

Nikon

En

Nikon Close-up Speedlight Commander Kit

R1C1

Nikon Close-up Speedlight Remote Kit

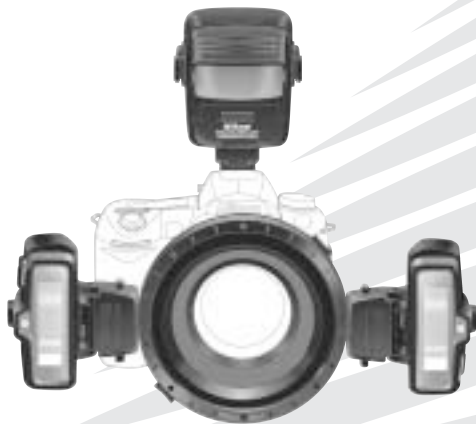
R1

Wireless Speedlight Commander

SU-800

Wireless Remote Speedlight

SB-R200



Instruction Manual

For your safety

Before using your product, please read the following safety precautions carefully and thoroughly to ensure correct and safe use and to help prevent damage to your Nikon product or injury to yourself or others. For quick reference by those who use the product, please keep these safety instructions near the product.

In this manual, safety instructions are indicated with these symbols:

 **WARNING** Disregarding instructions marked with this symbol could result in personal injury, or death and property damage.

 **CAUTION** Disregarding instructions marked with this symbol could result in property damage.

WARNINGS for the Wireless Speedlight Commander SU-800 and the Wireless Remote Speedlight SB-R200

- 1 If corrosive liquids seep from the batteries and get in your eyes, immediately wash your eyes with running water and consult with a doctor.** Your eyes could be seriously damaged if they are not treated quickly.
- 2 If corrosive liquids seep from the batteries and come in contact with your skin or clothes, wash immediately with running water.** Prolonged contact could injure your skin.
- 3 Never attempt to disassemble or repair the flash unit by yourself,** as this could result in you receiving an electric shock and could also cause the unit to malfunction; such malfunction could lead to personal injury.
- 4 If the flash unit is dropped and damaged, do not touch any exposed interior metal parts.** Such parts, especially the speedlight's capacitor and associated parts, could be in a high-charge state and if touched could cause an electric shock. Disconnect the power or remove the batteries and be sure that you do not touch any of the product's electrical components, and then bring the flash unit to your local Nikon dealer or authorized service center for repair.
- 5 If you detect heat, smoke or notice a burning smell, immediately stop operation and remove the batteries** to prevent the unit from catching on fire or melting. Allow the flash unit to cool down so that you can safely touch it and remove the batteries. Then bring the unit to your local Nikon dealer or authorized service center for repair.

- 6 The flash unit should never be submerged in liquid or exposed to rain, saltwater or moisture unless it is properly protected from the liquids and moisture. Underwater use requires a certified underwater housing.**

If water or moisture gets inside the unit, this could cause the unit to catch on fire or cause an electric shock. In such instances you should immediately remove the batteries from the speedlight and then bring the unit to your local Nikon dealer or authorized service center for repair.

Note: electronic devices that are penetrated by water or moisture are often not economically repairable.

- 7 Do not use the unit in the presence of flammable or explosive gas.**
If the flash unit is operated in areas where there is a flammable gas, including propane, gasoline and dust, it could cause an explosion or fire.
- 8 Do not fire the flash unit directly at the driver of a moving car,** as this could temporarily impair the driver's vision and cause an accident.
- 9 Do not fire the flash unit directly into the eyes of someone that is at close range,** as it could damage their eyes' retinas. Never fire the flash unit closer than 1 meter from infants.
- 10 Do not fire the unit while the flash head is touching a person or object.**
Such use can result in the person being burned, and/or their clothes igniting from the heat of the flash's firing.
- 11 Keep small accessories out of the reach of children** to avoid the possibility of the accessory being swallowed. If an accessory is accidentally swallowed, immediately consult with a doctor.
- 12 Use only the batteries specified in this instruction manual.** Batteries other than those specified could leak corrosive liquids, explode or catch on fire or otherwise not perform satisfactorily.
- 13 Non-rechargeable batteries such as manganese, alkaline-manganese and lithium batteries should never be charged in a battery charger** because they could leak corrosive liquids, explode or catch on fire.



CAUTIONS for the Wireless Speedlight Commander SU-800 and the Wireless Remote Speedlight SB-R200

- 1 Do not touch the flash unit with wet hands**, as this could cause an electric shock.
- 2 Keep the flash unit away from children to prevent them from putting the unit in or near their mouth, or otherwise touching a dangerous part of the product**; as such contact could cause an electric shock.
- 3 Do not apply strong physical shocks to the unit**, as this could cause a malfunction that could cause the unit to explode or catch on fire.
- 4 Never use active agents that contain flammable substances such as paint thinner, benzene or paint remover to clean the unit, and never store the unit in locations containing chemicals such as camphor and naphthalene**, as this could damage the plastic case, cause a fire or cause an electric shock.
- 5 Remove any batteries from the unit before storing the unit for a long time** to prevent the unit from catching on fire or leaking corrosive liquids.
- 6 Do not point the Commander SU-800's commander transmit window directly into the eyes of someone at close range**, as this can cause serious eye damage.



WARNINGS for Lithium Batteries

- 1 Never heat or throw batteries into a fire**, as this could cause the batteries to leak corrosive liquids, generate heat or explode.
- 2 Do not short-circuit or disassemble the batteries** because this could cause the batteries to leak corrosive liquids, generate heat or explode.
- 3 Do not install batteries in the reverse direction as this could cause the batteries** to leak corrosive liquids, generate heat or explode.
- 4 Do not carry or store batteries along with metallic materials such as necklaces and hair pins** because such materials could cause the batteries to short-circuit, leading to battery leakage, heat generation or an explosion. **In addition, specially when carrying a quantity of batteries, place them carefully in a storage case that prevents the battery terminals from touching another battery's terminals** because if they touch in reverse order it could also cause the batteries to short-circuit, leading to battery leakage, heat generation or an explosion.
- 5 If corrosive liquids seep from the batteries and get in your eyes, immediately wash your eyes with running water and consult with a doctor.** Your eyes could be seriously damaged if they are not treated quickly.

- 6 If corrosive liquids seep from the batteries and come in contact with your skin or clothes, wash immediately with running water.** Prolonged contact could injure your skin.
- 7 Always follow the warnings and instructions printed on the batteries** to avoid activities that could cause the batteries to leak corrosive liquids, generate heat or catch on fire.
- 8 Be sure to use only batteries specified in this instruction manual,** to avoid the possibility of batteries leaking corrosive liquids, generating heat or exploding.
- 9 Never open the casing surrounding batteries or use batteries whose casing has been breached** as such batteries could leak corrosive liquids, generate heat or explode.
- 10 Keep batteries out of the reach of children** to help avoid the possibility of them being swallowed. If a battery is accidentally swallowed, immediately consult with a doctor.
- 11 Batteries should not be submerged in water, exposed to rain, moisture or saltwater unless they are properly protected from the wet environment.** If water or moisture gets inside the batteries, this could cause them to leak corrosive liquids or generate heat.
- 12 Do not use any battery that appears abnormal in any way, including a change in color or shape.** Such batteries could leak corrosive liquids or generate heat.
- 13 When recycling or disposing of batteries, be sure to insulate their terminals with tape.** If the battery's positive and negative terminals shortcircuit after coming into contact with metallic objects, it could cause fire, heat generation or an explosion. Dispose of used batteries in accordance with local government regulations.
- 14 Non-rechargeable batteries should never be charged in a battery charger** because they could leak corrosive liquids or generate heat.
- 15 Remove dead batteries from your equipment immediately,** as they could leak corrosive liquids, generate heat or explode.

CAUTION for Lithium Batteries

Do not throw or apply strong physical shocks to the batteries as this could cause batteries to leak corrosive liquids, generate heat or explode.

WARNING for TTL Cord SC-30

Never attempt to disassemble or repair the cord by yourself, as this could result in an electric shock and could also cause the unit to malfunction, which could lead to injury.

Foreword

Thank you for purchasing the Nikon Wireless Speedlight system. To get the most out of your Speedlight system, please read this instruction manual thoroughly before use. Also read “Close-up Speedlight Photography Examples,” a separate booklet that provides an overview of Speedlight flash-shooting capabilities and contains photographic examples. Keep your camera and Speedlight instruction manuals handy for quick reference.

Main features and functions

This Speedlight system, which features the Nikon Creative Lighting System (CLS), provides a variety of wireless multiple flash and close-up flash operations. The Speedlight system mainly consists of the Wireless Speedlight Commander SU-800, which controls flash output when mounted on CLS-compatible cameras; the Wireless Remote Speedlight SB-R200, which has a guide number of 10/33 (ISO 100, m/ft.) or 14/46 (ISO 200, m/ft.); and the Attachment Ring SX-1, which is used to attach the SB-R200 to the front of the lens.

- When using CLS-compatible cameras, you can divide the Speedlight units into three groups and control the flash output independently for each group.
- Wireless close-up flash operation is possible when the SU-800 is mounted on a CLS-compatible camera to control the SB-R200 (p. 65).
- The SB-R200 can be attached to the front of the lens, held in your hand, or freely positioned by using the Speedlight Stand AS-20, which comes with the unit.
- The SU-800 features a Commander function that can trigger wirelessly remote flash units such as the SB-R200 and SB-600 without firing itself (p. 79).
- Included with the kit are a variety of accessories to help you enjoy close-up flash shooting, such as the Extreme Close-Up Positioning Adapter SW-11, Color Filter Set SJ-R200, Diffuser SW-12, and Flexible Arm Clip SW-C1.
- When using the SU-800 with cameras not compatible with CLS, only close-up flash operation (using cords) is possible in use with the optional TTL Cord SC-30 (p. 109).

Nikon Creative Lighting System (CLS)

CLS offers various flash shooting possibilities by taking advantage of the improved digital data communication capabilities of Nikon Speedlights and cameras.

The major features are as follows:

- **i-TTL Mode**

This is a TTL auto flash mode in CLS. When using the i-TTL auto flash mode, Monitor Preflashes are fired at all times. The flash output level is adjusted by measuring the flash illumination that is reflected back from the subject, resulting in an exposure that is less affected by ambient light (p. 116).

- **Advanced Wireless Lighting**

The wireless multiple flash operation in TTL (i-TTL) mode can be accomplished with CLS-compatible cameras. The remote flash units can be divided into three groups and flash output can be independently controlled for each group, expanding the range of creative multiple flash shooting techniques (p. 26).

- **Flash Value Lock**

Flash Value, or “FV,” is the amount of flash exposure for the subject. Using FV Lock with compatible cameras, you can lock in the appropriate flash exposure for the main subject. This flash exposure is locked in, even if you change the aperture or composition, or zoom the lens in and out (p. 98).

- **Auto FP High-Speed Sync**

High-Speed flash synchronization at your camera's highest shutter speed is now possible. This is useful when you want to use a wider aperture to ensure a shallow depth of field blurs the background (p. 96).

See your CLS-compatible camera instruction manual for details on the Nikon Creative Lighting System (CLS).

Life-long learning

As part of Nikon's "Life-long learning" commitment to ongoing product support and education, continually updated information is available online at the following sites:

- For users in the U.S.A.: <http://www.nikonusa.com/>
 - For users in Europe and Africa: <http://www.europe-nikon.com/support/>
 - For users in Asia, Oceania and the Middle East: <http://www.nikon-asia.com/>
- Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently asked questions, and to receive general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. See the URL below for contact information: <http://nikonimaging.com/>

Notes

- **Default:** Functions and flash modes preset before being shipped from the factory are referred to as "Default" settings in this manual.
- **CLS:** Hereafter, Nikon **C**reative **L**ighting **S**ystem is abbreviated to **CLS**.
- "Cameras compatible with Nikon Creative Lighting System" are abbreviated as "CLS-compatible cameras."
- In this manual, the Wireless Speedlight Commander SU-800 is called the "Commander SU-800" or "SU-800" and the Wireless Remote Speedlight SB-R200, the "Remote Speedlight SB-R200" or "SB-R200."

Symbols used in this manual

-  : Denotes important points to prevent malfunction or shooting failure.
-  : Useful points that should be remembered to better enjoy the Speedlight.
-  : Provides convenient reference information for using the Speedlight system.

Symbol for separate collection applicable in European countries



This symbol indicates that this product is to be collected separately. The following apply only to users in European countries.

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.

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Preparation

Flash operation using the R1C1

Flash operation using the R1

Functions and use of the SU-800

Functions and use of the SB-R200

Details on close-up flash operation and shooting procedures

Details on Commander flash operation and shooting procedures

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Reference information

Details on close-up flash operation and shooting procedures

(Used with CLS-compatible cameras)

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Details on Commander flash operation and shooting procedures

(Used with CLS-compatible cameras)

- Commander flash operation 80
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Preparation

Flash operation using the R1C1

Flash operation using the R1

Functions and use of the SU-800

Functions and use of the SB-R200

Details on close-up flash operation and shooting procedures

Details on Commander flash operation and shooting procedures

Other functions

Flash operation using various accessories

Flash shooting using SLRs not compatible with CLS

Reference information

Tips on using the Speedlight

Take trial shots

Take test photos before photographing important events, such as weddings and graduations.

Have Nikon regularly spot-check your Speedlight

Nikon recommends that you have your Speedlight serviced by an authorized dealer or service center at least once every two years.

Using your Speedlight correctly

The Nikon Speedlight's performance has been optimized for use with Nikon brand cameras and accessories, including lenses.

Camera and accessories made by other manufacturers might not meet Nikon's specification criteria, and nonconforming cameras and accessories could damage the Speedlight's components. Nikon cannot guarantee the Speedlight's performance when used with non-Nikon products.

Recommended cameras and lenses

● Recommended cameras

Cameras compatible with Nikon Creative Lighting System (CLS)

A variety of wireless multiple flash and close-up flash operations using the SU-800 and the SB-R200 are available with Nikon CLS-compatible cameras.

- Refer to your camera instruction manual for details on available camera functions.

Usable CLS-compatible cameras: D2-Series, D70-Series, D50, F6, etc.

● Recommended lenses

Micro Nikkor lenses

Micro Nikkor lenses provide a maximum reproduction ratio of 1:1 or 1:2. These lenses offer high optical performance that is best suited to Nikon cameras, allowing you to take texture-quality pictures anywhere from close-up to infinity.

AF Micro-Nikkor 60mm f/2.8D

AF Micro-Nikkor 105mm f/2.8D

AF Micro-Nikkor 200mm f/4D IF-ED

🔍 Using the Nikon D70-Series camera's Commander mode

Be sure to set the channel number of the remote flash unit(s) to 3 and set the group of the remote flash unit(s) to group A when performing wireless multiple flash with a Nikon D70-Series camera's built-in flash as a Commander, otherwise the remote flash unit(s) will not fire.

🔍 With SLR cameras incompatible with CLS

Use the TTL Cord SC-30 (optional) to connect the SU-800 and the SB-R200 (p. 109).

✔ COOLPIX-Series digital cameras

The SU-800 and SB-R200 cannot be used with the COOLPIX-Series digital cameras (p. 126).

✔ Usable lenses with limited functions with the SB-R200

The maximum number of SB-R200 units that can be attached to the front of the lens and which focal lengths can be used vary depending on the lens in use. For more details, refer to "2 Usable lenses with limited functions with the SB-R200" (p. 120).

✔ Lenses unusable with the SB-R200

AF Nikkor lenses with a ring that rotates during AF operation.

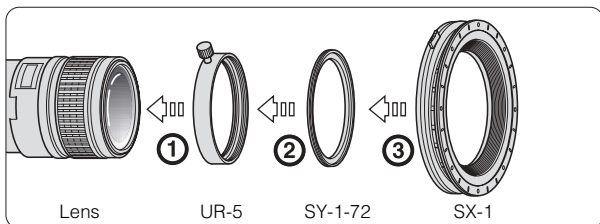
Recommended cameras and lenses

☑ Using lenses that extend and retreat during AF operation

Nikkor lenses that extend and retreat in length during AF operation may not autofocus correctly, or may lead to damage of the lens or camera's autofocus mechanism due to the weight of the flash head. Therefore, do not perform autofocus operation, but use manual focus instead.

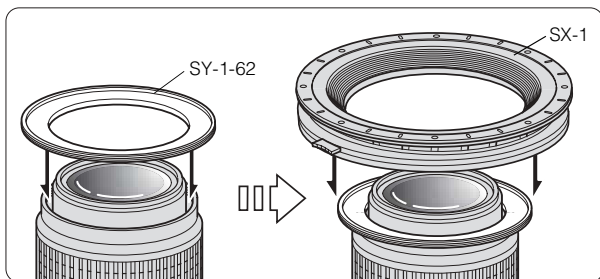
☑ Using an AF Micro-Nikkor 60mm f/2.8D lens

- Be sure to attach the Dedicated Adapter Ring UR-5 (optional) to the AF Micro-Nikkor 60mm f/2.8D lens, then attach the SX-1 to the lens with the Adapter Ring SY-1-72.



📌 Notes on using an AF Micro-Nikkor 105mm f/2.8D lens

Autofocus operation is possible if you attach the Attachment Ring SX-1 to the AF Micro-Nikkor 105mm f/2.8D lens using the Adapter Ring SY-1-62.



Confirm receipt of contents in your kit

Available flash operations depending on each kit

Available flash operation varies according to each kit. Accessories other than those included in the kit may be necessary. Refer to the table below.

Users of the Nikon Close-up Speedlight Commander Kit R1C1 should read through this instruction manual.

Users of the Nikon Close-up Speedlight Remote Kit R1, Commander SU-800 and Remote Speedlight SB-R200 should read the sections necessary for each kit.

Products	Available flash operations	Usable cameras	Speedlight and Commander not included in the kit
Nikon Close-up Speedlight Commander Kit R1C1	Close-up	CLS-compatible cameras Cameras not compatible with CLS* ¹	—
	Commander	CLS-compatible cameras	—
Nikon Close-up Speedlight Remote Kit R1	Close-up	CLS-compatible cameras with Commander function.	—
	Commander	CLS-compatible cameras with Commander function.	SU-800 or SB-800
Commander SU-800	Close-up	CLS-compatible cameras Cameras not compatible with CLS* ¹	SB-R200
	Commander	CLS-compatible cameras	SB-R200 or SB-800, SB-600
Remote Speedlight SB-R200	Close-up	CLS-compatible cameras Cameras not compatible with CLS* ¹	SU-800
		CLS-compatible cameras with Commander function	—
	Commander	CLS-compatible cameras with Commander function.	SB-800 or SU-800

*1 The optional TTL Cord SC-30 is required (p. 123).

Note: With CLS-compatible cameras, the TTL Cord SC-30 (optional) is not required.

Confirm receipt of contents in your kit

Contents vary according to each kit

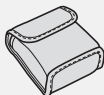
The following products should be packed with your kit. Please make sure they are all included.

- The below illustrations differ in scale.

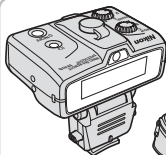
Nikon Close-up Speedlight Commander Kit R1C1



Wireless Speedlight
Commander SU-800



Soft Case
SS-SU800 for
SU-800



Wireless Remote
Speedlight
SB-R200 (x2)



IR Panel for
Built-in Flash
SG-3IR



Soft Case SS-R200
for SB-R200 (x2)



Flexible Arm
Clip SW-C1



Speedlight Stand
AS-20 (x2)

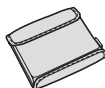
Nikon Close-up Speedlight Remote Kit R1



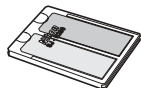
Attachment Ring
SX-1



Adapter Ring Set
(5 rings) (x1)



Soft Case
SS-SX1 for
SX-1



Color Filter Set SJ-R200
(for SB-R200 package)
(4 filters in 4 models)
(x2)



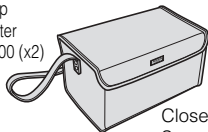
Extreme Close-Up
Positioning Adapter
SW-11 for SB-R200 (x2)



Color Filter
Holder SZ-1
(x2)

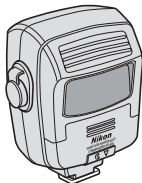


Diffuser
SW-12

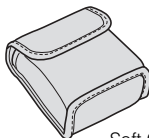


Close-up
Speedlight Case
SS-MS1

Commander SU-800



Wireless Speedlight
Commander
SU-800



Soft Case SS-SU800
for SU-800

	Nikon Close-up Speedlight Commander Kit R1C1	Nikon Close-up Speedlight Remote Kit R1	Commander SU-800	Remote Speedlight SB-R200
Wireless Speedlight Commander SU-800	1	—	1	—
Wireless Remote Speedlight SB-R200	2	2	—	1
Attachment Ring SX-1	1	1	—	—
Adapter Ring Set	1 set (5 rings)	1 set (5 rings)	—	—
Extreme Close-Up Positioning Adapter SW-11 for SB-R200	2	2	—	—
Color Filter Holder SZ-1	2	2	—	1
Color Filter Set SJ-R200 (for SB-R200 package)	2 sets (4 models, 4 filters)	2 sets (4 models, 4 filters)	—	4 models, 4 filters
Speedlight Stand AS-20	2	2	—	1
IR Panel for Built-in Flash SG-3IR	1	1	—	—
Flexible Arm Clip SW-C1	1	1	—	—
Diffuser SW-12	1	1	—	—
Close-up Speedlight Kit Case SS-MS1	1	1	—	—
Soft Case SS-SU800 for SU-800	1	—	1	—
Soft Case SS-R200 for SB-R200	2	2	—	1
Soft Case SS-SX1 for SX-1	1	1	—	—

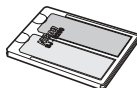
Remote Speedlight SB-R200



Wireless Remote
Speedlight
SB-R200



Soft Case SS-R200
for SB-R200



Color Filter Set SJ-R200
(for SB-R200 package)
(4 filters in 4 models) (x1)



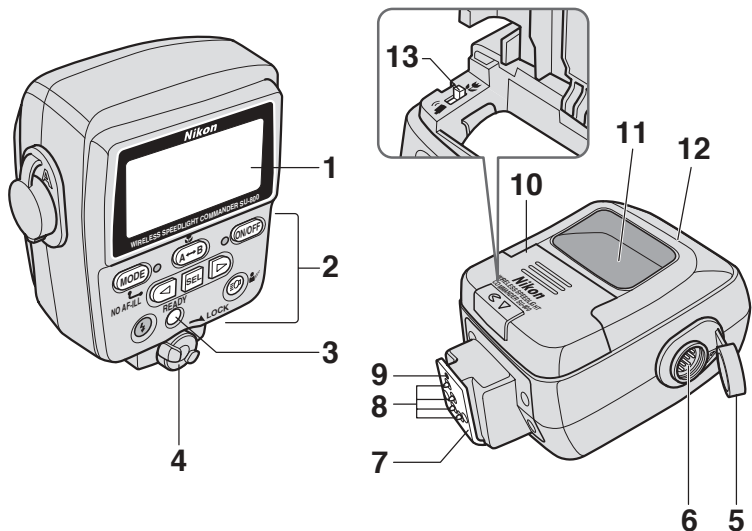
Speedlight
Stand AS-20



Color Filter
Holder
SZ-1

Speedlight parts, their functions, and accessories

■ Wireless Speedlight Commander SU-800



1 LCD Panel (p. 20)

2 Control Buttons

3 Ready-light

Lights up when the Speedlight is fully recycled and ready to fire.

4 Mounting Foot-lock Lever (p. 29)

5 Terminal Cover

6 TTL Cord Terminal

Connects the SU-800 with the SB-R200 when used with cameras not compatible with CLS. (p. 110)

7 Mounting Foot (p. 29)

8 Hot-shoe Contacts

9 Mount Pin

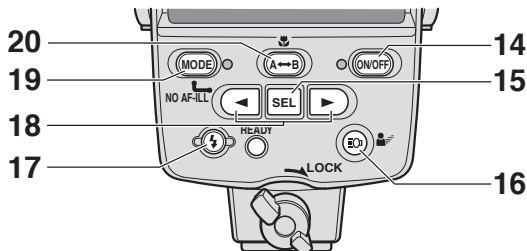
10 Battery Chamber lid (p. 28)

11 AF-assist Illuminator

12 Commander Transmit Window

13 Commander/Close-up Select Switch

Toggles between the close-up and Commander modes. (p. 58)



■ Control buttons on the SU-800

14 [ON/OFF] Button

Press to turn the power on or off.

To avoid accidental firing or a malfunction when carrying the SU-800 in your camera bag, turn off the flash unit.

15 [SEL](FUNC.) button

- Press to select the items to be set. The selected item will blink and can be changed using the [◀] and [▶] buttons.
- Press for approx. 2 sec. to display another setting.

16 Target Light Button

- Press to turn the Target light (focus-assist illuminator). (p. 89)
- Press for approx. 1 sec. to activate or cancel the target light. (p. 90)

17 Test Button

Press to test fire the flash. (p. 88)

18 [◀] (left) Button

[▶] (right) Button

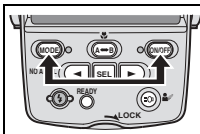
Press to change the values of the items or settings that are blinking.

19 [MODE] Button

Press to set the flash mode.

20 [A↔B] Select Button

In the close-up mode, press to set the flash units in groups A and B to fire or to cancel.



Simultaneously press the [ON/OFF] and [MODE] buttons (two-button reset) to reset all settings (selected by the Commander/Close-up select switch) to their default values. The LCD panel will blink 3 times.

● Using the SU-800 in low light

Press any button on the SU-800 to turn the illuminator on (when the SU-800's power is on), and it will remain lit for about 16 seconds.

- The SU-800's control button illuminator comes on when the camera's LCD panel illuminator is turned on.
- The control button illuminator goes out when the shutter is released.

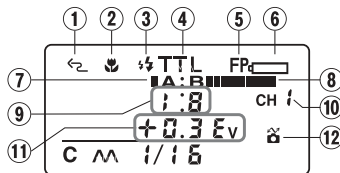
Speedlight parts, their functions, and accessories

SU-800's LCD panel and icons

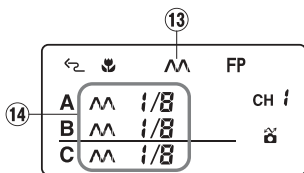
Icons on the SU-800's LCD panel show the status of the operations set. These icons vary depending on the settings and the combination of camera and flash units in use.

- The below illustrations are for reference only and may differ to the actual display.

Icons in close-up flash operation



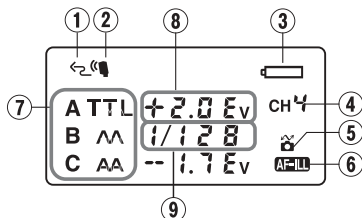
Display in TTL mode



Display in M (manual) mode

- Wireless Flash**
A control signal is sent from the SU-800 to the remote flash units such as the SB-R200.
- Close-up Mode**
Close-up function is set to "activated."
- Monitor Preflashes**
Just before the flash fires, the Speedlight fires a series of imperceptible preflashes to collect necessary data for actual flash firing.
- TTL Mode**
Measuring the flash illumination reflected back from the subject, the camera automatically controls the flash output level to give the correct exposure.
- Auto FP High-Speed Sync**
Auto FP High-Speed Sync. is available when the SU-800 is connected to cameras compatible with Auto FP High-Speed Sync. (p. 96).
- Low Battery-power**
Replace the battery.
- Flash Output Level (Group A)**
Visually indicates the group A's flash output level in the TTL mode.
- Flash Output Level (Group B)**
Visually indicates the group B's flash output level in the TTL mode.
- Flash Output Level Ratio (Groups A : B)**
Indicates the flash output level ratio between groups A and B in the TTL mode.
- Channel**
Represents the communication channel number through which the SU-800 and SB-R200 exchange data.
- Flash Output Level Compensation (Groups A, B)**
Represents flash output level compensation for groups A and B in the TTL mode.
- CLS-compatible camera**
The SU-800 is connected to cameras compatible with CLS.
- Manual Flash**
The flash always fires at a specified output in combination with the aperture and light output level (guide number).
- Manual Flash Output Level**
Represents flash output level for each group in Manual flash mode.

Icons in Commander flash operation



① Wireless Flash

A control signal is sent from the SU-800 to the remote flash units such as the SB-R200.

② Commander Mode

Commander function is activated.

③ Low Battery-power

Replace the battery.

④ Channel

Represents the communication channel number through which the Commander and Speedlight exchange data.

⑤ CLS-compatible camera

The SU-800 is connected to cameras compatible with CLS.

⑥ AF-Assist Illuminator activated

The AF-Assist Illuminator comes on. NO AF-ILL appears when the AF-Assist Illuminator is canceled (p. 91).

⑦ Group

Represents the group names and flash mode in each group.

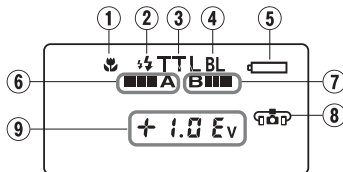
⑧ Flash Output Level Compensation Value

Flash output level compensation value.

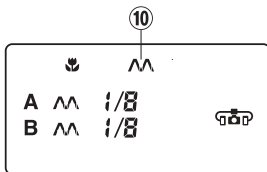
⑨ Manual Flash Output Level

Represents flash output level for each group in Manual flash mode.

Icons in close-up flash operation (using cords)



Display in TTL BL mode



Display in M (manual) mode

① Close-up Mode

Close-up function is activated.

② Monitor Preflashes

Just before the flash fires, the Speedlight fires a series of imperceptible preflashes.

③ TTL Mode

Measuring the flash illumination reflected back from the subject, the camera automatically controls the flash output level to give the correct exposure.

④ Balanced Fill-Flash

The flash output level is automatically controlled for a well-balanced exposure of the main subject and background.

⑤ Low Battery-power

Replace the battery.

⑥ Flash firing (Group A)

Flash unit(s) in Group A fires in the TTL mode.

⑦ Flash firing (Group B)

Flash unit(s) in Group B fires in the TTL mode.

Speedlight parts, their functions, and accessories

⑧ Using Cords

The SU-800 is connected to the SB-R200 using cords when mounted on cameras not compatible with CLS. This indicator blinks if the SB-R200 is not correctly connected.

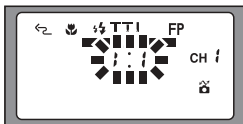
⑨ Flash Output Level Compensation Value (Groups A, B)

Indicates the flash output level compensation for groups A and B in the TTL mode.

⑩ Manual Mode

The flash always fires at a specified output in combination with the aperture and light output level (guide number).

Displays when blinking



Indicate that these items can be adjusted or changed. Stop after blinking six times unless an adjustment is made.

- Icons blinking also indicate warning and errors.
- When the [ON/OFF] + [MODE] buttons are simultaneously pressed (two-button reset) for approx. 2 sec., the display blinks three times (p. 19).

Using the SU-800 in low light

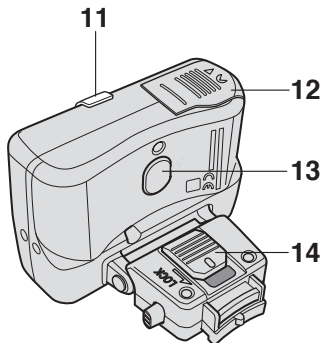
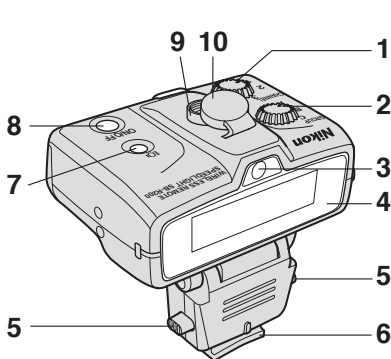
Press any button on the SU-800 to turn the illuminator on (when the SU-800's power is on), and it will remain lit for about 16 seconds.

- The SU-800's control button illuminator comes on when the camera's LCD panel illuminator is turned on.
- The control button illuminator goes out when the shutter is released.

Characteristics of the LCD panel

- Due to the directional characteristics of LCDs, the LCD display is difficult to read when viewed from above. However, the display can be seen clearly from a somewhat lower angle.
- The LCD display becomes darker at high temperatures (approx. 60°C/140°F), but returns to normal at normal temperatures (20°C/68°F).
- The LCD's response time slows down at low temperatures (approx. 5°C/41°F and below), but returns to normal at normal temperatures (20°C/68°F).

■ Wireless Remote Speedlight SB-R200



1 [CHANNEL] select dial

Sets the communication channel through which the Commander and SB-R200 units exchange data (p. 35).

2 [GROUP] select dial

Sets the group of the SB-R200 (p. 36).

3 Target Light (Focus-Assist Illuminator)

4 Flash head

5 Release button

Hold down and slowly move the SB-R200 until it comes to the desired position, then release the button to secure (p. 31).

6 Mounting Foot (p. 31)

7 Target Light Button

Sets the target light to turn on or off (p. 90).

8 [ON/OFF] button

Press to turn the power on or off.

To avoid accidental firing or a malfunction when carrying the SB-R200 in your camera bag, turn off the flash unit.

9 TTL cord terminal

Connects the SU-800 to the SB-R200 via a cord when used with cameras that are not compatible with CLS (p. 110).

10 Terminal cover

Close the cover when not using the TTL cord.

11 Ready-light

The lamp lights up in green when the power is on. It turns red when the SB-R200 is fully recycled and ready to fire. The green lamp blinks when battery power is weak.

12 Battery chamber lid (p. 30)

13 Light sensor window for wireless remote flash

14 Lock switch

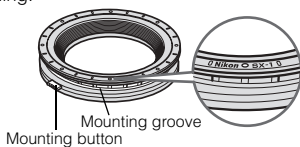
Secures the SB-R200 to the Attachment Ring (p. 31).

Speedlight parts, their functions, and accessories

■ Attachment Ring SX-1

The SX-1 is used to secure the SB-R200 by attaching it to the Adapter Ring on the front of the lens.

The SB-R200 is detachable at any position around the Attachment Ring. You can slide the SB-R200 freely around the ring. There are click stops every 15° on the Attachment Ring.



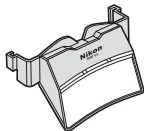
■ Adapter Rings (SY-1-52, SY-1-62, SY-1-67, SY-1-72, SY-1-77)

These rings can be attached to the front of the lens for mounting the Attachment Ring SX-1. Five Adapter Rings, with diameters of $\phi 52\text{mm}$, $\phi 62\text{mm}$, $\phi 67\text{mm}$, $\phi 72\text{mm}$ and $\phi 77\text{mm}$ are provided.



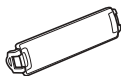
■ Extreme Close-Up Positioning Adapter SW-11

The SW-11 can be attached to the SB-R200 and used to curve flash light toward the optical axis to create lighting effects when taking close-up shots (p. 103).



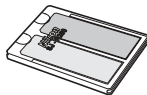
■ Color Filter Holder SZ-1

The SZ-1 is used to attach a colored gel filter (SJ-R200 or optional SJ-2) to the flash head of the SB-R200 (p. 102).



■ Color Filter Set SJ-R200 (for SB-R200 package)

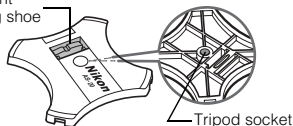
The set comprises a total of 4 filters: the FL-G1 for fluorescent light, the TN-A1 for incandescent/tungsten light, Blue and Red (p. 100).



■ Speedlight Stand AS-20

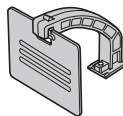
The AS-20 can be used to freely position and steady the SB-R200. The Attachment Ring SX-1 can be attached to a tripod (p. 107).

Speedlight mounting shoe



■ IR Panel for Built-in Flash SG-3IR

The SG-3IR can be attached to a camera's hot shoe when a Nikon digital camera's built-in flash (such as D70-Series) is used as a Commander (p. 50).



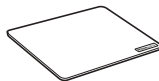
■ Flexible Arm Clip SW-C1

The SW-C1 can be used to hold a Diffuser. It can also be attached to the mounting groove on the Attachment Ring SX-1 (p. 105).

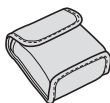


■ Diffuser SW-12

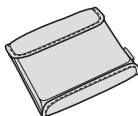
The SW-12 is a milky-white board that can be used to diffuse flash light (p. 105).



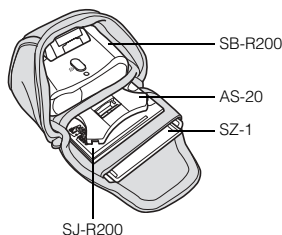
■ Soft Case SS-SU800 for SU-800



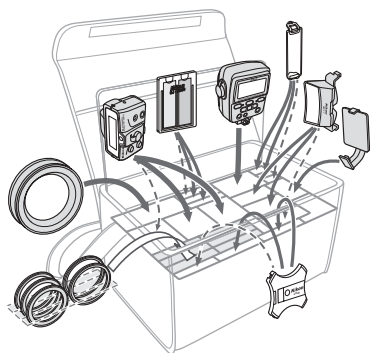
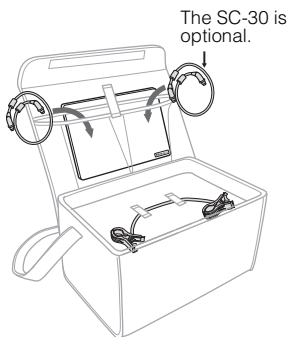
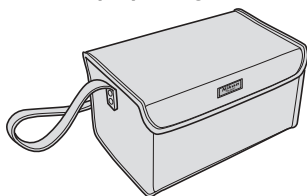
■ Soft Case SS-SX1 for SX-1



■ Soft Case SS-R200 for SB-R200



■ Close-up Speedlight Kit Case SS-MS1



Caring for the Close-up Speedlight Kit Case SS-MS1

- Do not clean the case with a moistened cloth. Never use organic solvent or a bleaching agent such as thinner or benzene.
- If the case gets wet, wipe it with a dry, soft cloth, and fully dry in the shade.
- Be careful not to leave the case for a long time in locations subject to high humidity or direct sunlight, otherwise the surface may become stiff, cracked, or faded in color.

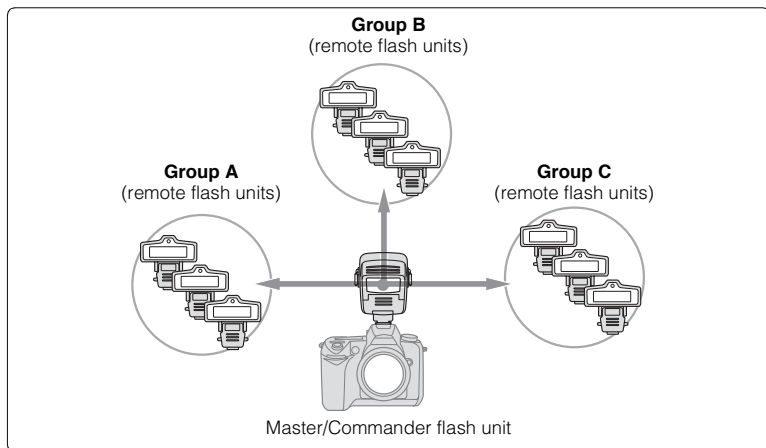
Wireless multiple flash operation in the Nikon Creative Lighting System (CLS)

When the SU-800 is used with Nikon CLS-compatible cameras, the remote flash units can be divided into a maximum of 3 groups, and the flash output level can be separately set for each group of Master/Commander and remote flash unit(s), providing wireless multiple flash operation (Advanced Wireless Lighting).

Master flash unit and remote flash unit(s)

In this instruction manual, the Commander SU-800 and Speedlight mounted on the camera, a built-in flash or the one directly connected to the camera via a TTL Cord is called the Master/Commander flash unit. All other flash units are called remote flash units.

Details of Advanced Wireless Lighting



- Remote flash units can be divided into a maximum of three groups (A, B and C).
- One or more remote flash units can be set to one group.
- Flash mode and flash output-level compensation values can be set independently on the Master/Commander flash unit and for three other groups of remote flash units.
- Select one of the four available channels through which the Master/Commander flash unit and three other groups exchange data.
- If a photographer performs the same Advanced Wireless Lighting near you, your remote flash unit(s) might accidentally fire in sync with that photographer's master flash unit. If this happens, select a different channel number.

Flash operation

using the Nikon Close-up Speedlight Commander Kit R1C1

(Used with Nikon CLS-compatible cameras)

This section describes the necessary procedures for **wireless close-up** and **Commander flash operations** with a CLS-compatible camera when using the Nikon Close-up Speedlight Commander Kit R1C1.

- For details on close-up flash operation, see page 65.
- For details on Commander flash operation, see page 79.

Procedures for close-up flash operation

- 1** Installing batteries in the SU-800.
- 2** Attaching the SU-800 to the camera.
- 3** Installing batteries in the SB-R200.
- 4** Attaching the SB-R200 to the front of the lens.
- 5** Turning on the camera, the SU-800 and SB-R200.
- 6** Setting the flash mode on the SU-800.
- 7** Setting a channel number on the SU-800 and SB-R200.
- 8** Setting a group on the SB-R200.
- 9** Compose a picture and shoot with flash.

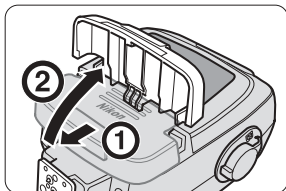
Procedures for Commander flash operation

- 1** Setting Commander function on the SU-800.
- 2** Setting up the SB-R200.
- 3** Turning on the camera, the SU-800 and SB-R200.
- 4** Setting the flash mode on the SU-800.
- 5** Setting a channel and a group.
- 6** Compose a picture and shoot with flash.

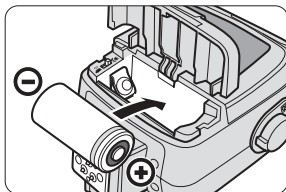
Procedures for close-up flash operation



Installing batteries in the SU-800.

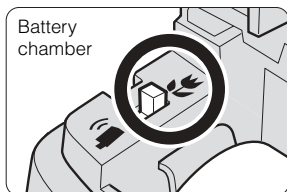


- 1** Slide open the battery chamber lid in the direction of the arrow.



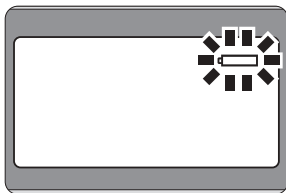
- 2** Install the battery, then close the battery chamber lid by sliding it back into place.

Use CR123A (3V) lithium batteries.



Confirming the close-up mode setting

Make sure that the Commander/Close-up select switch in the battery chamber is set to "Close-up" position.



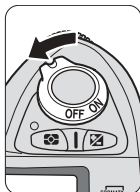
Replacing the battery

The Low Battery-power Indicator blinks when the SU-800's ready-light does not come on within about 30 seconds of turning on the power or after the flash has fired.

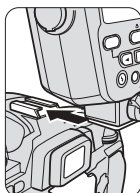
- Replace the battery.

2

Attaching the SU-800 to the camera.



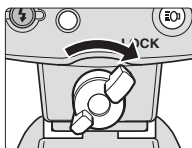
- 1 Ensure the SU-800 and camera body are turned off.



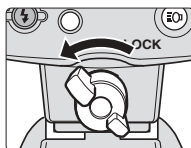
- 2 Rotate the Mounting Foot-lock lever to the left, slide the SU-800's Mounting Foot into the camera's accessory shoe and turn the lock lever to the right.

☑ Mounting Foot-lock lever

To lock the Speedlight in place, turn the lock lever clockwise approx. 90° until it stops. To unlock, turn the lever counterclockwise until it stops.



Lock

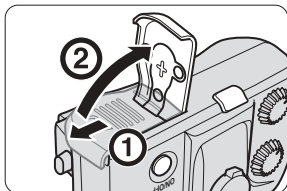


Unlock

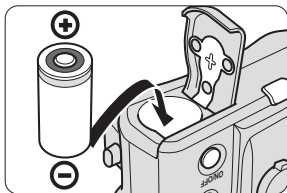
Procedures for close-up flash operation

3

Installing batteries in the SB-R200.

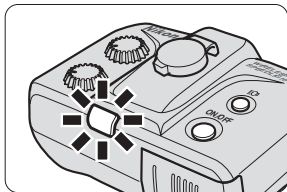


- 1** Slide open the battery chamber lid in the direction of the arrow.



- 2** Install the battery, then close the battery chamber lid by sliding it into place.

Use CR123A (3V) lithium batteries.



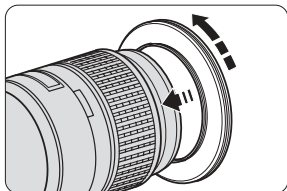
Replacing the battery

When the SB-R200's battery power is weak, the green ready-light blinks after the power is turned on or after the flash has fired.

- Replace the battery.

4

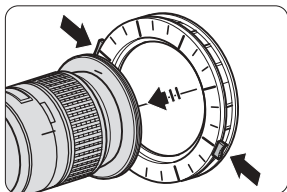
Attaching the SB-R200 to the front of the lens.



1 Attach one of the Adapter Rings to the front of the lens.

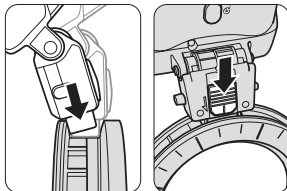
Five types of Adapter Rings with different diameters ($\phi 52\text{mm}$, $\phi 62\text{mm}$, $\phi 67\text{mm}$, $\phi 72\text{mm}$, and $\phi 77\text{mm}$) are provided.

- Turn the Adapter Ring securely until it stops.
- These rings cannot be used together with other lens filters.
- AF Micro-Nikkor 105mm f/2.8D is shown in the illustration.



2 Press the Attachment Ring SX-1's Mounting Buttons on both sides to attach it to the Adapter Ring, then release.

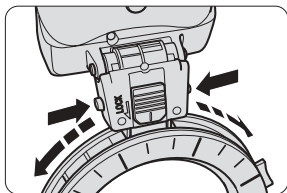
- Make sure that the Nikon logo (p. 24) on the SX-1 is on the under side facing down.
- Use fingers of both hands to press the two Mounting Buttons on both sides to attach the SX-1 securely.
- Make sure that the SX-1 is not attached at an angle. If it is, remove and reattach.



3 Slide the SB-R200's Mounting Foot into the SX-1's Mounting Groove, then slide the lock switch.

The Mounting Foot cannot be inserted in reverse.

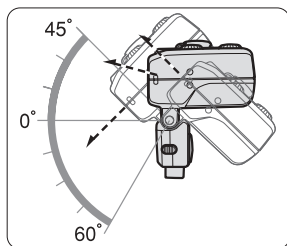
- Slide the lock switch until it stops and make sure that the red part can no longer be seen.



4 Move the SB-R200 slowly by holding down the Release Button on the SB-R200's Mounting Foot. Remove your fingers at the desired position to secure it.

There are click stops every 15° on the Attachment Ring.

Procedures for close-up flash operation



5 Adjust the SB-R200's flash head.

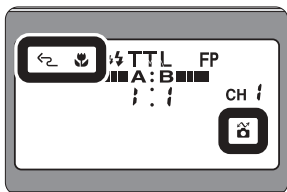
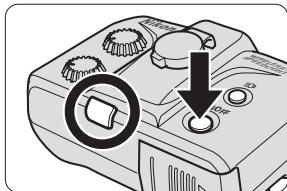
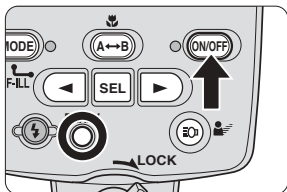
The flash head of the SB-R200 tilts 60° toward the optical axis and 45° in the opposite direction. The flash head can be set at click stops every 15°.

Using the SB-R200 off-lens

Use the provided Speedlight Stand AS-20 to set up the SB-R200 at any location (p. 107).

5

Turning on the camera, the SU-800 and SB-R200.



1 Press the [ON/OFF] buttons to turn on the camera, the SU-800 and SB-R200.

Ensure that the ready-light on the SU-800 comes on.

The ready-light on the SB-R200 lights up in green when the power is on, then turns red when the SB-R200 is fully recycled.

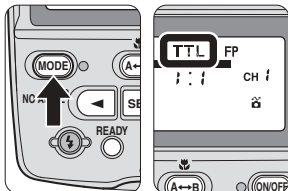
2 Check the indicators on the SU-800's LCD panel.

Confirm that Wireless flash, Close-up mode and CLS-compatible camera indicators are all displayed on the LCD panel (p. 20).

Procedures for close-up flash operation

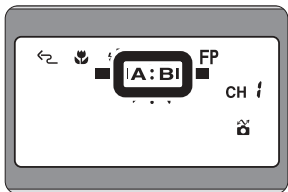


Setting the flash mode on the SU-800.



1 Press the [MODE] button on the SU-800 to set the flash mode to TTL.

Use of TTL mode is recommended for normal flash shooting.



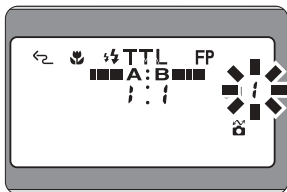
2 Confirm the flash settings of the SB-R200.

Ensure that both Groups A and B are displayed.

- If a Group A or B indicator does not appear, the remote flash unit(s) of this Group will not fire. Press the [A→B] select button to display both Group A and B indicators.



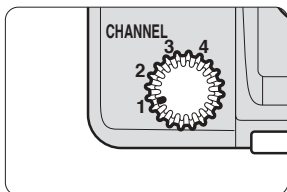
Setting a channel number on the SU-800 and SB-R200.



1 Set a channel number on the SU-800.

Press the [SEL](FUNC.) button to display channel number (blinking). Press the [◀] or [▶] button to change the channel number. Press the [SEL](FUNC.) button again and the channel number will stop blinking. The last channel number to blink is the one that has been set automatically.

- Select one of the four available channels.
- The channel number blinks during adjustment and stops after blinking six times unless an adjustment is made. The last channel number to blink is the one that has been set automatically.



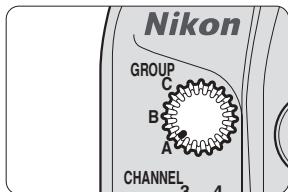
2 Set a channel number on the SB-R200.

Rotate the [CHANNEL] select dial on the SB-R200 to set the same channel number as set on the SU-800.

Procedures for close-up flash operation



Setting a group on the SB-R200.

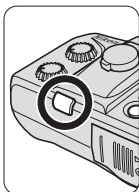
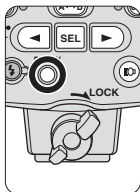


1 Set a group on each SB-R200.

Rotate the [GROUP] select dial on each flash unit to set the group to A or B. Once set, the SB-R200 will operate according to the controls for each group as set on the SU-800.



Compose a picture and shoot with flash.

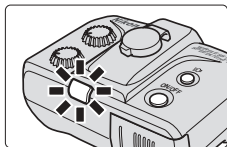


1 Compose the picture and shoot.

Confirm that the red ready-lights on the SU-800 and SB-R200 are on then release the shutter.

- For details on test firing, refer to page 88.

✓ If the red ready-light blinks immediately after shooting



In TTL mode, when the SB-R200 flash has fired at its maximum output and underexposure may have occurred, the red ready-light on the SB-R200 will blink for approx. 3 sec. (The ready-lights on the SU-800 and in the camera's viewfinder do not blink.)

To compensate, set a higher ISO sensitivity or use a wider aperture and reshoot.

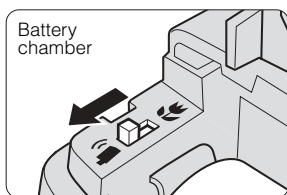
Procedures for Commander flash operation



Setting Commander function on the SU-800.

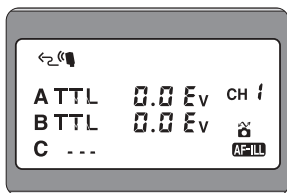
The Commander function enables the SU-800 to act as a Commander unit to trigger remote flash unit(s) without firing itself.

- 1 Install the battery in the SU-800 in the same way as No. 1 in “Procedures for close-up flash operation.” (p. 28)**



- 2 Set the Commander/Close-up select switch on the SU-800 to Commander function.**

Use the Commander/Close-up select switch to change the close-up function to Commander function or vice versa.



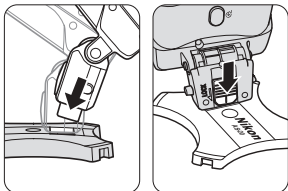
Display in Commander flash operation

- 3 Attach the SU-800 to the camera in the same way as No. 2 in “Procedures for close-up flash operation.” (p. 29)**

2

Setting up the SB-R200.

- 1** Install the battery in the SB-R200 in the same way as No. 3 in “Procedures for close-up flash operation.” (p. 30)

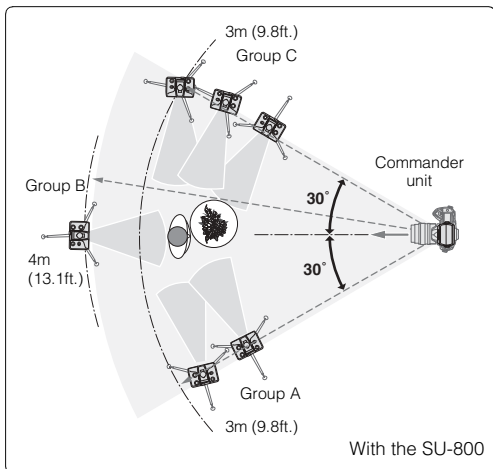


- 2** Slide the SB-R200's Mounting Foot into the AS-20's Speedlight Mounting Shoe and slide the lock switch.

The Mounting Foot cannot be inserted in reverse.

- Slide the lock switch until it stops and make sure that the red part can no longer be seen.

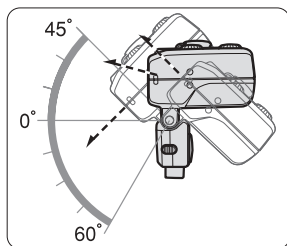
- 3** Set up the SB-R200.



As a basic guide, the effective shooting distance between the Master/Commander unit and the SB-R200 is approx. 4m (13.1 ft.) or less in the front position, and approx. 3m (9.8 ft.) at both sides. These ranges vary slightly depending on conditions and/or ambient light.

- Be sure to place all SB-R200 units that are set in the same group close together.
- The set up range of the SB-R200 units vary depending on the Commander unit (camera, Speedlight, etc.) For details, see your Speedlight or camera's instruction manual.
- For notes on setting up the SB-R200, see “Setting up the SB-R200” on page 108.

Procedures for Commander flash operation



4 Adjust the SB-R200's flash head.

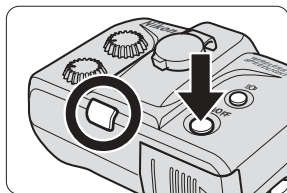
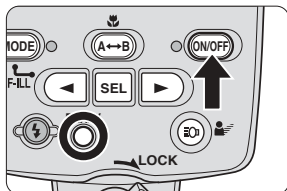
The flash head of the SB-R200 tilts down to 60° and up to 45°. The flash head can be set at click stops every 15°.

📌 Attaching the SB-R200 to the front of the lens

The SB-R200 can be attached to the front of the lens through the Attachment Ring SX-1 (p. 31).



Turning on the camera, the SU-800 and SB-R200.



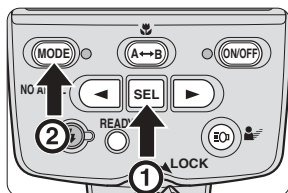
- 1 Press the [ON/OFF] buttons to turn on the camera, the SU-800 and SB-R200.**

Ensure that the red ready-lights on the SU-800 and SB-R200 come on.

Procedures for Commander flash operation

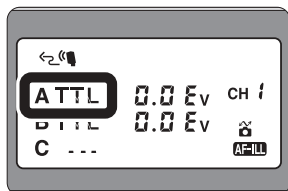


Set the remote flash unit's flash mode on the SU-800.



- 1 Press the [SEL](FUNC.) button to display the flash mode (blinking) of each group, then press [MODE] button to set the flash mode to TTL.**

Use of TTL mode is recommended for normal flash shooting.





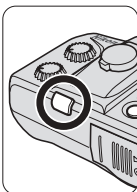
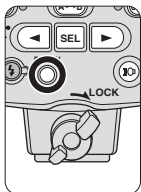
Setting a channel number and a group on the SU-800 and SB-R200.

- 1** Set a channel number and a group on the SU-800 and SB-R200 in the same way as No. 7 and 8 in “Procedures for close-up flash operation.” (pp. 35, 36)

Procedures for Commander flash operation

6

Compose a picture and shoot with flash.

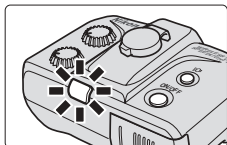


1 Compose the picture and shoot.

Ensure that the red ready-lights on the SU-800 and SB-R200 are on, then release the shutter.

- For details on test firing, refer to page 88.

☑ If the red ready-light blinks immediately after shooting



In TTL mode, when the SB-R200 flash has fired at its maximum output and underexposure may have occurred, the red ready-light on the SB-R200 will blink for approx. 3 sec. (The ready-lights on the SU-800 and in the camera's viewfinder do not blink.)

To compensate, move closer to the subject, set a higher ISO sensitivity or use a wider aperture and reshoot.

Flash operation

using the Nikon Close-up Speedlight Remote Kit R1

(Used with Nikon CLS-compatible cameras)

This section describes the necessary procedures for **wireless close-up flash operation** with CLS-compatible cameras that feature a Commander function and the Nikon Close-up Speedlight Remote Kit R1.

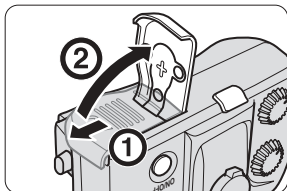
- For details on close-up flash operation, see page 65.

-
- 1** Installing batteries in the SB-R200.
 - 2** Attaching the SB-R200 to the front of the lens.
 - 3** Turning on the camera and SB-R200.
 - 4** Setting the Commander function on the camera.
 - 5** Setting a channel number and group on the SB-R200.
 - 6** Compose a picture and shoot with flash.

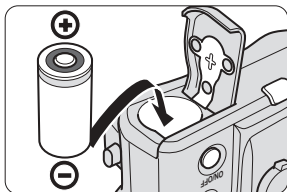
Flash operation using the R1



Installing batteries in the SB-R200.

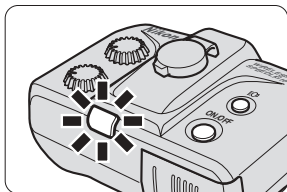


- 1** Slide open the battery chamber lid in the direction of the arrow.



- 2** Install the battery, then close the battery chamber lid by sliding it into place.

Use CR123A (3V) lithium batteries.



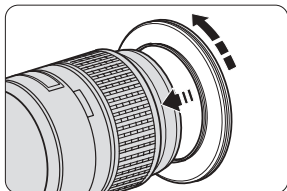
Replacing the battery

When battery power is weak, the SB-R200's green ready-light blinks when the power is turned on or after the flash has fired.

- Replace the battery.

2

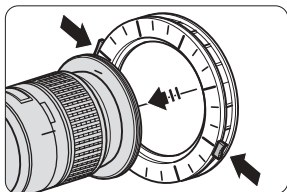
Attaching the SB-R200 to the front of the lens.



1 Attach one of the Adapter Rings to the front of the lens.

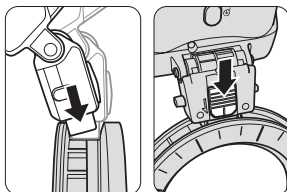
Five types of Adapter Rings with different diameters ($\phi 52\text{mm}$, $\phi 62\text{mm}$, $\phi 67\text{mm}$, $\phi 72\text{mm}$, and $\phi 77\text{mm}$) are provided.

- Turn the Adapter Ring securely until it stops.
- These rings cannot be used together with other lens filters.
- AF Micro-Nikkor 105mm f/2.8D is shown in the illustration.



2 Press the Attachment Ring SX-1's Mounting Buttons on both sides to attach it to the Adapter Ring, then release.

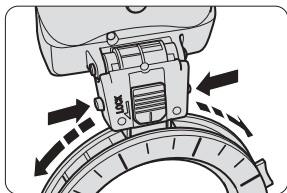
- Make sure that the Nikon logo (p. 24) on the SX-1 is on the under side facing down.
- Use fingers of both hands to press the two Mounting Buttons on both sides to attach the SX-1 securely.
- Make sure that the SX-1 is not attached at an angle. If it is, remove and reattach.



3 Slide the SB-R200's Mounting Foot into the SX-1's Mounting Groove as shown, then slide the lock switch.

The Mounting Foot cannot be inserted in reverse.

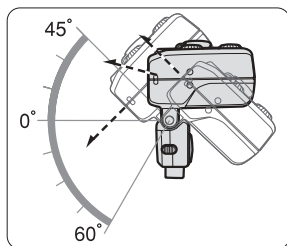
- Slide the lock switch until it stops and make sure that the red part can no longer be seen.



4 Move the SB-R200 slowly by holding down the Release Buttons on the SB-R200's Mounting Foot until it comes to the desired position. Release the Release Buttons to secure.

There are click stops every 15° on the Attachment Ring.

Flash operation using the R1



5 Adjust the SB-R200's flash head.

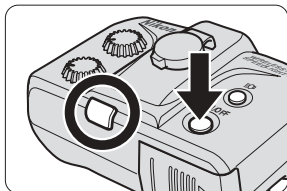
The flash head of the SB-R200 tilts 60° toward the optical axis and 45° in the opposite direction. The flash head can be set at a click stop every 15°.

Using the SB-R200 off-lens

Use the provided AS-20 Speedlight Stand to set up the SB-R200 at any location (p. 107).



Turning on the camera and SB-R200.



1 Press the [ON/OFF] buttons to turn on the camera and SB-R200.

Ensure that the red ready-lights on the camera and SB-R200 come on.



Setting the Commander function on the camera.

1 Set the Commander function on the camera and flash mode on the SB-R200.

- Be sure to read the instruction manual of the camera in use.

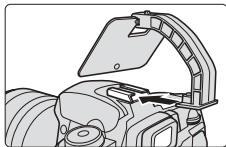
2 Setting the D70-Series digital camera's Commander mode

With a D70-Series camera, go to "19: Flash Mode" from "Custom Settings" and select "Commander Mode."

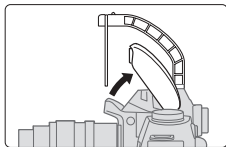
- For more details, see your D70-Series camera instruction manual.

3 Using the IR Panel for Built-in Flash SG-3IR

Built-in flash units on cameras such as the D70-Series fire at reduced flash output levels when used as Commander units. This may slightly affect results if pictures are taken from close distances. To prevent this, use the SG-3IR.



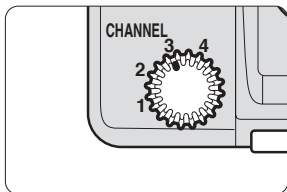
1 Attach the SG-3IR to the camera's accessory shoe.



2 Set up the SG-3IR and the built-in flash unit as shown in the illustration.

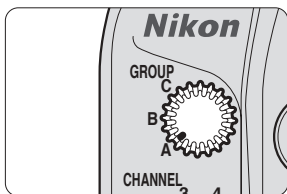


Setting a channel and group number on the SB-R200.



1 Rotate the [CHANNEL] select dial on the SB-R200 to set the channel number.

- Set the channel number of the SB-R200 to 3 when using a Nikon D70-Series digital camera, otherwise the flash will not fire.

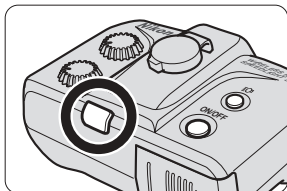


2 Rotate the [GROUP] select dial on the SB-R200 to set the group.

- Set the group of the SB-R200 to Group A when using a Nikon D70-Series camera, otherwise the flash unit will not fire.

6

Compose a picture and shoot with flash.

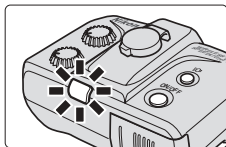


1 Compose the picture and shoot.

Ensure that the red ready-light on the SB-R200 is on, then release the shutter.

- For details on test firing, refer to page 88.

☑ If the red ready-light blinks immediately after shooting



In TTL mode, when the SB-R200 flash has fired at its maximum output and underexposure may have occurred, the red ready-light on the SB-R200 will blink for approx. 3 sec. (The ready-light in the camera's viewfinder does not blink.)

To compensate, set a higher ISO sensitivity or use a wider aperture and reshoot.

Functions and use

of the SU-800

This section describes the functions and use of the SU-800.

-
- 1** SU-800's available flash operations
 - 2** Using the SU-800
 - 3** Functions of the SU-800

1 SU-800's available flash operations

The SU-800 has the following flash operations. Refer to the corresponding pages for details on each flash operation.

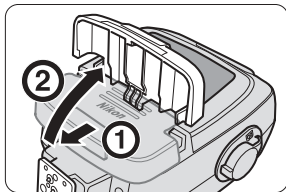
Available flash operation	Usable cameras	Usable Speedlights
Close-up (p. 65)	CLS-compatible cameras Cameras not compatible with CLS* ¹	SB-R200
Commander (p. 79)	CLS-compatible cameras	SB-R200 or SB-800* ² , SB-600* ²

*¹ The optional TTL Cord SC-30 is required (p. 123).

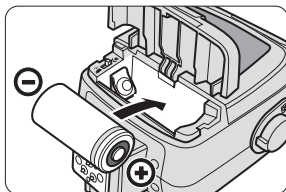
Note: With CLS-compatible cameras, the TTL Cord SC-30 (optional) is not required.

*² Repeating flash operation is possible with the SB-800, SB-600 (p. 93).

2 Using the SU-800

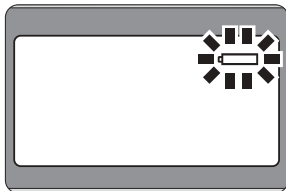


- 1** Slide open the battery chamber lid in the direction of the arrow.



- 2** Install the battery, then close the battery chamber lid by sliding it into place.

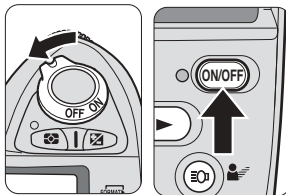
Use CR123A (3V) lithium batteries.



Replacing the battery

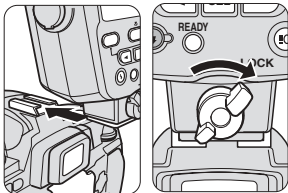
The low battery-power indicator blinks when the SU-800's ready-light does not come on within about 30 seconds of the power being turned on or after the flash has fired.

- Replace the battery.



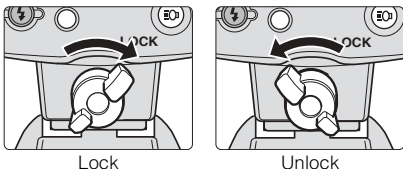
- 3** Turn off the camera and SU-800.

2 Using the SU-800

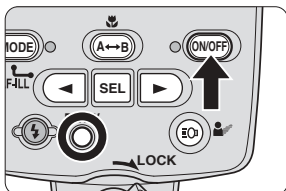


- 4** Rotate the Mounting Foot lock lever to the left, slide the SU-800's Mounting Foot into the camera's accessory shoe and turn the lock lever to the right.

☑ Mounting Foot lock lever

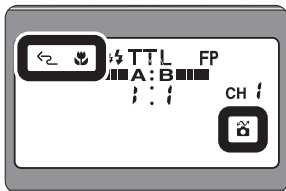


To lock the SU-800 in place, turn the lock lever clockwise approx. 90° until it stops. To unlock, turn the lever counterclockwise until it stops.



- 5** Press the [ON/OFF] buttons on the camera and SU-800 to turn on the power.

- Ensure that the ready-light on the SU-800 comes on.



- 6** Confirm the SU-800's LCD panel.

Ensure that Wireless flash, Close-up mode and CLS-compatible camera indicators are correctly displayed.

● The SU-800's auto power-off function and camera's exposure meter-off function

With a camera body that is compatible with TTL auto flash, the SU-800 goes into standby mode when the camera's exposure meter turns off.

Without a camera body, if the SU-800 is not being used for approx. 40 seconds, the standby function activates and automatically turns the SU-800 off to conserve battery power.

- No indicators are displayed on the LCD panel in standby mode.
- When in standby mode or when the exposure meter is off, the SU-800 comes back on again when:

The [ON/OFF] button on the SU-800 is pressed.

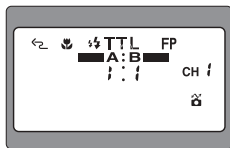
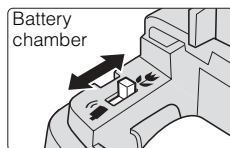
The camera's power is turned on.

3 Functions of the SU-800

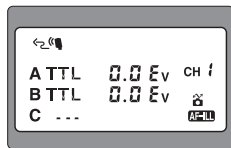
The following functions can be set on the SU-800.

Switching functions between close-up and Commander functions

Use the Commander/Close-up select switch to toggle between close-up and Commander functions.



Display in close-up mode



Display in Commander mode

Settings in each flash mode

In close-up mode (p. 65)

- Flash mode (TTL, M)
- Group name (A, B, C)
- Flash firing/canceling for group A or B
- Flash output-level ratio between groups A and B
- Flash output-level compensation value (in TTL mode)
- Manual flash output level (in M mode)
- Channel number (1, 2, 3, 4)

In Commander mode (p. 79)

- Flash mode of remote flash unit(s) (TTL, AA, M, --- (flash canceled), RPT (Repeating) flash)
- Group name (A, B, C)
- Flash output-level compensation value (in TTL and AA modes)
- Manual flash output level (in M mode)
- Manual flash output level, the frequency, and the number of repeating flashes per frame (in RPT mode)
- Channel number (1, 2, 3, 4)

Functions and use

of the SB-R200

This section describes the functions and use of the SB-R200.

-
- 1** SB-R200's available flash operations
 - 2** Using the SB-R200
 - 3** Functions of the SB-R200

1 SB-R200's available flash operations

The following flash operations are available with the SB-R200. Refer to the corresponding pages for details on each flash operation.

Available flash operation	Usable cameras and Speedlights
Close-up (p. 65)	CLS-compatible cameras Cameras not compatible with CLS*1, SU-800
Commander (p. 79)	CLS-compatible cameras featuring Commander function or SU-800, SB-800

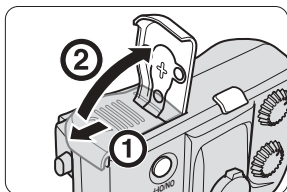
*1 The optional TTL Cord SC-30 is required (p. 123).

Note: With CLS-compatible cameras, the TTL Cord SC-30 (optional) is not required.

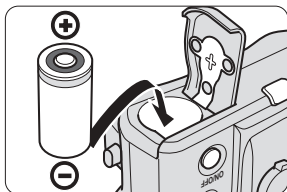
☑ SB-800's Commander mode

In the Commander mode, although the SB-800 is set as the Master flash unit and its flash mode is set to Flash canceled (---), the flash will fire at a reduced flash output level. This may affect the correct exposure of the subject if the subject is close. To limit this effect as much as possible, bounce the light by tilting or rotating the SB-800's flash head.

2 Using the SB-R200

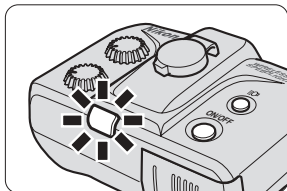


- 1** Slide open the battery chamber lid in the direction of the arrow.



- 2** Install the battery, then close the battery chamber lid by sliding it into place.

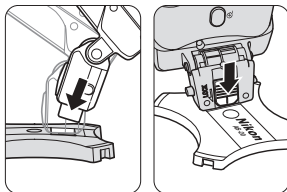
Use CR123A (3V) lithium batteries.



Replacing the battery

When the SB-R200's battery power is weak, the green ready-light blinks after the power has been turned on or after the flash has fired

- Replace the battery.



- 3** Slide the SB-R200's Mounting Foot into the Speedlight Stand AS-20's Speedlight Mounting Shoe and slide the lock switch.

The Mounting Foot cannot be inserted in reverse.

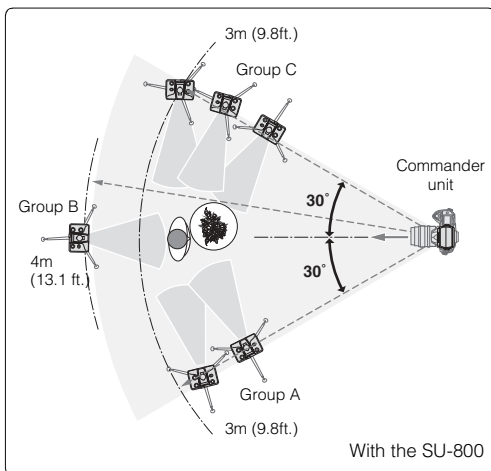
- Slide the lock switch until it stops and make sure that the red part can no longer be seen.

Attaching the SB-R200 to the front of the lens

- The SB-R200 can be attached to the front of the lens using the Attachment Ring SX-1 (p. 31).

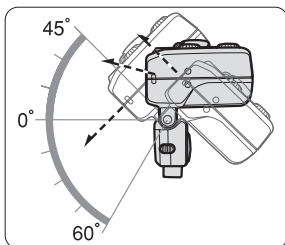
2 Using the SB-R200

4 Set up the SB-R200.



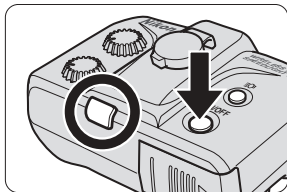
The setup range of the SB-R200 units varies depending on cameras featuring Commander function or Speedlight SB-800. For details, see your Speedlight or camera's instruction manual.

- Be sure to place all SB-R200 units that are set in the same group close together.
- For notes on setting up the SB-R200, see "Setting up the SB-R200" on page 108.



5 Adjust the SB-R200's flash head.

The flash head of the SB-R200 tilts down to 60° and up to 45°. The flash head can be set at click stops every 15°.



6 Press the [ON/OFF] button on the camera, or the SB-800, SU-800 and SB-R200 to turn on the power.

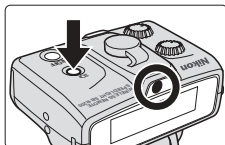
Ensure that the red ready-light on the camera, the SB-800, SU-800 or on the SB-R200 comes on.

3 Functions of the SB-R200

The following functions can be set on the SB-R200.

Switching the Target Light (focus assist lamp) on or off

Use the Target Light button to illuminate or cancel the Target Light (p. 90).



Items to be set

- Group name (A, B, C)
- Channel number (1, 2, 3, 4)

Details on close-up flash operation and shooting procedures

(Used with CLS-compatible cameras)

This section describes in detail **wireless close-up flash operation** and shooting procedures with CLS-compatible cameras. Also read “Close-up Speedlight Photography Examples,” a separate booklet that provides example photos. Be sure to read your camera instruction manual for specific information on camera settings and functions.

-
- 1** Close-up flash operation
 - 2** Overview of close-up flash operation
 - 3** Procedures for close-up flash operation

1 Close-up flash operation

Wireless close-up flash operation is possible when the SU-800 and SB-R200 are used with CLS-compatible cameras. The SB-R200 can be attached to the front of the lens, held in your hand, or freely positioned by using the Speedlight Stand AS-20. The flexibility of close-up flash operation sets it apart from conventional lighting systems.

Example A

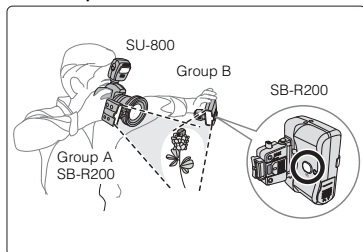


Dual-light close-up flash operation (one flash unit attached to the front of the lens + one held in the hand)

With one SB-R200 attached to the front of the lens, the subject in front is strongly illuminated, while a second SB-R200 held in the hand illuminates the subject from the left to soften harsh shadows and further highlight the subject, in this case a ladybug.

A-1

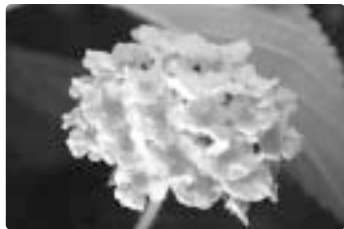
Flash setup



- Camera: D70
- Lens: AF Micro-Nikkor 105mm f/2.8D
- Group A: SB-R200 (TTL)
- Group B: SB-R200 (TTL)

A-2, A-3, and A-4 examples in "Close-up Speedlight Photography Examples" were also taken under the same conditions as with A-1.

Example B

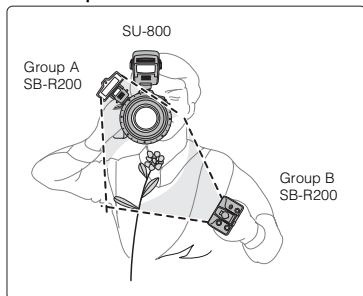


Dual-light close-up flash operation (one flash unit attached to the front of the lens + one held in the hand)

With one SB-R200, held in the hand, used as the main flash unit, the subject is strongly illuminated from the lower left, while a second SB-R200 attached to the front of the lens is used to illuminate the subject from the upper right to emphasize the contours of the flower's petals, resulting in softened textures.

B-1

Flash setup



- Camera: D70
- Lens: AF Micro-Nikkor 60mm f/2.8D
- Group A: SB-R200 (TTL)
- Group B: SB-R200 (TTL)

B-2, B-3, and B-4 examples in "Close-up Speedlight Photography Examples" were also taken under the same conditions as with B-1.

Example E

E-3



- Camera: D70
- Lens: AF-S DX Zoom-Nikkor 18-70mm f/3.5-4.5G IF-ED
- Group A: SB-R200 (TTL)

Dual-light close-up flash operation (one flash unit attached to the front of the lens + one remote unit bounced off the wall)

This picture was taken as an example of how to show cloth texture detail and pattern in such products as children's wear and handicrafts for the purpose of displaying on Internet auction sites. Light and shadows cast due to the difference in flash output levels between flash units on the right and on the left create more natural looking pictures, enabling the real textures of the material to be revealed.

- Group B: SB-R200 (TTL)
- E-4 example in "Close-up Speedlight Photography Examples" was taken under the same conditions as with E-3.

Example F

F-4



F-5



Single-light close-up flash operation

Comparison of lighting effects due to differences in shooting distances. The subject (F-4) is approx. 10 cm (3.9 in.) away from the camera, while subject (F-5) is 70 cm (2.3 ft.) from the camera. The shorter the distance between the subject and camera, the greater the lighting effects, and the longer the distance, the less there are shadows.

- Camera: D70
- Lens (F-4): AF Micro-Nikkor 60mm f/2.8D
- Lens (F-5): AF Micro-Nikkor 200mm f/4D IF-ED
- Group A: SB-R200 (TTL)

