



Simple Flash ~ The Possibilities

Lane Cove Creative Photography

28th May 2020



Simple Flash - The Possibilities

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A PDF copy of this presentation will be sent to the club.

Good Evening

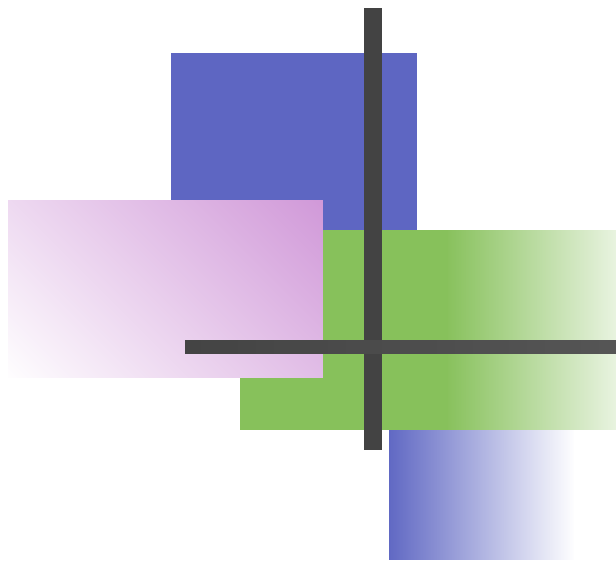
Lane Cove Creatives



Simple Flash - Objectives

We will explore what can be achieved with:

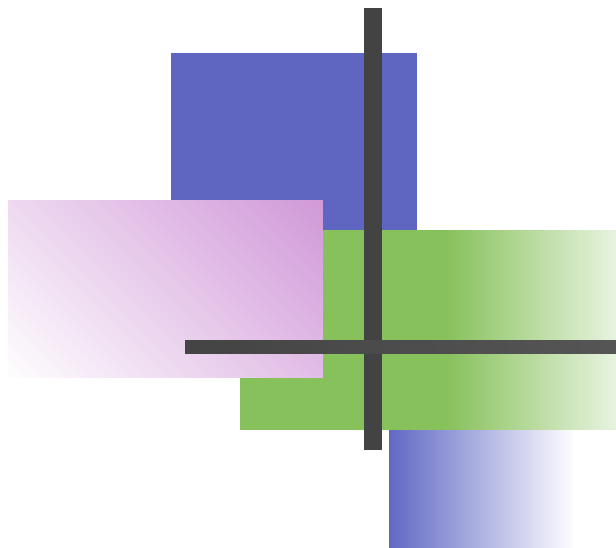
- A Single Speedlite Flashgun
- On Camera
- Off Camera ~ Optical & Radio Commanders
- Simple Accessories such as :
 - Diffusers, Reflectors and a Snoot.



Simple Flash - Flash Modes

We will consider :

- 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



Simple Flash

- Why Use Flash ?
- Where to Use Flash ?
- A Few Examples

After Dark



Fill Flash in Daylight



Fill Flash in Daylight



Still Life by David Ross



Close-Ups of Flowers - Indoors



Close-Ups of Flowers - Outdoors



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





Who Manufactures Speedlites ?

- Canon, Nikon, Sony, Olympus, etc.
 - All make Speedlites for their own cameras.
- 3rd Party - Just as Good - Half the Price
 - **Nissin**
 - **Yongnuo**
 - **Godox**
 - **and others**



My Current Favourite

Godox V1 with Magnetic Accessories

User-friendly Design

- With magnetic accessory port to swiftly install various of accessories e.g. AK-R1 accessory kit.






Flash Modes ~ Auto Flash

- Typical Symbol for Auto Flash - ⚡AUTO
- 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 !!



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..**



Flash Exposure

- Manual
 - Too Complicated for this Presentation
- TTL
 - Much Easier to Use



Flash Exposure ~ TTL

- TTL = Through The Lens
 - Speedlite fires a micro “pre-flash”
 - Camera measures pre-flash then
 - Calculates Flash Power for Correct Exposure
 - Takes Your Shot with Correct Flash Exposure
 - All this from One Press of Your Shutter Button



Flash Exposure ~ TTL Control

- Flash Exposure Compensation
 - -1,-2,-3,+1,+2,+3 EV (Stops) of Flash Power
 - This can be set on your Flash OR
 - On Most Camera Menu Settings
 - Take a Shot at 0EV then check it
 - Add or Subtract Flash Power if Needed



A WARNING !

- This is a Low Budget Production.
- The Choice of Models for Example Images was Limited
- Some Viewers May Find the Following Images :

DISTURBING !!

Direct Flash - Very Harsh



Bounce Flash - Better but Shadows



Bounce Off Right Hand Side Wall



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



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



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 lengthens the shutter speed
 - **The Background is Correctly Exposed**
 - **Foreground Objects must be careful not to move.**

Stofen - A Simple, Neat Diffuser



Stofen ~ Direct



Stofen \sim 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





Reflectors and Snoots

- Rogue FlashBender recommended by John Chapman
 - <https://www.rogueflash.com/collections/flashbender-v3>
- Recommended Reflectors, Snoots, etc.
 - <https://honlphoto.com/collections/a-la-carte-light-modifiers>

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



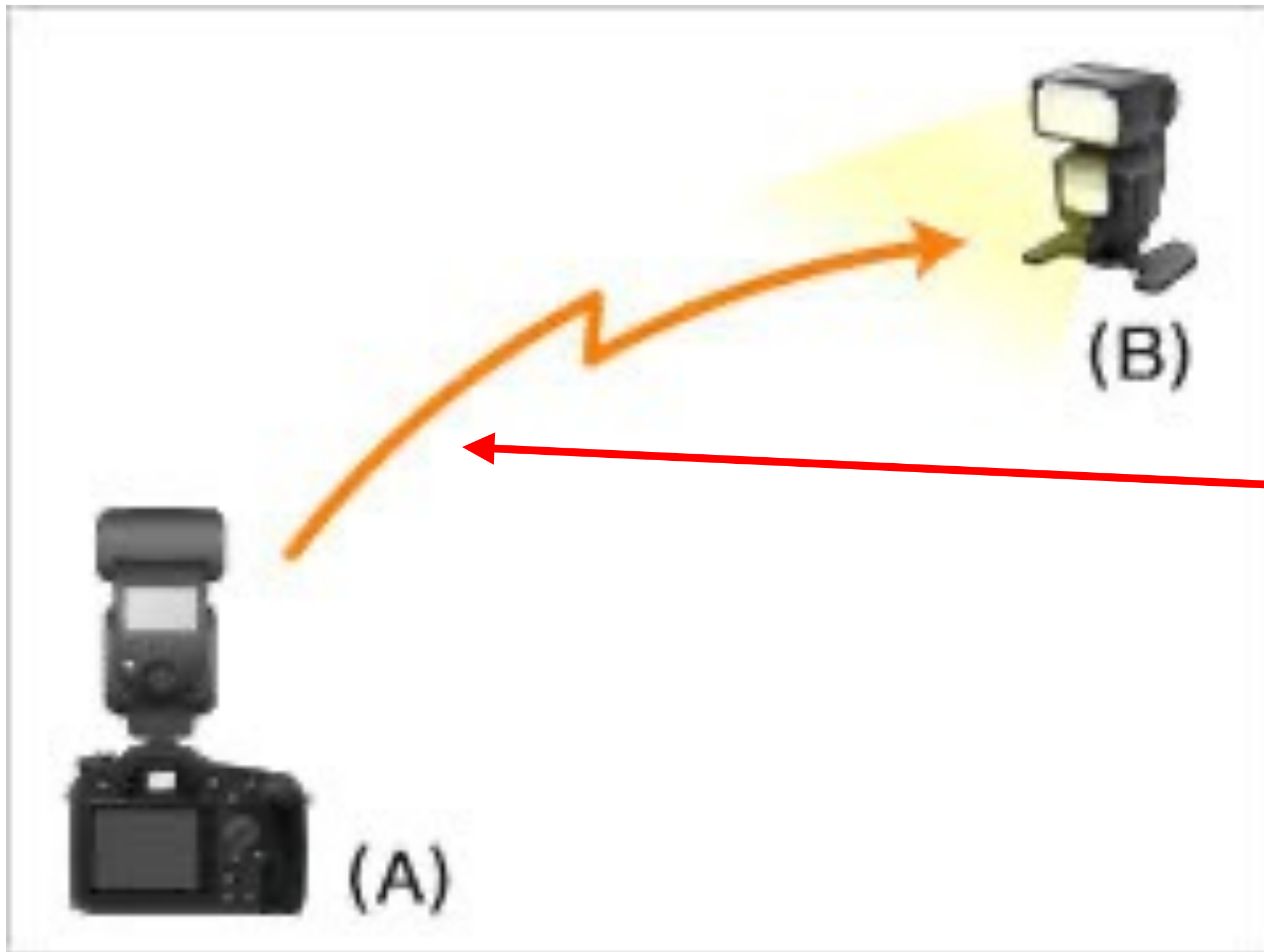
- The Bracket Adds Versatility
- Moves Flash away from Lens Focal Centre
- Reduces Red-Eye



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 Very Significant Issue Line of Sight
 - System must have “Line of Sight

Off Camera Flash - "Wireless" = "Optical"



Requires Direct
Line of Sight between
Camera and Remote Flash

Off Camera Flash - "Wireless" = "Radio"

TTL Wireless Flash Trigger

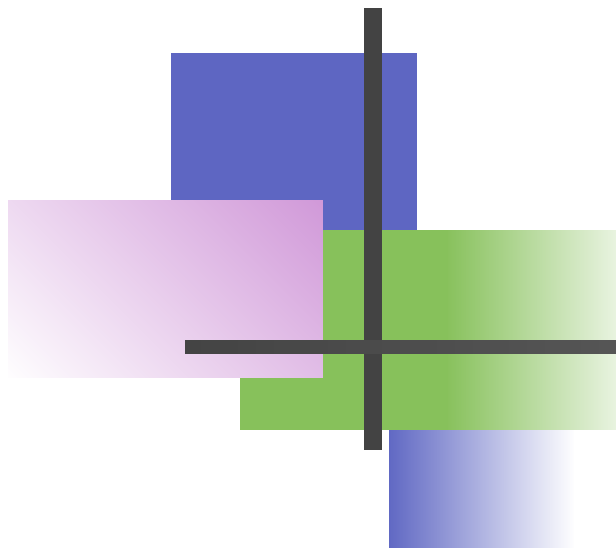
X Pro



XPro TTL Wireless Flash Trigger can control the flashes with built-in Godox wireless X system e.g. camera flashes, outdoor flashes and studio flashes. Featuring multi-channel triggering and stable signal transmission, this flash trigger applies to hotshoe-mounted Olympus/Panasonic series cameras.

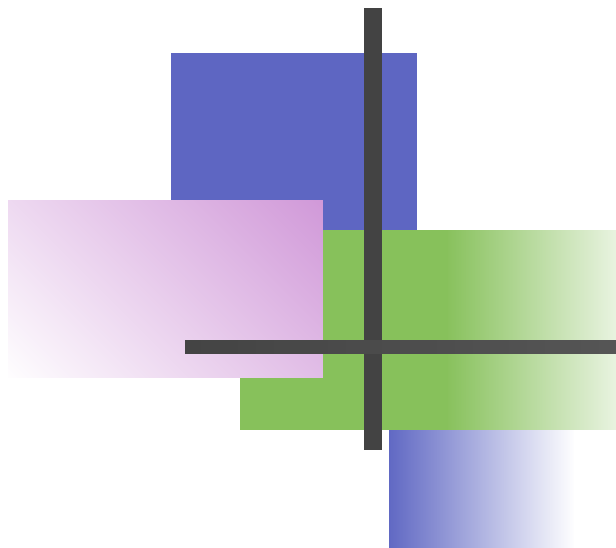


Reliable operation up to 100 meters Camera to Flash



Off Camera Flash - "Radio"

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



Off Camera Flash - "Radio ~ OEMs"

- Nissin : <http://www.nissindigital.com/top.html>
- Godox : <http://www.godox.com/EN/>
- Yongnuo : <http://www.hkyongnuo.com/e-index.php>



Simple Flash - Some Online Resources

- Niel van Niekerk - <https://neilvn.com/tangents/>
 - *Several Books + Free Online Tutorials*
- The Strobist - <https://strobist.blogspot.com>
- Joe McNally - <https://blog.joemcnally.com>
 - Joe's Great Book - *"The Hot Shoe Diaries"*



And Finally - Have I Got a Deal for You !!

- Local Dealer for Godox - HyPop in Alexandria
 - <https://www.hypop.com.au>
 - Very Knowledgeable on Godox
- 5% Discount to Lane Cove Creative
- Quote 'LANECOVE5'
 - Valid until June 30th



Simple Flash - The Possibilities

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

- Simple Flash - Have a Go !



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