



At the heart of the image™

Nikon CREATIVE LIGHTING SYSTEM



Control the light.
Expand the possibilities.



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The Nikon Creative Lighting System

Flexible, easy flash control for lighting indoors or outdoors

When you're ready to differentiate your photos, Nikon Speedlights capture your imagination with limitless light sculpting potential and workhorse performance. Make subjects stand out, enhance natural and available light, and add artistry and drama to any scene. The world of light is yours to explore and control with Nikon's Creative Lighting System (CLS), engineered and optimized specifically for your Nikon camera.

Nikon's CLS offers a comprehensive selection of portable lighting tools to match virtually any need – from a simple on-camera bounce flash to more advanced off-camera wireless units and even a close-up speed-light system that is great for macro photography. With the world's most intelligent and versatile lighting units, this comprehensive system offers unprecedented levels of accuracy, automation, integration and control that only Nikon can deliver.

Versatile, Powerful Flash for the Enthusiast and the Pro

The Nikon Creative Lighting System leverages cutting-edge technology in electronics, data communications, and processing algorithms providing versatile and innovative Speedlight functionality. Whether in simple on-camera use at a family gathering or in multiple wireless off-camera arrays on location, the system's precision-engineered units operate in perfect concert with Nikon's CLS-compatible DSLRs.

An impressive range of powerful capabilities, including the precise automatic exposure of i-TTL (intelligent-through-the-lens) metering, provide accurate, controllable light when and where it's needed. With state-of-the-art technology, line-of-sight wireless control, Advanced Wireless Lighting using radio control – the Nikon Creative Lighting System offers photographers extraordinary new tools to accomplish a single objective: better quality flash photography.



SB-5000

Nikon's flagship Speedlight that fully supports the next-generation Creative Lighting System



Introducing Nikon's flagship Speedlight, a flash designed to empower the most seasoned professionals and passionate enthusiasts. The SB-5000 AF Speedlight takes Nikon's acclaimed Creative Lighting System with Advanced Wireless Lighting (AWL) to the next level with both traditional optical wireless control and powerful new radio control. Place up to six groups of remote flashes out of view, behind obstacles—even in other rooms—up to 98 feet away. Designed for fast shooting at weddings, commercial shoots or on the red carpet, the SB-5000 AF Speedlight also introduces the world's first hot-shoe mount flash cooling system* for more than 100 consecutive shots at full output, all in a smaller design with streamlined operation. Whether building a new lighting system or integrating with your existing system, the SB-5000 AF Speedlight opens exciting new lighting possibilities. *As of January 5, 2016.



© Joe McNally

SB-5000

- Radio-controlled Advanced Wireless Lighting system realizes wireless multiple flash photography even under bright sunlight or when obstacles block optical control, for improved lighting flexibility (with D5, D850, D500 and D7500)
- Cooling system that suppresses heat generation within the flash head is incorporated, providing a greatly increased number of consecutive shots
- Unified flash control function enables setting changes and flash operation using camera menus or a personal computer with the optional Camera Control Pro 2 software (D5, D850, D500 and D7500)
- Frequently used functions can be accessed quickly with a press of the rotary multi selector or the [i] button
- Three illumination patterns (standard/even/center-weighted), with increased light distribution accuracy, are available to match every shooting environment
- Automatically detects Nikon FX and Nikon DX formats and selects suitable light distribution angles
- Hard type color correction filters (Tungsten/Fluorescent) that are superior in durability and heat resistance (supplied)
- Guide number of 113 ft. at 35mm zoom head position 180 ft. at 200mm zoom head position (FX format, standard illumination pattern) at ISO 100, 23°C
- Power zoom function covers wide 24-200mm (in FX format) zoom range
- AF-assist illumination, compatible with multi-point AF system, covers wide 24-135mm focal length range
- Minimum recycling time: approx. 1.8 seconds with Ni-MH batteries
- Compatible with the Nikon SD-9 High-Performance Battery Pack

World's first hot-shoe mount flash cooling system†

For studio, wedding, event and action photographers, continuous shooting is the name of the game. The SB-5000 AF Speedlight can handle more than 100 consecutive firings at full output without overheating, thanks to an innovative built-in cooling system and a brilliant heat-shedding design. For TTL shooters, this means a new level of lighting control while capturing decisive moments. Great shots don't wait for a flash to be ready, and neither should you.

† As of January 5, 2016

Smaller and easier to operate

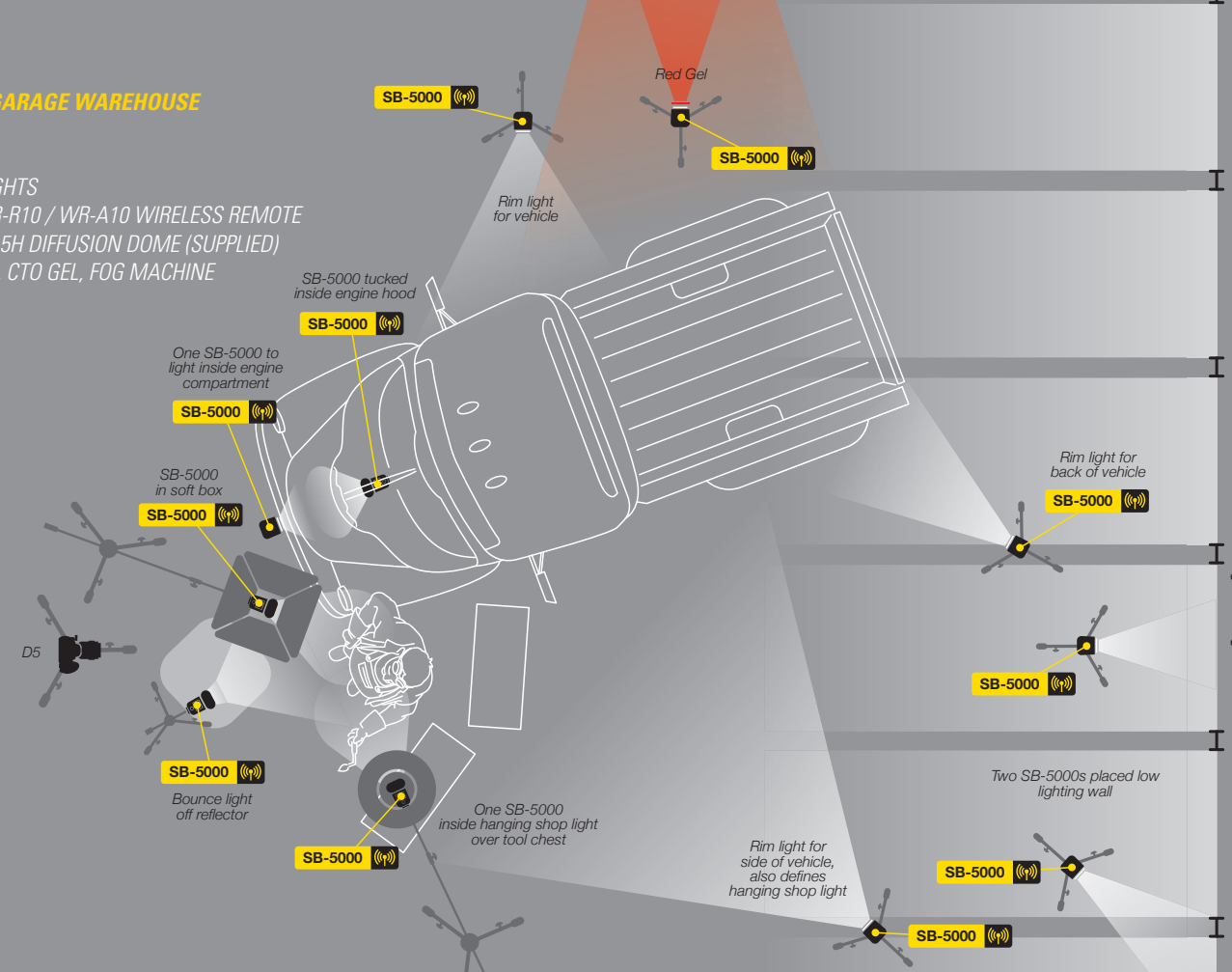
Designed for photographers who rely on portable lighting, the SB-5000 AF Speedlight is small and easy to use. It has a small footprint and provides streamlined access to frequently used functions such as Flash Mode, Zoom Head Position and Flash Compensation Value. Like a DSLR camera, the SB-5000 AF Speedlight has an "Info" button for quick access to your favorite settings. For more fluid operation when using radio control, you can adjust settings right from a compatible camera's*** menu.

***Compatible with the D5, D850, D500 and D7500

LIGHTING DIAGRAM: GARAGE WAREHOUSE

SPEEDLIGHT: SB-5000
CAMERA: D5
QUANTITY: 11 SPEEDLIGHTS
COMMUNICATION: WR-R10 / WR-A10 WIRELESS REMOTE
LIGHT MODIFIER: SW-15H DIFFUSION DOME (SUPPLIED)
UMBRELLA, SOFT BOXES, CTO GEL, FOG MACHINE

- GROUP A**
2X SB-5000 1 SOFT BOX
- GROUP B**
1X SB-5000
- GROUP C**
2X SB-5000
- GROUP D**
3X SB-5000
- GROUP E**
1X SB-5000 CTO GEL
- GROUP F**
2X SB-5000



Radio controlled communication

The SB-5000 AF Speedlight introduces powerful radio control Advanced Wireless Lighting (AWL) communication to Nikon's innovative Creative Lighting System for exciting lighting possibilities. When used with a compatible Nikon DSLR** with the WR-R10 (Wireless Remote Controller transceiver) when attached to the D5, D850 and D500 using the WR-A10 (Wireless Remote Adapter) or the D7500*** DSLR cameras (requires firmware version 3.0 or later), you can control up to 6 groups (A/B/C/D/E/F) of SB-5000 AF Speedlight behind obstacles, around corners, in bright sunlight—even in different rooms—up to 98 feet away. Of course, the SB-5000 AF Speedlight also integrates seamlessly with Nikon's optical wireless Speedlights and DSLRs.

**Compatible with the D5, D850 and D500

***D7500 uses 3 Groups of radio controlled Speedlights

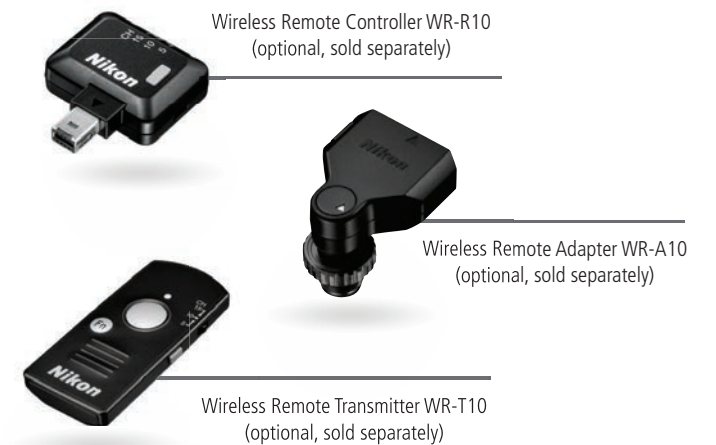
WR-R10/WR-A10/WR-T10

WR-R10/WR-T10 Wireless Remote Controllers Remote Triggering

WR-R10/WR-T10 Wireless Remote Controllers expand the flexibility of remote flash photography. Unlike remote controls using infrared light, it is possible to release the shutter even if there are obstacles in the way, such as trees and walls. The communication distance for a combination of the WR-R10 with WR-T10 is approx. 65.6 ft *1 and WR-R10 with WR-A10 is approx. 164 ft *1. You can control a single or multiple cameras with the WR-R10 attached using the WR-T10 as a transmitter*2.

Remote Flash

WR-A10 Wireless Remote Adapter is required for attaching WR-R10 to a DSLR camera with a ten-pin remote terminal. Also, WR-R10 can be used as a commander *4 of Radio-Control Advanced Wireless Lighting when used with D5, D850, D500, D7500 and SB-5000.



Compatible with D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3300, D3200, COOLPIX A

*1 Approximate range at height of about 1.2m; varies with weather conditions and presence or absence of obstacles.

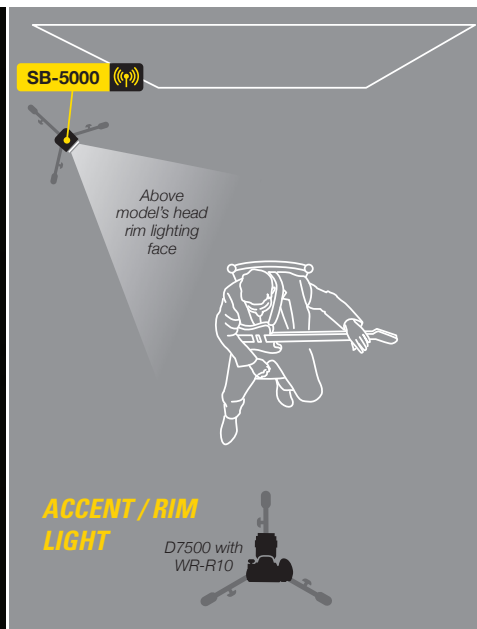
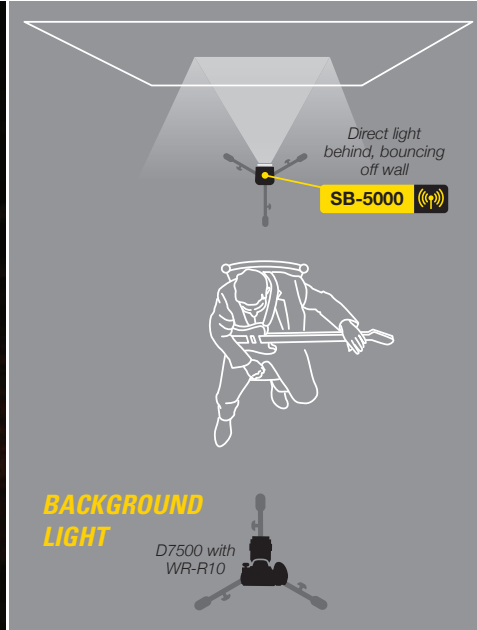
*2 WR-T10 and WR-R10(s) have to be set to the same channel and paired in advance to achieve simultaneous release.

*3 Movie recording is possible with the D5, D4 series, D850, D810/D810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3300, D3200 and COOLPIX A.

*4 Firmware update to the latest version is necessary.

Wall with windows to utilize existing natural light

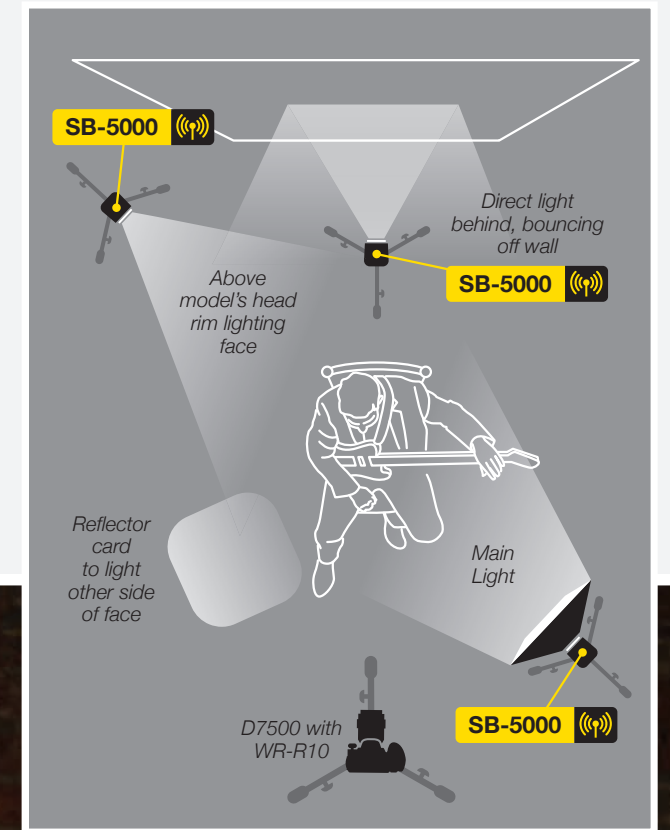
SPEEDLIGHT: SB-5000 (Radio control wireless using the SB-5000 as a remote Speedlight)
CAMERA : D7500 (In commander mode)
COMMUNICATION: WR-R10 WIRELESS REMOTE



FINAL IMAGE WITH DIRECT LIGHT ADDED TO ALL OTHERS

SPEEDLIGHT: SB-5000 (Radio Control Wireless using all three SB-5000s)
CAMERA : D7500 (In commander mode)
COMMUNICATION: WR-R10 WIRELESS REMOTE

- FOREGROUND LIGHT
- BACKGROUND LIGHT
- ACCENT / RIM LIGHT





SB-700

High-performance versatile Speedlight brings simplicity to on-camera, remote and multiple flash photography



The i-TTL-optimized SB-700 AF Speedlight offers the perfect balance of exposure, performance and portability for any photographer on the go. Its flexible flash head provides creative lighting freedom for nearly any subject. Achieve brilliant results and seamless lighting system integration with hot-shoe operation or wirelessly as a master, commander or remote light source.



© Todd Owyang



SB-700

- Functions as a master or remote flash unit in Advanced Wireless Lighting
- Controls an unlimited number of Speedlights for up to two groups
- Offers four independent channels of wireless control up to 32.8 ft for competitive shooting environments
- Quick wireless control mode allows control of flash output for two remote flash unit groups
- LCD and layout of controls designed for easy and intuitive operation
- Power zoom covers wide 24-120mm zoom range (Manual also available)
- Three illumination patterns (standard/even/center-weighted) are available
- Automatically detects Nikon FX and DX formats for suitable light distribution
- AF-assist illumination, compatible with multi-point AF system, covers wide 24-135mm focal length range

Nikon's precision i-TTL flash control

Optimized for use with Nikon's Creative Lighting System (CLS), the SB-700 AF Speedlight is equipped with Nikon's precision i-TTL (Intelligent Through-The-Lens) flash control to deliver precise flash exposures and seamless fill-flash performance—even in challenging lighting situations. Immediately before the main flash goes off, the SB-700 AF Speedlight fires a series of monitor pre-flashes, which convey information about the scene's lighting to the camera. i-TTL then automatically balances the output of the Speedlight and the scene's ambient light.

Wireless commander mode

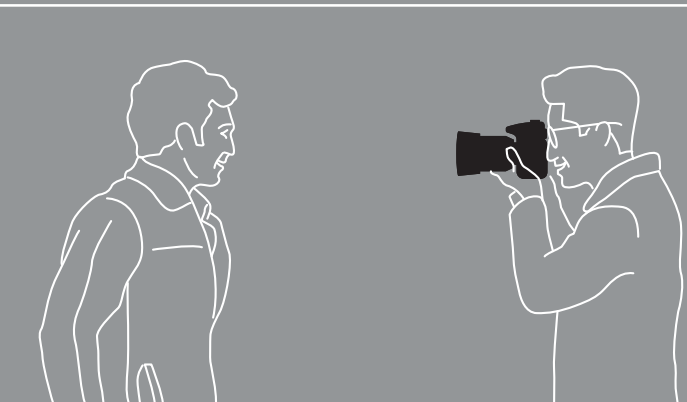
The SB-700 offers wireless Commander Mode to allow you complete control over compatible Creative Lighting System (CLS) products using line-of-sight wireless technology. The SB-700 AF Speedlight controls up to 2 remote Speedlight groups and an unlimited number of compatible Speedlights. When used as a remote Speedlight, up to 3 groups can be selected. Four wireless channel options help manage wireless conflicts in multi-photographer environments.

Compatible with D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3400, D3300, D3200, COOLPIX A

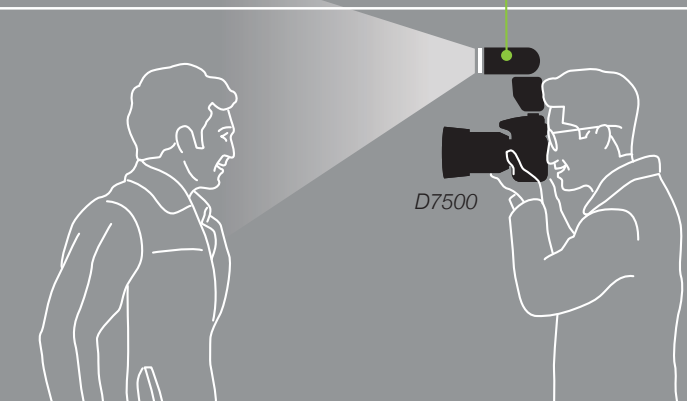
SPEEDLIGHT: SB-700
CAMERA: D7500
COMMUNICATION: CAMERA HOT-SHOE



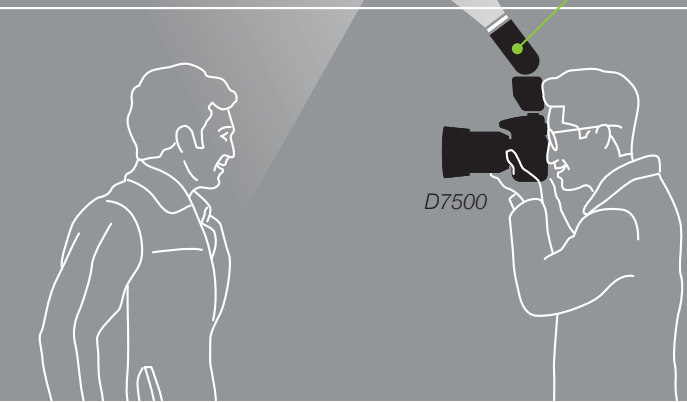
NO FLASH



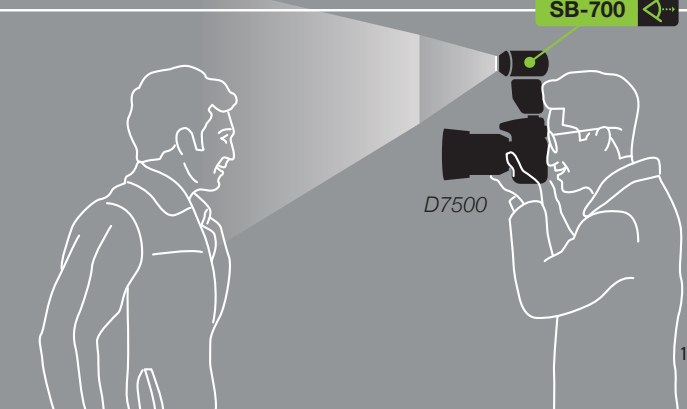
DIRECT FLASH



BOUNCE FLASH (OFF CEILING)



BOUNCE FLASH (OFF WALL)

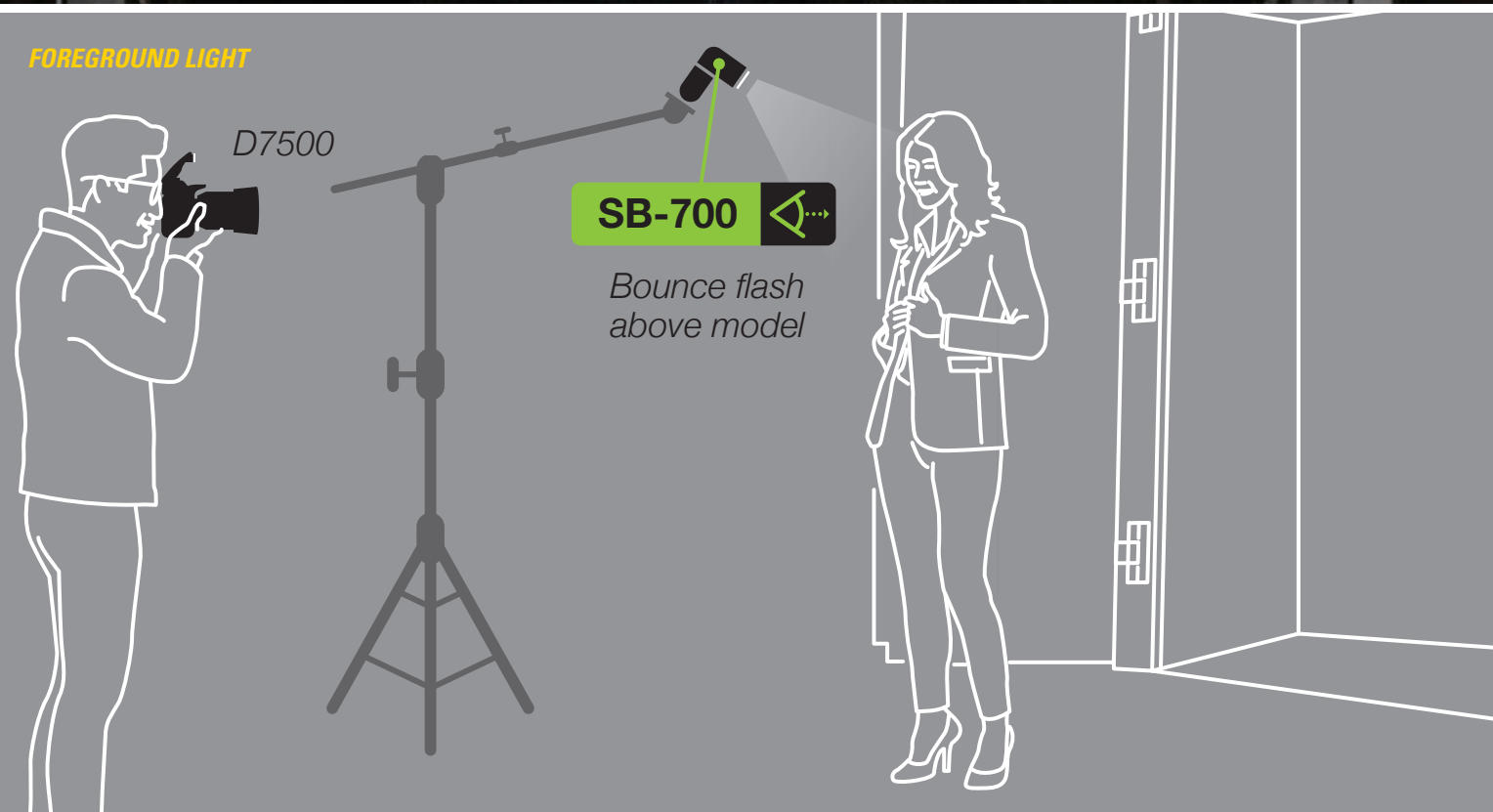


SPEEDLIGHT: SB-700 as a remote Speedlight
CAMERA : D7500 (In commander mode)
COMMUNICATION: LINE OF SIGHT



© Todd Owyong

FOREGROUND LIGHT

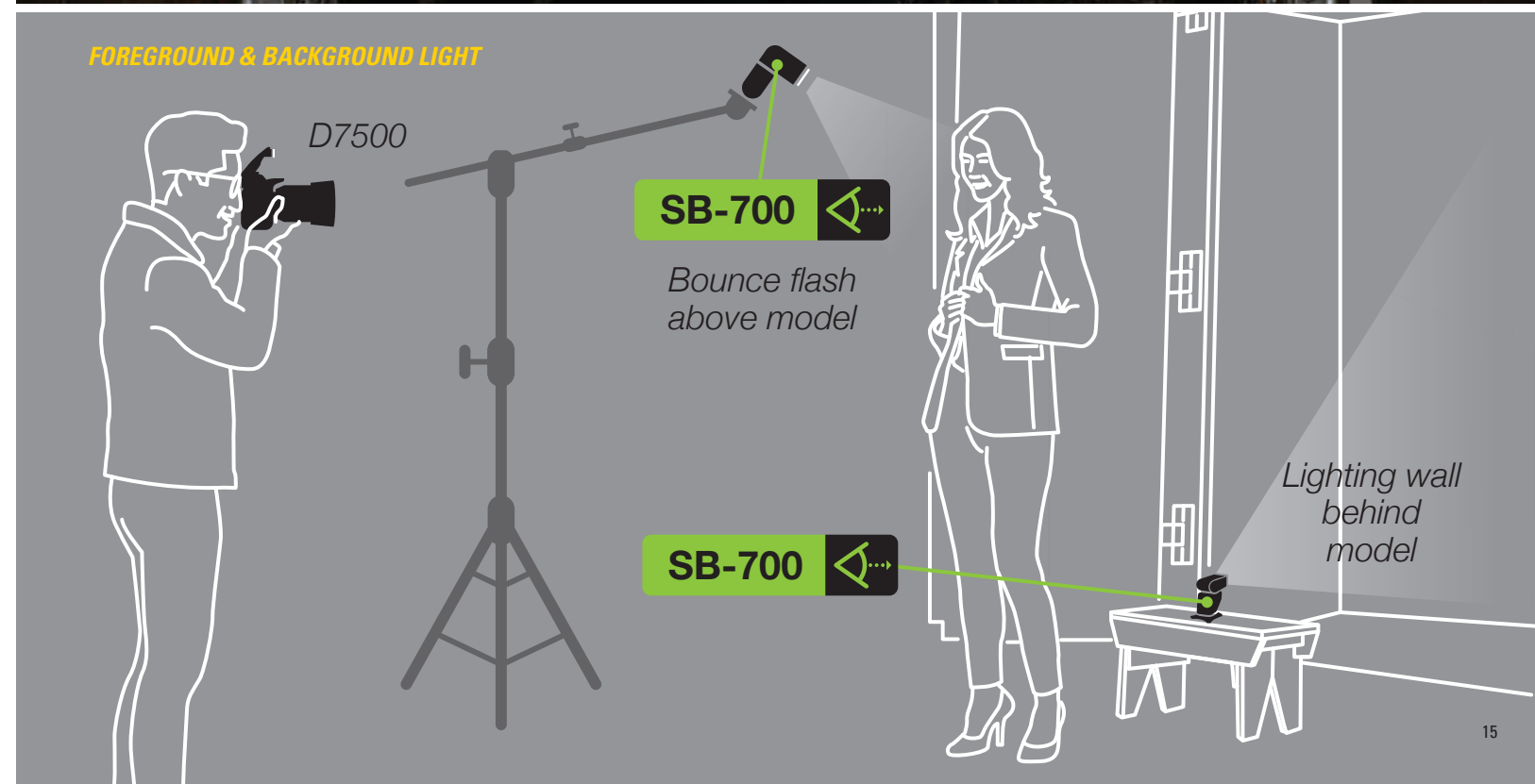


SPEEDLIGHT: Two SB-700 Speedlights (foreground and background) as remote Speedlights
CAMERA : D7500 (In commander mode)
COMMUNICATION: LINE OF SIGHT



© Todd Owyong

FOREGROUND & BACKGROUND LIGHT





Speedlights were used to light this image, 18 SB-5000 units, of which were controlled by radio, which is the max for radio control. The others were a mix of SB-5000 and SB-910 units triggered off of the radio units, set as line of site remote flash units.



© Mattia Bonavida

SB-500

Versatile Speedlight with high mobility and flexibility



As you master your camera, you begin to look at lighting in an entirely new way. No longer is proper exposure your only goal—now you can use shadows and brightness to add a sense of depth, an artistic characteristic to your photos and HD videos. A first for Nikon Speedlights, the SB-500 AF Speedlight is a compact, lightweight i-TTL Speedlight and LED video light that gives you total control of the light around you. Whether you're looking for extra illumination during HD video recording, a wireless off-camera flash to use along with your camera's built-in commander mode or just an advanced and versatile—yet simple to use—Nikon Speedlight, the SB-500 AF Speedlight is a bright idea.

- Compatible with Advanced Wireless Lighting
- Flash head tilts up to 90° and rotates horizontally 180° to the left and right
- Guide number of 78.7 ft. at ISO 100
- High-performance LED light (approx. 100 lux) is incorporated
 - Particularly convenient for movie recording and close-up still shooting
 - Output level selectable in three steps (Low, Mid, High)
 - Illumination with surface light source utilizing a diffuser for soft lighting

- With the color temperature of 5400°K, natural auxiliary light is ensured
- Color information communication function automatically sets the optimal white balance when attached to the D810 or D750
- Superior color rendering performance for faithful reproduction of subject's color
- Compatible with readily available R6/AA-size batteries

Compatible with D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3400, D3300, D3200, COOLPIX A



SB-300

Compact and lightweight Speedlight with bounce flash capability



The right lighting can transform an everyday shot into an extraordinary memory. Even if your camera has a pop-up flash, an external Speedlight provides capabilities and control that every shooter can appreciate—so much more than simply illuminating a dimly lit scene. The compact, lightweight SB-300 AF Speedlight makes it easier than ever to harness the power of a Nikon Speedlight. With its simple operation, excellent performance and approachable price tag, the SB-300 AF Speedlight belongs in the camera bag of every DSLR owner. Take control of the lighting around you.

- Compact and lightweight design for great portability
- Easy operation even for novices
- Flash head can be tilted up to 120° upward for beautiful indoor portraits
- Compatible with readily available AAA-size batteries

Compatible with:

D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3400, D3300, D3200, COOLPIX A

R1C1/R1

Close-up Speedlight Kit

The ultimate Speedlight system for creative, wireless close-up photography

R1C1: Close-up Speedlight Commander Kit (SU-800, two SB-R200s and all the accessories)

R1: Close-up Speedlight Remote Kit (Two SB-R200s and all the accessories)

- Up to three remote groups and four channels using SU-800 as a commander and SB-R200s as remote units can be arranged to enable creative lighting from the left, right, above or below your subject
- Settings are easily made and confirmed on the SU-800's LCD panel from the camera's position
- SB-R200 units can be tilted up to 60 degrees to accommodate lenses* with short working distances

* There are limitations to usable lenses.



© Lindsay Silverman

R1 Wireless Close-Up Speedlight System

Portable and flexible close-up lighting control

Nikon's R1 Wireless Close-Up Speedlight System enables superb close-up lighting control with exceptional flexibility. It's innovative options such as the ability to incorporate up to three remote groups, four independent channels for competitive wireless environments, 60-degree tilt control and flash compensation allow you to produce exceptionally-lit close-up photography without worry.

Producing desired close-up lighting effects is straightforward and uncomplicated with the flexible control of the Nikon R1 system. The system works as a unit with Nikon i-TTL DSLRs that have built-in Speedlights with Commander mode. It comes supplied with two SB-R200 Speedlights, but the SX-1 master attachment ring accommodates up to eight SB-R200's (off-camera) and up to four (on camera).

Experience complete lighting freedom with the R1 Wireless Close-Up Speedlight System. Three remote groups (A, B, and C) are available on the SB-R200. SB-R200 Wireless Remote Speedlights can be tilted up to 60 degrees to accommodate lenses with short working distances. SB-5000, SB-910, SB-900, SB-800, SB-700, SB-600 or SB-500 Speedlights can be combined and controlled for additional creative lighting effects.



R1C1 Wireless Close-Up Speedlight System

Complete close-up lighting control

The R1C1 Wireless Close-Up Speedlight System is an exceptional tool for those wishing to dramatically improve the quality of their close-range photography. The system enables superb close-up lighting control with exceptional flexibility and innovative options when used with the Nikon Creative Lighting System or compatible DSLRs without a built-in flash.

Nikon's premiere close-up flash system

Nikon's R1C1 Wireless Close-Up Speedlight System lets you get the most out of close-up, macro and general flash photography by providing flexible, even light to your subjects with the convenience of wireless control. The system includes two SB-R200 Speedlights and the SU-800 Wireless Speedlight Commander to provide additional functionality with SB-5000, SB-910, SB-900, SB-800, SB700, SB-600 or SB-500 Speedlights.





©Paul Van Allen

SB-R200

Wireless Remote Speedlight

Creative, flexible lighting

The compact and lightweight SB-R200 Wireless Remote Speedlight unit is perfect for close-up and general photography. It supports the Nikon Creative Lighting System (CLS) and compatible CLS cameras. The SB-R200's easy-to-set analog controls offer quick setting changes for the photographer on the move.



Accurate exposure for close-up shooting

Close-up, portrait and macro photographers will love the SB-R200's ability to project the correct amount of light on their subjects without leaving images looking washed-out or overexposed. Thanks to Nikon's i-TTL flash control along with its built-in target light and AF Illuminator, the SB-R200 allows for proper positioning of the Speedlight in relation to the subject, as well as autofocus operation in low-light situations, to always ensure brilliantly lit images.

Also available as a separate unit

Two SB-R200 units are included with both the R1C1 and the R1. Each unit features a guide number of 33 ft. at ISO 100 to 46 ft. at ISO 200. When attached to a lens via the SX-1, the flash head can be tilted up to 60 degrees toward the optical axis of the lens or up to 45 degrees away. Compatible with D5, D4 series, Df, D850, D810/D810A, D750, D610/D600, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3400, D3300, D3200, COOLPIX A



Seamless lighting system integration

The SB-R200 makes an excellent light source, both on its own through hot-shoe connectivity, or as part of a complete lighting system. It can be set to one of three Speedlight groups and integrates perfectly into multiple flash situations including the SB-5000, SB-910, SB-900, SB-800, SB-700, SB-600, or SB-500 Speedlight units. The SB-R200 also offers four independent channels for shooting in competitive environments.

SU-800

Wireless Speedlight Commander

Precision lighting control

The extremely compact and portable SU-800 Wireless Speedlight Commander offers highly flexible control over the SB-5000, SB-910, SB-900, SB-800, SB-700, SB-600, SB-500 or SB-R200 Speedlight units. It functions as a wireless commander for compatible Nikon DSLRs without a built-in Commander mode and meets the demands of all of your remote lighting needs.

Complete lighting control center

The SU-800 Wireless Speedlight Commander provides wireless control of up to 66 feet for an unlimited number of Speedlights for up to three groups. The lighting system you design is only limited by your creativity.



Also available as a separate unit

Placed atop your Nikon DSLR's hot-shoe, the SU-800 acts as a commander for as many Speedlights as you desire. Compatible with D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3400, D3300, D3200, COOLPIX A



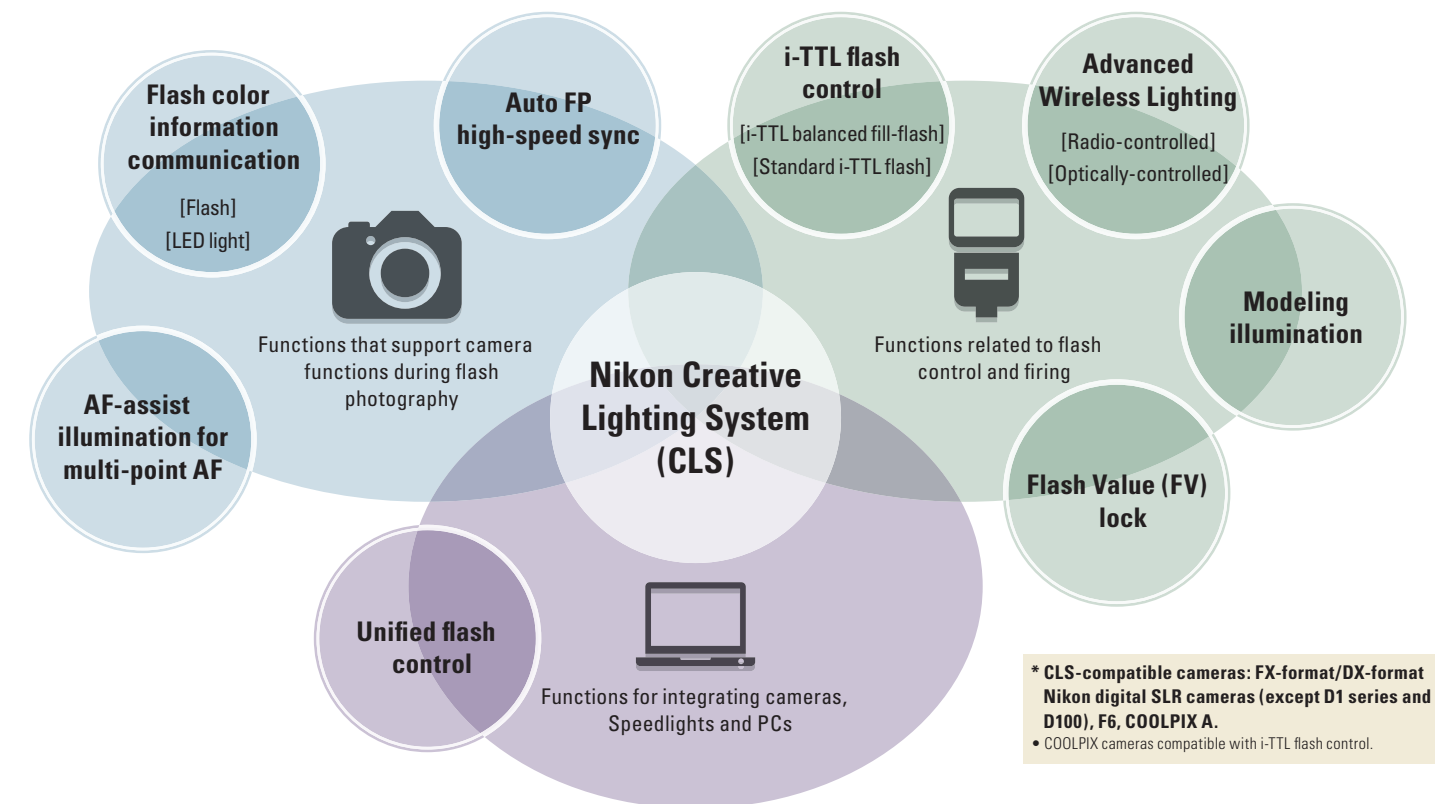
Control in any environment

To ensure precise control of your specific lighting system, the SU-800 Wireless Speedlight Commander offers 4 independent channels for competitive shooting environments to prevent any potential signal confusion. Its built-in AF assist illuminator helps you attain critical focus in low-light situations. So whether you're shooting bugs in your backyard or supermodels in the studio, the SU-800 provides reliable, consistent, remarkable lighting for any subject you desire.



More flexible lighting control with various advanced functions

Nikon Creative Lighting System (CLS) is Nikon's original flash system that utilizes optimized data communication between Speedlights and cameras. A variety of advanced features achieved via a combination of Speedlights and CLS-compatible cameras* remarkably expands the possibilities of flash photography. CLS is composed of versatile functions as shown below. (Available functions differ depending on the combination of Speedlights and cameras.)



Major Features of the Nikon Creative Lighting System

Thanks to the Nikon Creative Lighting System, photographers of every skill level, can freely, easily and wirelessly explore the full potential of portable lighting tools, capturing images that would previously have been impossible, with an ease that would have once been unthinkable. Available only from Nikon, the Nikon Creative Lighting System leverages unprecedented capabilities to accurately illuminate your images with excitement.

i-TTL flash control

A camera sensor meters reflected light from subjects via monitor pre-flashes before the main flash, then analyzes the information and adjusts the flash output. The number of monitor pre-flashes and its amount are optimized for more precise flash output adjustment. When a G-/D-/E-type lens is attached, the distance information from the subjects is applied to determine the most appropriate output.

- i-TTL balanced fill-flash: Balances the brightness of main subjects and background to optimize flash output. Main subjects can be exposed correctly with natural brightness, against the background ambient light.
- Standard i-TTL flash: Adjusts flash output to apply an appropriate amount of light to main subjects. Ideal for emphasizing the main subjects.

Advanced Wireless Lighting

- Wireless multiple flash photography is made possible with multiple Speedlights. Speedlights' positions and flash settings can be adjusted to employ various lighting choices. There are two control systems: Radio-controlled and optically-controlled.
- Radio-controlled: Attaching the WR-R10 Wireless Remote Controller to a compatible camera (D5, D850, D500, D7500), remote Speedlights (SB-5000 only) can be controlled via radio waves. (WR-A10 Wireless Remote Adapter is required for the D5, D850 and D500.)
 - Optically-controlled: SB-5000, SB-910, SB-900, SB-800, SB-700, SB-500 Speedlights can be controlled via firing from a master flash.

Modeling illumination

A controlled amount of very little light fires consecutively, so that you can confirm the lighting before shooting.

Flash Value (FV) lock

Based on an appropriate flash amount determined with the monitor pre-flash, this automatically adjusts the flash amount even when you change composition, zooming or aperture to deliver proper exposure. Fixing the flash amount enables photography with stable exposure.

Flash color information communication

When a camera's white balance is set to Auto or Flash, it automatically selects an appropriate white balance according to the flash or the compatible Speedlight's light conditions.

- Flash: Information on color temperature and color filters is transmitted to the camera.
- LED light: Color temperature information from the SB-500's LED light is transmitted to the camera.

Auto FP high-speed sync

For i-TTL flash control and manual flash control, flash photography using a shutter speed faster than the camera's own sync speed is enabled. This function automatically activates when the shutter speed exceeds the normal flash sync speed.

AF-assist illumination for multi-point AF

When it is difficult to focus on a subject in low light, this function projects AF-assist illumination compatible with multi-area AF and multi-point AF of the camera to achieve autofocus.

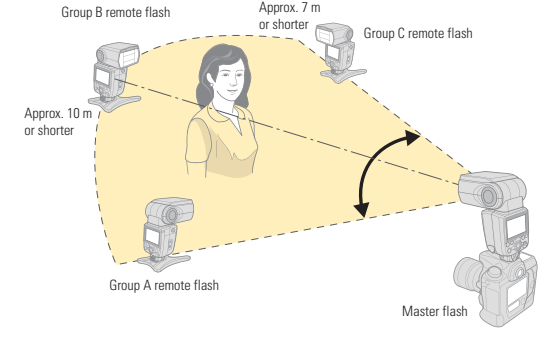
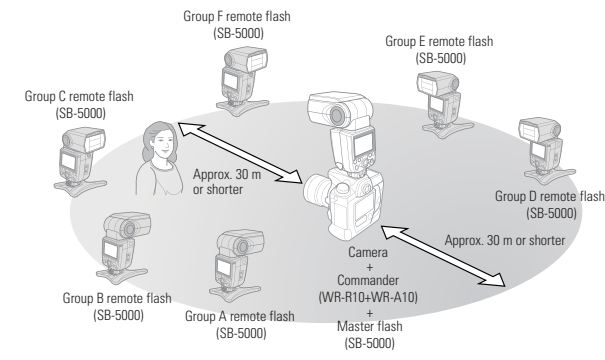
Unified flash control

This function can share various flash settings with SB-5000 Speedlights and D5, D850, D500 and D7500 cameras. Speedlight settings can be adjusted using a camera or Camera Control Pro 2 (optional). Settings executed on Speedlights are reflected on the camera and Camera Control Pro 2.



Creative multiple flash photography with Advanced Wireless Lighting

A combination of CLS-compatible cameras and Speedlights enables wireless multiple flash photography which controls each group of master and remote flash units. There are two systems: radio-controlled and optically-controlled.



Radio-controlled Advanced Wireless Lighting

With the WR-R10 Wireless Remote Controller attached to the camera (D5, D850, D500, D7500) as a commander, radio-controlled Advanced Wireless Lighting is available by locating remote flashes more flexibly than with an optically-controlled system, even when they're out of view, behind obstacles or in bright ambient light.

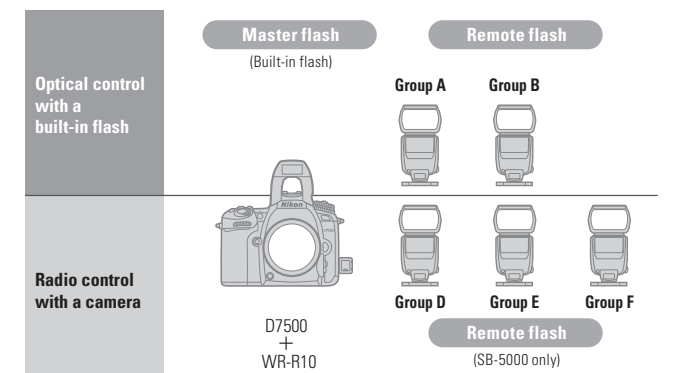
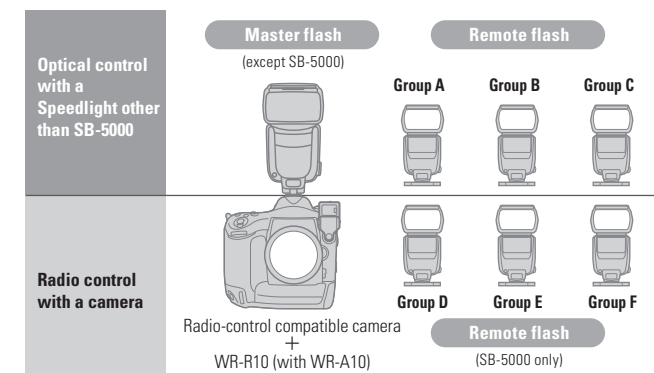
- WR-A10 Wireless Remote Adapter is required when attaching WR-R10 to the D5, D850 and D500.
- Only the SB-5000 can be used as remote flashes.
- Up to six groups (A-F) using 18 units can be set as remote flash units.
- Wireless multiple flash photography without using a master flash is also possible.

Optically-controlled Advanced Wireless Lighting

Wireless multiple flash photography with an optically-controlled system is enabled with the CLS-compatible cameras except COOLPIX A and Speedlights. Also, a built-in flash with commander function can be used.

- Up to three groups (A, B, C) of remote flashes can be set. There is no limit to the number of remote units in each group, however, up to three for each group is recommended.

Simultaneous use of optically-controlled and radio-controlled systems



With D5, D850, D500

Optically-controlled system with a master flash (except SB-5000) attached to the camera and radio-controlled system with the WR-R10 can be used simultaneously.

- Remote flashes of groups A, B and C are optically controlled, while those of groups D, E and F are radio controlled.
- SB-5000 cannot be used as a master flash in the optically-controlled system.
- Only the SB-5000 can be used as a remote flash in the radio-controlled system

With D7500

Using the built-in flash of the D7500 as a commander, optically-controlled Advanced Wireless Lighting is available for up to two groups of remote units*. When used in conjunction with Nikon's WR-R10 Wireless Remote Controller, the built-in flash can also control up to three groups of optional SB-5000 Speedlights simultaneously via radio. Advanced Wireless Lighting using both optical and radio control at the same time is also possible.

*SB-5000, SB-910, SB-900, SB-800, SB-700, SB-600, SB-500 and SB-R200 (all optional).

Other Functions of Speedlights

Standard TTL flash

A camera meters reflected light of the main flash through the lens, then adjusts the flash output level so that the subject is correctly exposed.

Non-TTL auto flash

Reflected light of the main flash is detected by the flash sensor on the Speedlight and controlled for appropriate exposure.

Auto power zoom function

This feature allows the angle of illumination to be automatically adjusted as the lens is zoomed in or out.

Distance-priority manual flash

Once the shooting distance is set, the Speedlight automatically controls the flash output according to the aperture set. You can take pictures while retaining the same flash exposure even with different apertures.

Red-eye reduction

A process that removes "red-eye" caused by light reflecting from the camera taken with the flash. It emits "pre-flashes" several times before the main flash, to make the subjects' pupils contract for reducing red-eye. (Available with a camera featuring red-eye reduction mode)

Repeating flash

Flash fires repeatedly during a single exposure to create a stroboscopic multiple-exposure effect.

Bounce flash

When the flash head is tilted to bounce flash position, you can bounce the flash off the ceiling or a wall to soften shadows and produce a more natural-looking picture.

Speedlight Compatibility

Available functions with a combination of Speedlights and CLS-compatible cameras

Speedlights	Cameras	Nikon Creative Lighting System											Auto aperture flash	Non-TTL auto flash	Distance-priority manual flash	Manual flash	Repeating flash	Red-eye reduction
		i-TTL flash control	Advanced Wireless Lighting		Modeling illumination	Flash Value (FV) lock	Flash color information communication		Auto FP high-speed sync	AF-assist illumination for multi-point AF	Unified flash control							
			Radio-controlled	Optically-controlled			Flash	LED Light										
SB-5000	D5, D850, D500	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D7500	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D4 series, Df, D810/D810A, D750, D700, D610/D600, D7200, D7100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D5600, D5500, D5300, D5200, D3400, D3300, D3200	○	○	○	△	○	○	○	○	○	○	○	○	○	○	○	○	○
	COOLPIX A	○	○	○	△	○	○	○	○	○	○	○	○	○	○	○	○	○
SB-700	D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D5600, D5500, D5300, D5200, D3400, D3300, D3200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	COOLPIX A	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SB-500 Some functions can be set on camera side	D5, D850, D500	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D4 series, Df, D7100	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D810/D810A, D750, D700, D610/D600, D7500, D7200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D5600, D5500	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D5300, D5200, D3300, D3200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D3400	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SB-300 Each function can be set on camera side	D5, D850, D700, D610/D600, D500	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D4 series, Df, D810/D810A, D750, D700, D610/D600, D7500, D7200, D7100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	D5600, D5500, D5300, D5200, D3400, D3300, D3200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	COOLPIX A	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SB-R200 Use with SU-800, camera's built-in flash or SB-5000/700/500*4 as a commander	D5, D4 series, Df, D850, D810/D810A, D750, D700, D610/D600, D500, D7500, D7200, D7100	●	○	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○
	D5600*2, D5500*2, D5300*2, D5200*2, D3400*2, D3300*2, D3200*2	●	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○

○ Nikon Creative Lighting System compatible

△ Available with a Speedlight only.

● Available when used as a remote flash for Advanced Wireless Lighting.

1 Available with D5600, D5500, D5300, D5200, D3300 and D3200 when attached to a CPU lens. Available with D3400 when attached to an E or G type lens.

*2 Commander function not available with built-in flash of D5600, D5500, D5300, D5200, D3400, D3300 and D3200.

*3 When using SU-800, SB-5000 or SB-700 with AF-assist illumination for multi-point AF.

*4 Available only when used with D5, D810/D810A, D750, D500, D7500 and D7200.

*5 With D3400, Non-TTL auto flash is available when attached to a lens other than E and G type.

● With D7500, D5600, D5500, D5300, D5200, D3400, D3300 and D3200, i-TTL flash control is available when a CPU lens* is attached.

* CPU lens: E/G/D type lens, AF lens other than E, G, D type (except lenses for F3AF) and AI-P lens.

Combinations of camera and Speedlights with Advanced Wireless Lighting

Radio-controlled system

Cameras	Commander	Master flash	Remote flash					
			Group A	Group B	Group C	Group D	Group E	Group F
			SB-5000					
D5, D850, D500	WR-R10 (with WR-A10)	SB-5000	○	○	○	○	○	○
D7500	WR-R10	SB-5000	○	○	○	○	○	○

● Wireless multiple flash photography with remote flashes without using a master flash is also available.

Optically-controlled system

Cameras	Master flash/commander	Remote flash		
		Group A	Group B	Group C
		SB-5000, SB-700, SB-500, SB-R200		
		SB-5000, SB-700, SB-R200		
FX-format/DX-format digital SLR cameras	SB-5000	○	○	○
	SU-800	○	○	○
	SB-700	○	○	-
D5, D850, D810, D810A, D750, D500, D7500, D7200, D5600, D5500	SB-500	○	○	-
D810/D810A, D750, D700, D610/D600, D7500, D7200, D7100	Built-in flash (commander mode)*	○	○	-

● SB-5000, SB-700, SB-500 can be used as a master flash (functions as a commander without firing).

● Simultaneous use of up to three remote flash units for each group is recommended.

* With D810/D810A, D750, D7500, D7200, D7100, Group A/B and Channel 1-4 can be set in commander mode.

Simultaneous use of optically-controlled and radio-controlled systems

Cameras	Master flash/commander	Optically-controlled			Radio-controlled			
		Remote flash			Commander	Remote flash		
		Group A	Group B	Group C		Group D	Group E	Group F
		SB-5000, SB-910/SB-900, SB-700, SB-500, SB-R200			SB-5000			
D5, D850, D500	SU-800	○	○	○	WR-R10 (with WR-A10)	○	○	○
	SB-910/SB-900, SB-700, SB-500	○	○	-				
D7500	Built-in flash (commander mode)*	○	○	-	WR-R10	○	○	○

● When optically-controlled and radio-controlled systems are used simultaneously, SB-5000 cannot be used as a master flash of the optically-controlled system. Group A/B and Channel 1-4 can be set in commander mode.



Specifications

Speedlights

	SB-5000	SB-700	SB-500	SB-300
Guide number	113 ft. at 35mm zoom head position 180 ft. at 200mm zoom head position (FX format, standard illumination pattern) at ISO 100, 23°C	92 ft. at 35mm zoom head position, in FX format, standard illumination pattern, 20°C to 128 ft. at ISO 200, 35mm zoom head position, in FX format, standard illumination pattern, 20°C	78.7ft. at ISO 100	59 ft. at ISO 100
Angle of illumination (in FX format)	Power zoom 24 to 200mm; 14mm with wide panel	Power zoom 24 to 120mm; 12mm with built-in wide-flash adapter	24mm	27mm
Illumination pattern	3 illumination patterns (standard/ even/center-weighted)	3 illumination patterns (standard/even/ center-weighted)	—	—
Flash mode	i-TTL, Auto aperture flash, Non-TTL auto flash, Distance-priority manual flash, Manual flash, Repeating flash	i-TTL, Distance-priority manual, Manual, Repeating flash*1	i-TTL, Manual	i-TTL, Manual
Other available functions	Test firing, monitor pre-flashes, AF-assist illumination for multi-point AF and modeling illumination	Test firing, monitor pre-flashes, AF-assist illumination for multi-point AF, and modeling illumination	Test firing, monitor pre-flashes, modeling flash	—
Minimum recycling time (manual at full)	Approx. 1.8 seconds (with Ni-MH batteries)	Approx. 2.5 seconds (with Ni-MH batteries)	Approx. 3.5 seconds (with Ni-MH batteries)	Approx. 3.5 seconds (with Ni-MH batteries)
Number of flashes (manual at full)	Approx. 150 (with alkaline batteries)	Approx. 160 (with alkaline batteries)	Approx. 100 (with alkaline batteries)	Approx. 70 (with alkaline batteries)
Power source	Four R6/AA-size batteries; SD-9 High-Performance Battery Pack	Four R6/AA-size batteries	Two R6/AA-size batteries	Two AAA-size batteries
Other features	ISO sensitivity manual setting, redis- play of amount of underexposure due to insufficient flash output in i-TTL mode, reset to the default settings, key lock, thermal cut-out, firmware update	Thermal cut-out, firmware update	Thermal cut-out, firmware update	Thermal cut-out, firmware update*2
Dimensions (W x H x D)	Approx. 73.0 x 137.0 x 103.5 mm	Approx. 71.0 x 126.0 x 104.5 mm	Approx. 67.0 x 114.5 x 70.8 mm	Approx. 57.4 x 65.4 x 62.3 mm
Weight (without batteries)	Approx. 420 g	Approx. 360 g	Approx. 226 g	Approx. 97 g

*1 When used as a remote unit.

*2 Firmware can be updated from camera.





Nikon **CREATIVE**
LIGHTING SYSTEM

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DSLR-CLS-67-12/17

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