the “sweet spot” delay time for the camera and studio light being used. Technical support for ODS is not available, but feedback on the function so it can be further refined is appreciated.

### Using ODS Mode:

1. With the Odin TCU turned on, press and hold the “+” and “mode” buttons for approximately 2s to access to the ODS menu (below) on the TCU LCD Screen.
2. 0.0 refers to Delay Time when using High Speed Sync (HSS) Mode. 0.0 (ms) is the default value.
3. Use the + or – minus buttons to adjust the ODS delay time. As mentioned this is an experimental process. Different cameras, studio lights and power levels will have different optimum delay times. Testing your equipment is required for best results.
4. After adjusting the delay time press the “SEL” button to return to the main Odin TCU screen.



**Note:** Only use the ODS function when needed. If not using the function change the ODS delay time back to 0.0 or press and hold the “CLEAR” button for 2 seconds to revert to the default setting.

## Phottix Odin TTL引闪器（佳能版）

固件版本**V1.24**

更改记录

**2013年7月15日**

**注意：**此**V1.24**固件只可用于升级**Odin 1（佳能版）**，如需升级**Odin 1.5（佳能版）**，请使用固件**V2.03**。

从**V1.23**到**V1.24**添加和更改的内容

1.优化与EOS M相机的兼容性；

2. **Test按钮和测光表测光：**按发射器上的Test按钮，A、 B 、C三组闪光灯将会同时闪光（关闭的组不会闪光）；

在A、 B 、C三组闪光灯都为**M**模式时，按一下发射器上的**TEST**按钮，所有开启的与发射器处于同一频道的闪光灯将先以较低的功率预闪一次，**2.5**秒后再按事先设定好的功率值一起闪光。此闪光可用于测光表测光；

3.**后帘同步：**与所有支持在相机闪光灯菜单中设置“无线电传输无线拍摄”的相机使用时，可以实现后帘同步功能（1DX相机除外）。若要使用后帘同步功能，请将相机闪光灯菜单的“无线电传输无线拍摄”设置成“OFF”。

4. **1Dx模式：**增加选项菜单用于启动/关闭与1DX相机的兼容。在发射器开机状态，同时按住"+" 和 "HS"键2秒进入“1d-”选项菜单。

在发射器开机状态，同时按住"+" 和 "HS"键2秒进入“1d-”选项菜单。当使用1DX相机时，请将“1d-”选项设置为**ON**（启动）以达到最佳兼容效果；当使用其它相机时，请保持默认值**OFF**（关闭）不变。

5.**与Odin 1.5 的兼容性：**Odin (V1.24)改善了与使用V2.03版固件的Odin 1.5发射器和接收器的兼容性。

## The Phottix Odin and Overdrive Sync (ods)

ODS是什么？Overdrive Sync是Phottix Odin TTL引闪系统的一个新功能。使用此功能，可在Odin发射器上设置触发延迟时间。与影楼灯配合使用时，此功能可以使同步速在一定程度上比标准的X-同步速度加快一点。

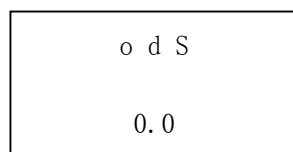
### 如何工作？

1. 不像热靴闪光灯那样有高速同步功能，影楼灯的同步速度通常都受限于相机的X-同步速度。使用更高的快门速度会导致影楼灯出现不同步的现象。
2. Phottix Odin接收器和影楼灯连接，在Odin发射器上设置成高速同步模式（HSS）。此时，使用ODS功能可以改善同步速度。
3. 不同使用情况所得结果也会不同——这与相机型号、影楼灯型号及其功率水平/闪光持续时间有关。对一些影楼灯来说，（使用此功能）可能会没有效果，然而对其他灯来说，会有一些或者很大的改善。
4. 通常，由IGBT电路控制的影楼灯（包括“speedlight”类型的闪光灯）在使用时，需要设置成全功率，才能使闪光持续时间最长。在较低功率时，由IGBT控制的影楼灯的闪光持续时间会非常短。

注意：这只是一个处在测试阶段的功能。ODS具体调整的数值是不一样的，这需要用户通过所使用的相机和影楼灯进行测试，找到最佳的延迟时间数值。ODS功能的技术支持暂时无法提供。但是欢迎大家对此功能提出宝贵的意见和反馈，以便我们更进一步地完善此功能。

### 如何使用ODS模式：

1. 发射器在开机时,同时按"+"键和"MODE"键2秒进入发射器 LCD屏的ODS参数调节界面（如下所示）。
2. 0.0表示在使用高速同步模式时要调节的“延时时间”。默认值为 0.0 （ms）
3. 通过“+”或“-”按钮来调节ODS的延时时间。正如上文所说，这是一个实验的过程。不同的相机、影楼灯和功率水平，所需的最佳延时时间会不同。请测试您的装备来获取最佳效果的延迟时间数值。
- 4 设置完成后，按SEL可返回Odin发射器的主屏幕。



注意： ODS只有在特殊情况下使用，不使用此功能时，请将ODS延时时间设回默认值0.0，或者按住CLEAR键2秒恢复默认值。