



SPEEDLITE 600EX II-RT



CANON'S FLAGSHIP SPEEDLITE FLASH FOR PROFESSIONAL PHOTOGRAPHERS

Improved Continuous Flash

The Speedlite 600EX II-RT delivers uncompromised performance, making it the perfect companion for the flagship EOS-1D X Mark II. Firing up to 50 per cent more flashes continuously compared with its predecessor, and a 100 per cent increase when used with the new CP-E4N, it ensures you capture even more of the action. The new and improved heat measure technology prevents overheating and allows longer bursts of flashes.

High Output

A guide number of 60m at ISO 100 allows you to creatively light your subject over a wide range of distances and large areas, ideal for capturing the whole congregation at a wedding. Thanks to a wide lens coverage, from 20mm to 200mm, or to 14mm via the built-in adapter, photographers can easily control how light is spread across a subject.

Radio Transmission

For creative illumination, the flash features a wireless slave function, enabling photographers to make the most of off-camera lighting. The radio control function, pioneered by Canon, provides further creative freedom, allowing photographers to build mood and atmosphere into a scene at up to 30m away by simulating multi-directional light. Up to 15 Speedlites can be used together off-camera for dramatic multi-flash photography – great when shooting interiors.



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INCLUDED ACCESSORIES



SBA-E3 BOUNCE ADAPTOR

Note: Can be used
simultaneously with color filter



SCF-E3 COLOUR FILTER SET

SCF-E3OR1

Effective to compensate bluish flash
illumination.

SCF-E3OR2

Effective for optimizing balance
between indoor lighting and flash
output by suppressing reddish tone
of incandescent lamps.



SOFT CASE

Enables storage of flash unit and all
bundles accessories

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TYPE	
Type	E-TTL II/E-TTL autofocus Shoe-mount Speedlite
Compatible cameras	Type-A EOS cameras (E-TTL II/E-TTL autofocus) Type-B EOS cameras (TTL autofocus)
FLASH HEAD	
Guide No	Approx. 60/197 (at 200 mm flash coverage, ISO 100, in meters/feet) * Without bounce adapter or color filter
Flash Coverage	Supports a shooting angle of view with a lens focal length of 20-200mm (with wide panel use: 14 mm) • Automatic setting (Automatically sets the flash coverage depending on the shooting angle of view and the image sensor size.) • Manual setting
Bounce	90° up, 7° down, 180° left, 180° right Dedicated bounce adapter provided
Flash duration	1/1 flash: approx. 1/890 sec. 1/2 flash: approx. 1/200sec. 1/4 flash: approx. 1/2800 sec. 1/8 flash: approx. 1/5600sec. 1/16 flash: approx. 1/9700 sec. 1/32 flash: approx. 1/15000 sec. 1/64 flash: approx. 1/23000 sec. 1/128 flash: approx. 1/34000 sec.
Color temperature information transmission	Flash light color temperature information transmitted to camera when flash is fired
Color filter	2 dedicated color filters provided
EXPOSURE CONTROL	
Exposure control system	E-TTL II/E-TTL/TTL autofocus, Manual flash, Stroboscopic flash, Auto external flash metering, Manual external flash Metering
Effective flash range (with EF50mm 1/1.4 lens at ISO 100)	Normal flash: Approx. 0.5 - 27.8 m / 1.6 - 91.2 ft. Quick flash: Approx. 0.5 - 14.8 m / 1.6 - 48.6 ft. (at Guide No. 20.8/68.2, in meters/feet) High-speed sync: Approx. 0.5 - 14.7 m / 1.6 - 48.2 ft. (at 1/250 sec.)
Flash exposure Compensation	±3 stops in 1/3- or 1/2-stop increments
FEB	±3 stops in 1/3- or 1/2-stop increments (can be combined with flash exposure compensation)
FE lock	Possible with the camera's Multi-function button or FE lock/AE lock buttons
High-speed sync	Possible * During radio transmission wireless shooting, high-speed sync is possible only with EOS DIGITAL cameras released in and after 2012 (except with EOS REBEL T6/1300D and EOS REBEL T5/1200D).
Manual flash	1/1 - 1/128 power (1/3-step increments)
Stroboscopic Flash	Possible (1 - 500 Hz) 1 Hz to 199 Hz during optical transmission wireless shooting
Modeling flash	Fired with camera's depth-of-field preview button or Speedlite's test flash button
FLASH RECHARGE	
Firing interval (Recycling time)	Normal flash: Approx. 0.1 - 5.5 sec., Quick flash: Approx. 0.1 - 3.3 sec. * When using AA/LR6 alkaline batteries
Flash-ready lamp	Lights up in red: Normal flash available Lights up in green: Quick flash available
AF-ASSIST BEAM	
Method	Infrared AF-assist beam
Compatible AF system	TTL second image formation phase-difference AF 1 - 65 AF points (28 mm or longer lens focal length) Supported for viewfinder shooting, and Quick mode for Live View shooting or movie shooting
Effective Distance	At center: Approx. 0.6 - 10 m / 2.0 - 32.8 ft., At periphery: Approx. 0.6 - 5 m / 2.0 - 16.4 ft.
RADIO TRANSMISSION WIRELESS MASTER/SLAVE FUNCTION	
Frequency	2405 MHz - 2475 MHz
Modulation System	Primary modulation: OQPSK, Secondary modulation: DS-SS
Wireless Settings	Master/slave
Transmission channel	Auto, Ch. 1 - 15
Wireless radio ID	0000 - 9999
Slave unit control	Up to 5 groups (A, B, C, D, E), up to 15 units
Slave unit setting	Firing group A, B, C, D, E

RADIO TRANSMISSION WIRELESS MASTER/SLAVE FUNCTION (CONT)	
Transmission distance	Approx. 30 m / 98.4 ft. • When there are no obstacles or obstructions between the master and slave units with no radio interference with other devices • Transmission distance may be shorter depending on the relative positions of the units, surrounding environment, weather conditions, etc.
Flash ratio control	1:8 - 1:1 - 8:1, 1/2-step increments
Charge confirmation	Display panel (master unit): Display contents/illumination color, flash-ready lamp lights up (master unit/slave unit), beep (when C.Fn-20-1 is set on master unit/slave unit), and the AF-assist beam emitter blinks (slave unit) when fully charged
Linked Shooting	Possible
OPTICAL TRANSMISSION WIRELESS MASTER/SLAVE FUNCTION	
Connection method	Optical Pulse
Wireless settings	Master/Slave
Transmission Channel	Ch. 1 - 4
Slave unit control	Up to 3 groups (A, B, C)
Slave unit setting	Firing group A, B, C
Transmission distance	Indoors: approx. 0.7 - 15 m / 2.3 - 49.2 ft., Outdoors: approx. 0.7 - 10 m / 2.3 - 32.8 ft. (at the front)
Flash ratio control	1:8 - 1:1 - 8:1, 1/2-step increments
Charge confirmation	Flash-ready lamp lights up (master unit/slave unit), beep (when C.Fn-20-1 is set on master unit/slave unit), and the AF-assist beam emitter blinks (slave unit) when fully charged
Reception angle	±40° horizontally & ±30° vertically, facing the master unit
CUSTOMIZATION FEATURES	
Custom functions	15 types
Personal functions	6 types
POWER SOURCE	
Speedlite power source	Four AA/LR6 alkaline batteries * AA/HR6 Ni-MH batteries can be used
Number of flashes	Approx. 100 - 700 times * When using AA/LR6 alkaline batteries
Radio transmission wireless shooting time	Approx. 9 continuous hours * When Master flash firing OFF, using AA/LR6 alkaline batteries
Optical transmission wireless shooting time	Approx. 1500 times * When Master flash firing OFF, using AA/LR6 alkaline batteries
Auto power off	Power off after approx. 90 sec. of idle operation * When set as radio transmission wireless master unit, or in linked shooting: approx. 5 min. * When set as slave unit: approx. 60 min.
External power source	Compact Battery Pack CP-E4N can be used
DIMENSIONS AND WEIGHT	
Dimensions (W x H x D)	Approx. 78.7 x 143.2 x 122.7 mm / 3.10 x 5.64 x 4.83 in. (without dust- and water-resistant adapter)
Weight	Approx. 435 g / 15.34 oz. (Speedlite only, excluding batteries)
OPERATING ENVIRONMENT	
Working temperature range	0° C - 45° C / 32° F - 113° F
Working humidity	85 % or less

*All specifications above are based on Canon's testing standards.
*Product specifications and the exterior are subject to change without notice.

For more information visit
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