



Simple Flash ~ The Possibilities

Pittwater Camera Club

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Simple Flash - The Possibilities

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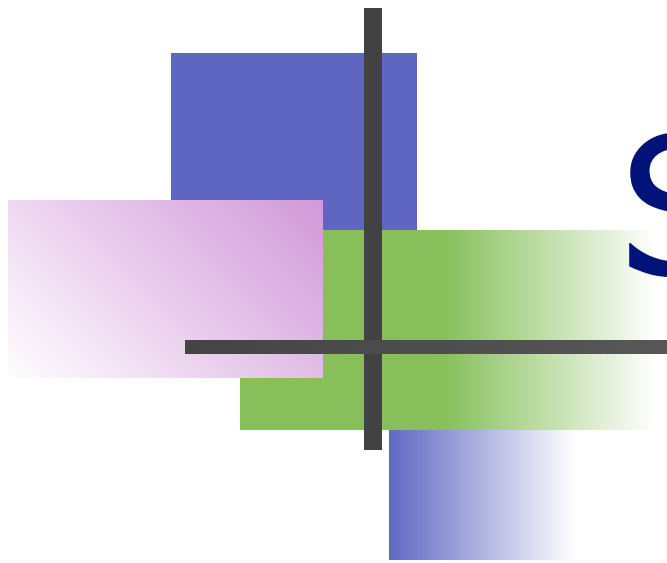
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Simple Flash - Objectives

We will explore :

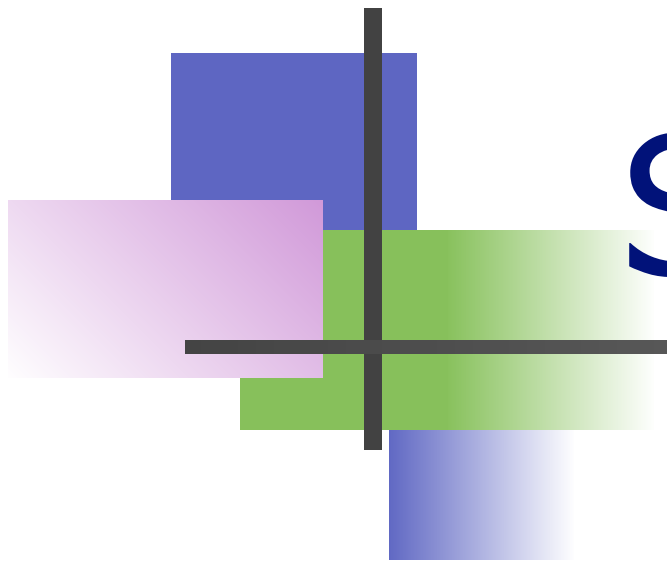
- *What can be achieved with a Single Speedlite Flashgun*
- *On Camera*
- *Off-Camera*



Simple Flash - Flash Modes

We will shoot :

- Fill-Flash
- Direct Flash
- Bounce Flash
- Diffusers
- Slow Sync



Simple Flash - Flash Modes

- We won't use Normal Flash because
 - The Camera decides whether to Use Flash or Not
 - We Want to Make that Decision !!
 - We will use Fill-Flash 95% of the Time
- We'll discuss Red-Eye Reduction
- We'll discuss Fast Flash
- We'll discuss Slow Sync

Your Speedlite or Flashgun



Rotating Flash-Head

Remote Sensor
Must Face Camera
For Off-Camera Flash

The Catch Light Plate - Used When Bouncing




Wide Angle Panel - Place On Light Panel





Flash Modes ~ Auto Flash

- Typical Symbol for Auto Flash - 
- The Camera decides whether to Use Flash or Not
 - Low Light Level
 - Heavy Back-Lighting
- We want to decide when and how to Use Flash
- NOT, the Camera !!
- Don't use Auto Flash



Flash Modes ~ Fill Flash

- Typical Symbol for Fill Flash - ⚡
- Fill-flash will ALWAYS fire the flash provided ..
 - A Speedlight is attached to the camera, AND
 - The Speedlight is turned ON.
- We can control ..
 - The Amount of Flash, 0, +1, +2, -1, -2 EV (Stops)
 - The Direction of Flash ~ Direct, Bounce, etc..

Direct Flash - Very Harsh



Bounce Flash - Much Better but Shadows



Bounce Flash - More Shadows



Simple Softbox Diffuser



Simple Softbox Diffuser



Simple Softbox Diffuser



Some Shadows if
Background is Close

Better but Bigger Softbox Diffuser



Better but Bigger Softbox Diffuser



A Bit More on Bounce - First Direct Flash



Bounce Off the Ceiling



Bounce Off Right Hand Side Wall



Use Hand-Held Reflector as a Side Wall



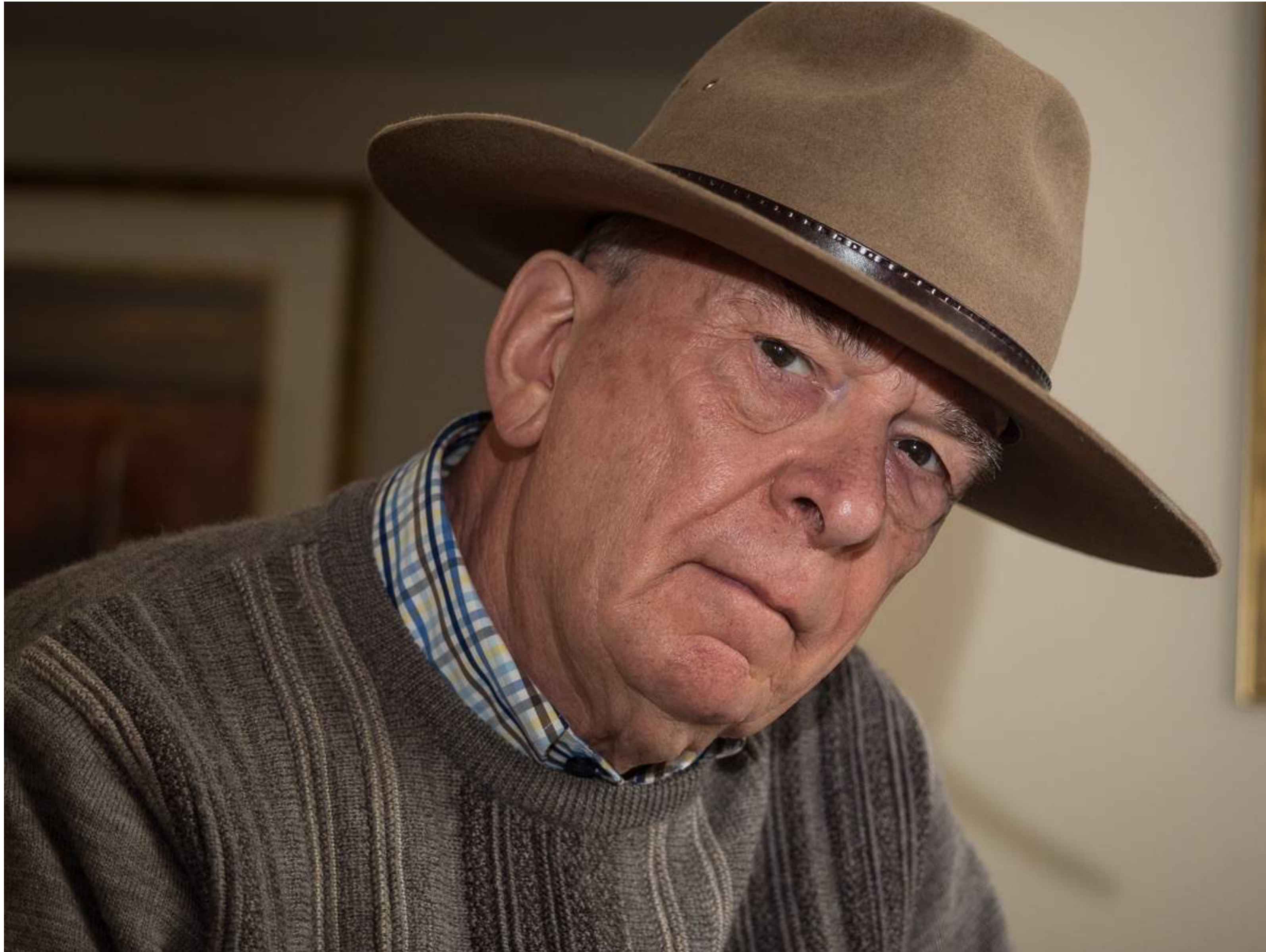
Hats Create an Additional Challenge



Bounce Flash - Terrible with a Hat



Simple Diffuser Saves the Day



Balancing Ambient Light and Flash Light



Add In a Figure



Add a Bit of Flash



.... A Bit More Flash



..... And a Lot of Flash



Another Example



A Night Scene



Add a Figure & Use Flash



Use Slow Sync Flash




Your Subject Must Remain Still





Flash Modes ~ Slow Flash

- Typical Symbol for Slow Flash - 
- Fill-flash selects shutter speed for the flash only
- Slow Flash increases the shutter speed
 - The Background is Correctly Exposed
 - Foreground Objects must be careful not to move.

Stofen - A Simple, Neat Diffuser





Stofen ~ Direct



Stofen ~ 45 Degrees towards Ceiling



Stofen \sim Bounce Off Ceiling



Using Catch Light Panels



A Normal Bounce Shot



Add In the Flashgun Catch Light Panel



Add In an External Bigger Catch Light Panel



Use a Snoot for Dramatic Light



Use a Snoot for Dramatic Light



Flash Sync Speed



- SLR & DSLR Cameras have Focal Plane Shutters
- They Comprise Two Curtains that Open then Close
- At Speeds $< \sim 1/250$ th the Curtains Open Fully
- At Higher Speeds there is banding
- The Flash Exposes Only Part of the Image
- Most Cameras will Limit the Speed for Flash
- Take Care with Manual Flash



Off Camera Flash

- Far Greater Control Over Position of Flash Lighting
- Three Methods
 - Cable
 - Wireless/Optical Control using Camera's Pop-Up Flash
 - Radio Triggers

Off Camera Examples



Off Camera Examples



Off Camera Examples



Off Camera Examples



Off Camera Examples



Off Camera Examples



Off Camera Examples



Off Camera Examples



Off Camera Flash - Cable



Off Camera Flash - Cable + Bracket

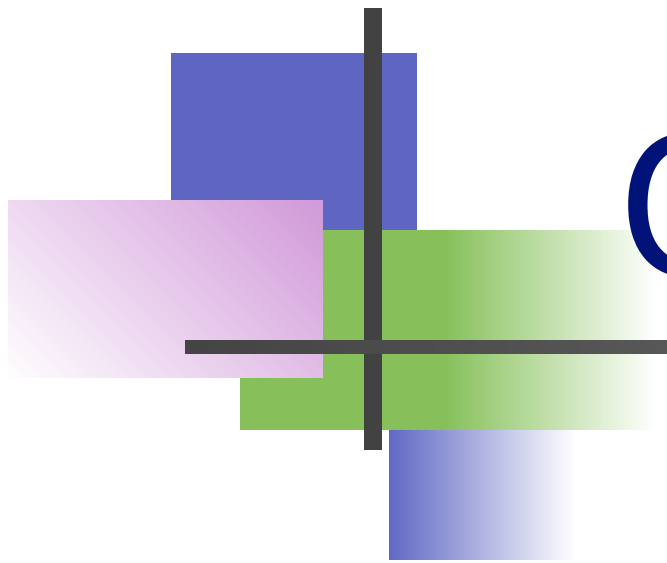


- The Bracket Adds Versatility
- Moves Flash away from Lens Focal Centre
- Reduces Red-Eye



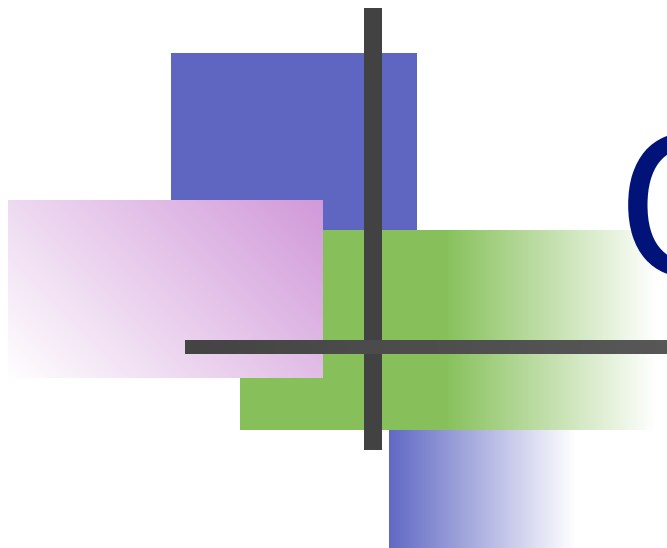
Off Camera Flash - “Wireless”

- On-Camera Flash is the Commander
- One or more Off-Camera Speedlights are Slaves
- TTL Flash Metering
- Canon, Nikon, Olympus, Sony and others have systems
- ONE Significant Issue ...
 - System must have “Line of Sight”



Off Camera Flash - "Radio"

- On-Camera Radio is the Commander
- One or more Off-Camera Speedlights are Slaves
- TTL Flash Metering
- Canon and Nikon have systems
- Other Manufacturers & OEMs introducing Systems
- I think this is the best method



Off Camera Flash - “Radio ~ OEMs”

- Nissin : [*http://www.nissindigital.com/top.html*](http://www.nissindigital.com/top.html)
- Pocket Wizard : [*http://www.pocketwizard.com/*](http://www.pocketwizard.com/)
- Yongnuo : [*http://www.hkyongnuo.com/e-index.php*](http://www.hkyongnuo.com/e-index.php)
- Flash wave : [*https://www.dragonimage.com.au/*](https://www.dragonimage.com.au/)
 - Simple
 - Manual Exposure Only
 - Can be used as remote Camera Trigger



Simple Flash - The Possibilities

- That's It !!
- That's Yer Lot !!
- Thank You for Watching
- Thank You for Listening

- Simple Flash - Have a Go !



Simple Flash - The Possibilities

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