

SPEEDLITE EL-10

Specifications

Flash					
Compatible Cameras	EOS cameras equipped with a Multi-function Shoe				
Flash Coverage (Focal length; for 35mm full-frame)	14mm				
Guide Number	The maximum Guide No. is approximately 131.2 ft./40m at ISO 100 and 105mm flash coverageWhen the extendable wide panel is pulled out, the flash coverage is 14mm.				
Minimum Flash Output	1/1024 Minimum flash output is 1/128 when set to high-speed sync. Flash output 1/64 or less via expanded setting.				
Continuous Flash count at full output	To level 1: 55 times or more To level 2: 65 times or more				
Flash firing restriction due to temperature increase	Level 1 Level 2 LCD Panel illumination Lit in green blinking green Firing interval (approx.) 10 sec. 45 sec.				

Flash Exposure Compensation	±3 stops, in 1/3-stop or 1/2-stop*1 increments. * The Speedlite's flash exposure compensation takes precedence if flash exposure compensation is performed by both the Speedlite and the camera. Users who prefer to enable flash exposure compensation by the camera should set flash exposure compensation by the Speedlite to 0. *1: Corresponds to exposure level increments on the camera.					
FEB	±3 stops, in 1/3-stop or 1/2-stop*1 increments. * FEB is automatically deactivated after three shots. * Can be used with flash exposure compensation and FE lock. *1: Corresponds to exposure level increments on the camera.					
FE Lock	Supported					
FE Memory	Supported Stores the flash output of E-TTL II / E-TTL autoflash and automatically sets the stored output level if users switch the flash mode to manual flash. * Flash output may vary slightly between E-TTL autoflash and manual flash. Colors may vary between E-TTL autoflash and manual flash under the following conditions: * When the color temperature of the Speedlite light differs greatly from that of ambient lighting and flash exposure compensation is set toward the negative end. * When E-TTL balance is set to [Ambience priority]. Differences in colors between E-TTL autoflash and manual flash may be reduced by taking one of the follow steps: * Using the provided color filter. * Setting white balance to an option other than AWB. * When combined with specific cameras, FE Memory is possible by operating the camera buttons (by using the camera's C.Fn of by custom buttons). * Accessing the FE memory function using camera buttons requires a camera with updated firmware. For details on compatible cameras, refer to the separate camera compatibility list.					
Recharge Time		Battery AA/Alkaline		Quick Flash 0.1–2.2 sec.	Normal Flash	
g	AA/Ni-MH			0.1–1.3 sec.	0.1–1.5 sec.	
	* Using new batteries, based on Canon testing standards					
Recharge Level	Normal Flash State when fully charged and the Speedli without restriction		ed and the Speedlite	can be used		
	Quick F	g in progress	* Machae *No • wh • wh auto • W • W • W	rged intensity. Quick flash firing unen P.Fn-01: Quick nen using a camera oflash. hen used wirelesslihen the manual fla	range of approx. 1/2 under the following conflash is set to OFF. In that does not support It is radio transmission output is set in the	onditions: ort E-TTL II/E-TTL ion.

Wireless Functions via radio transmission

The Speedlite EL-10 can be set to function as a sender or receiver in wireless flash photography using radio transmission

Second-curtain sync
The Speedlite EL-10 supports second-curtain synchronization in radio transmission wireless shooting.

Products supporting "Wireless second-curtain sync via radio transmission"

Accessory Shoe	Compatible Device	Sender	Receiver
	EL-5	Yes	Yes
Compatible with multi-function shoe	EL-10	Yes	Yes
	ST-E10	Yes	-
	EL-1	1	Yes
	600EX II-RT	1	Yes
	600EX-RT –		Yes
Compatible with	430EX III-RT	-	Yes
conventional accessory shoe	MT-26EX-RT	1	-
	ST-E3-RT (Ver. 3)	Yes	-
	ST-E3-RT (Ver.2)	Yes	-
	ST-E3-RT	_	_

Wireless Functions via optical transmission	Not supported
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	Compliance	e standards	IFFF 802 15	4. ARIB STD-	-T66			
				IEEE 802.15.4, ARIB STD-T66 Primary modulation: OQPAK				
	Communication method		,	Secondary modulation: DS-SS				
	Transmission frequency			2405-2475 MHz				
	Channel		Setting: Auto	Channel 1-15 Setting: Auto / Manual				
	Wireless radio ID			0000 to 9999 Setting: Manual				
Communication Functions	Transmission range*1*2			Approx. 98.4 ft. / 30 m				
Communication i unctions	Groups			Up to 5 groups (A-E) * Sender units are set to Group A				
	Number of for commu	possible units nication	Up to 16 units	Up to 16 units of senders and receivers in total				
	Max. sende	er units	Up to 15 * Secondary a	and additional u	nits serve as sub-send	lers		
	Max. receiv	er units	Up to 15					
	*2: Transmiss	ny obstructions betweer ion range may be shorte and weather conditions	er depending on facto					
	Tra	ansmission status	Disp	olay	<link/> lamp	LCD Panel		
			Sender	Receiver	- Linte lamp	2021 4.101		
	Connected		Yes	Yes	On (in green)	Sender, Receiver		
Transmission Status Display	Not Connected		Yes	Yes	Off	Sender, Receiver		
	Too many units/Error		Yes		Off	Sender, Receiver		
	Sub-sender		Yes		On (in green)	Sub Sender		
	Wireless fir	ring control via radio	transmission					
	vincioso ining control via radio trai		E-TTL II / E-T	TL autoflash				
			Manual flash	Manual flash				
Wireless Firing Control	F 1 1 . N 1 1 .		Stroboscopio	Stroboscopic flash				
	Flash Mode	•		E-TTL II / E-TTL autoflash				
			Group firing	g Manual flash				
				Auto external flash metering				
	ALL	Flash metering control	l of all groups (A/R/C)	as if they wer	re a single flash unit	,		
E-TTL II / ETTL autoflash	7122					•		
details	Flash metering control providing the flash ratio set for groups A and B • Flash ratio setting: 8:1 to 1:8 • Flash exposure compensation: +/-3 stops							
	(1) Flash metering control providing the flash ratio set for groups A and B • Flash ratio setting: 8:1 to 1:8 (2) Flash metering control of group C as if it were a single flash unit • Flash Exposure compensation +/- 3 stops Flash exposure compensation can be set for the flash output of (1) and (2) above • Flash Exposure compensation +/- 3 stops					nove		
	ALL	Flash output setting	ng: 1/1024* ^{1,2} to 1/1					
Manual flash details	A+B	· ·	ng: 1/1024*1,2 to 1/1					
	A+B+C Flash output setting: 1/1		-					
	1: Minimum of 1/128 for high-speed sync 2: Speedlites not supporting minimum flash output of 1/1024 fire at a level close to 1/1024 3: When [Sender flash firing] is diabled, a flash output of up to 1/8192 is possible							
Stroboscopic flash	Not suppor		· '	· · · · · · · · · · · · · · · · · · ·				
Doodop.o iidoii	1 tot Suppor							

Group firing details	Enables separate configuration of flash firing control conditions 1-3 below for each groups (A, B, C, D, E), to combine multiple methods of flash firing control. (1) E-TTL II / E-TTL autoflash (2) Manual flash (3) Auto external flash metering For all flash output set for groups A-E above, the same flash exposure compensation can be set. * Flash exposure compensation ±3 stops				
Test flash	Available (Sender/Receiver)				
Modeling flash	Not available				
Modeling lamp	Not available				
Receiver Functionality	Sender unit functions that receivers can control remotely •Remote release •Test flash •Modeling flash*1 * Sub-senders cannot be controlled remotely *1. Modeling flash is only available by using the combination of a camera, not from ther EOS R series or the EOS M series, with a compatible Speedlite as a sender, and using EL-10 as a receiver.				
Information Display					
Туре	FSTN LCD				
Size	Approx. 1.89(H) x 1.04(V) in.				
Display Format	Dot-matrix display				
Dot Count	Approx. 12,000 dots (172 x 72)				
General					
Power source	Battery Pack – 4X AA/LR6 alkaline batteries *AA/HR6 Ni-MH batteries can be used, AA/FR6 lithium batteries cannot be used.				
Battery level indicator	Not Supported				
External power source	Not Supported				
Radio Transmission wireless shooting time	Approx 9 hrs. continuously *Time until the Speedlite turns off with sender flash firing disabled, when using radio transmission wireless * Using new AA/LR6 Alkaline batteries, based on Canon testing standards.				
	AA/LR6 alkaline batteries	Approx 210-1400 times			
Maximum flash count	Size AA Ni-MH batteries	Approx. 260-1700 tin	nes		
Dimensions	Speedlite EL-10	2.8x4.6x3.9 in. (70.6x116.3x98.3mm)			
	Mini stand	2.6x0.4x3.0 in. (66.8	x10.3x75.9mm)		
	Speedlite EL-10	Approx. 287 g	Approx. 10.1 oz		
Weight	Mini stand	Approx. 22g	Approx. 0.8 oz		
	Speedlite Case	Approx. 41 g	Approx. 1.4 oz		
L					

Functions						
	Set in C.Fn-21	Set in C.Fn-21				
Light Distribution	0: Standard	A light distribution setting that balances light distribution and the guide number.				
	1: Guide number priority	Prioritizes illumination at the center of the screen, the periphery may be dark.				
	2: Light distribution priority	Light distribution that reduces peripheral darkness.				

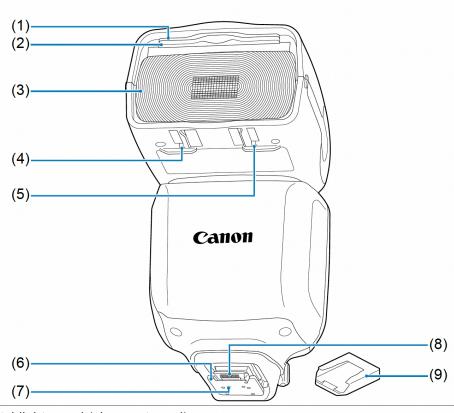
14 Functions

Function	Number	Setting
C.Fn-00: Distance indicator display	0	m (display in meters)
C.Fii-00. Distance mulcator display	1	ft. (display in feet)
C.Fn-01: Auto power off	0	ON (90 sec.)
C.Fii-01. Auto power on	1	OFF
C.Fn-08: AF-assist beam firing	0	ON (enabled)
C.Fii-00. AF-assist beam ming	1	OFF (disabled)
C.Fn-10: Receiver auto power off timer	0	60 min.
C.Fii-10. Receiver auto power on timer	1	10 min.
C.Fn-11: Receiver auto power off timer	0	Within 8 hours
C.Fii-11. Receiver auto power on timer	1	Within 1 hour
C.Fn-13: Flash exposure compensation setting	0	Button and dial
C.Fii-13. Flasii exposure compensation setting	1	Direct setting with the dial
	0	OFF (disabled)
C.Fn-19: FEM (FE Memory)	1	ON (enabled)
C.Fn-21: Light distribution	0	Standerd
3	1	Guide number priority
	2	Even coverage
	0	Stay on for 12 sec. after operation
C.Fn-22: LCD panel illumination	1	OFF Disable panel illumination
	2	ON Illumination always on

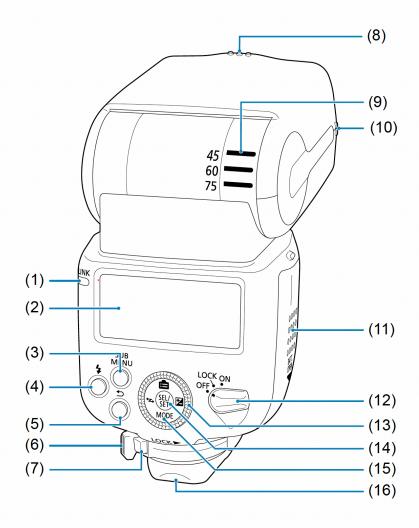
Custom Functions

Personal Functions

Function	Number	Setting
P.Fn-01: LCD Panel Contrast		Display contrast: 5 levels
P.Fn-02: QUICK (Quick Flash)	0	On (enabled)
F.FII-02. QUICK (QUICK Flash)	1	OFF (disabled)
P.Fn-03: LINKED SHOT (FLASH FIRING DURING	0	OFF (disabled)
LINKED SHOOTING)	1	On (enabled)
P.Fn-04: DIRECT (Change settings with dial)	0	OFF (disabled)
, , ,	1	On (enabled)



- (1) Catchlight panel (shown stowed)
- (2) Wide panel (shown stowed)
- (3) Flash head (light-emitting unit)
- (4) Bounce adapter detector
- (5) Color filter detector
- (6) Mounting foot
- (7) Mounting foot locking pin
- (8) Contacts
- (9) Mounting foot cover



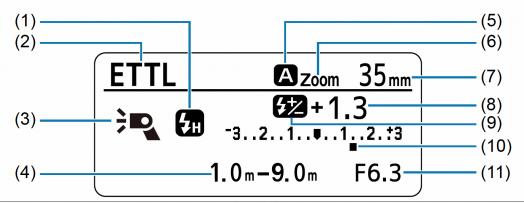
(1)	< LINK > Radio transmission confirmation lamp
(2)	LCD panel
(3)	< sub sub sub menu button
(4)	< \$ > Flash-ready lamp / test flash button
(5)	< ◆> Undo button
(6)	Mounting foot lock lever
(7)	Lock-release button
(8)	Color filter mount
(9)	Bounce angle index
(10)	Bounce adapter mount
(11)	Battery compartment cover
(12)	Power switch

<ON > Power ON <LOCK > Button / dial lock (Power ON)

(13)	< >> Select dial
(14)	< ⊙ > Select/Set button
(15)	< ♦ > Cross keys Menu direct MODE > Flash mode Wireless / linked shooting setting Flash exposure compensation / flash output setting
(16)	Dust-proof and drip-proof adapter

LCD Panel

E-TTL II / E-TTL autoflash

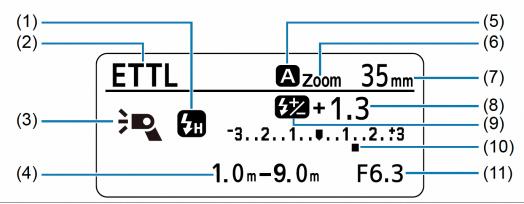


- (1) < ▶> First-curtain sync (normal shooting)
 - < >> > Second-curtain sync
 - < 🖅 > High-speed sync
- (2) < **ETTL** > E-TTL II / E-TTL autoflash
 - < C1> / < C2> / < C3> Custom flash mode*1
- (3) <**;** > Standard
 - <= > Guide number priority
 - <>> > Even coverage
 - <**;** ≥ Bounce
 - < > > Bounce adapter attached
 - < > > Color filter attached
 - < > Temperature increase (flash firing restriction)
- (4) Effective flash range / shooting distance
 - < m > Value in meters
 - < ft > Value in feet
- (5) < CHARGE > Charge indicator
 - < A > Auto
 - < M > Manual
- (6) < **Zoom** > Zoom indicator
- (7) Flash coverage (focal length)
- (8) Flash exposure compensation amount
- (10) Flash exposure level
- (11) < **F** > Aperture value

^{* 1:} The flash mode is identified after the indicator for the current Custom flash mode.

LCD Panel

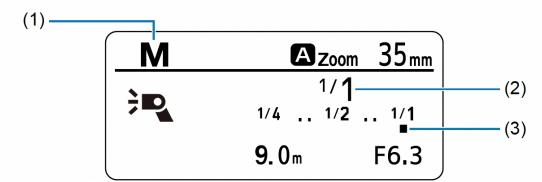
E-TTL II / E-TTL autoflash



- (1) < ▶> > First-curtain sync (normal shooting)
 - < ★ > Second-curtain sync
 - < 🖅 > High-speed sync
- (2) <**ETTL** > E-TTL II / E-TTL autoflash <**C1** > / **C2** > / **C3** > Custom flash mode*¹
- (3) <**;** > Standard
 - <= > Guide number priority
 - < >= > Even coverage
 - < ≯ > Bounce
 - < > > Bounce adapter attached
 - < ; □ > Color filter attached
 - < > Temperature increase (flash firing restriction)
- (4) Effective flash range / shooting distance
 - < m > Value in meters
 - < ft > Value in feet
- (5) < CHARGE > Charge indicator
 - < A > Auto
 - <**M** > Manual
- (6) < **Zoom** > Zoom indicator
- (7) Flash coverage (focal length)
- (8) Flash exposure compensation amount
- (9) < 🔀 > Flash exposure compensation
- (10) Flash exposure level
- (11) < **F** > Aperture value

^{* 1:} The flash mode is identified after the indicator for the current Custom flash mode.

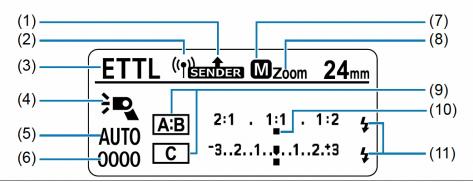
Manual flash



- (1) < M > Manual flash < C1 > / < C2 > / < C3 > Custom flash mode*1
- (2) Manual flash output
- (3) Manual flash level
- * 1: The flash mode is identified after the indicator for the current Custom flash mode.

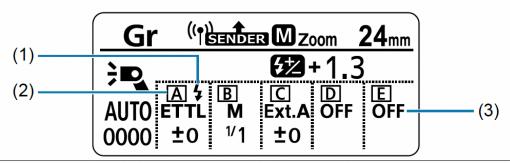
Radio transmission wireless flash photography

Sender unit



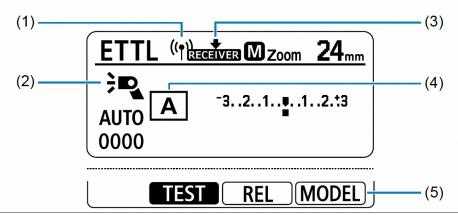
- (1) < SENDER > Configured as a sender
 - < SUB SENDER > Configured as a sub-sender
- (2) < ((**)) > Radio transmission wireless
- (3) Flash mode
 - < ETTL > E-TTL II / E-TTL autoflash
 - < M > Manual flash
 - < **Gr** > Group firing
 - < C1> / < C2> / < C3> Custom flash mode*1
- (4) < ≥ > Sender flash firing ON
 - < Sender flash firing OFF
- (5) < Ch > Transmission channel
 - < AUTO > Transmission channel set automatically
- (6) Wireless radio ID
- (7) < CHARGE > Sender / receiver charge indicator
- (8) < **Tv** > Synchronization speed warning
- (9) Firing group control
- (10) Flash ratio
- (11) < ♦ > Receiver fully charged

^{* 1:} The flash mode is identified after the indicator for the current Custom flash mode.



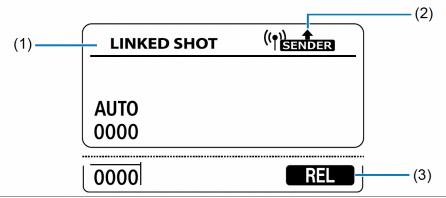
- (1) < \$> Receiver fully charged
- (2) Firing group control
- (3) Group firing mode*1
- * 1: < **Gr** > Group firing only

Receiver unit



- (1) < ((•)) > Radio transmission wireless
- (2) < **; □ >** Receiver
- (3) < RECEIVER > Configured as a receiver
- (4) Firing group
- (5) < TEST > Test flash
 - < REL > Remote release
 - < MODEL > Modeling flash

Radio transmission: linked shooting



- (1) < LINKED SHOT > Linked shooting
 - < C1 > / < C2 > / < C3 > Custom flash mode*1
- (2) < SENDER > Configured as a sender < RECEIVER > Configured as a receiver
- (3) < REL > Release*2
- * 1: The flash mode is identified after the indicator for the current Custom flash mode.
- * 2: < **SENDER** > Only when configured as a sender.