Foreword

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Thank you for your purchase of the **NOEWER** product.

21.6 x 14.7*5 speedlite flash designed for Sony cameras. With TTL auto flash, manual flash, multi flash, and wireless flash modes, it is versatile for variable lighting conditions, thereby improving your overall shooting experience. The following features set it apart from the competition:

- The round head lamp design makes the light spot soft, even and natural, creating more creative light effects. It has 230 LED modeling lamps that project light in the same direction, which is convenient for night shots.
- Maximum flash power of 76W, 61 levels of dimming: 1/1-1/256.
- Professional lithium battery for an optimal experience: 2600mAh Li-polymer battery with an autonomy of 480 flashes at full power, 1.5 seconds fast recharge.
- TTL Flash Compatible with Sony
- Built-in 2.4G wireless X system: Use as a master or slave unit for wireless multi-flash photography, making it easier and faster to shoot.
- Anti-reflex LCD panel: Clear display, easy to operate.
- Built-in 2.4GHz wireless transceiver: Integrated transmitter and receiver with a large radius.
- Comprehensive range of functions for an optimal experience: Supports manual flash, multi flash, high speed sync, hsm/d zoom head, and various modeling lamps.
- Stable output: High-speed continuous flash and color temperature with good even lighting.
- Updatable Firmware for total compatibility: Firmware will be upgraded as the camera is updated.

Precautions

EN

- Always keep this product dry.
- Keep this product out of reach of children.
- Do not disassemble or modify the product.
- Do not subject to any form of physical shock. The product shouldn't be exposed to fire or an environment where the temperature exceeds 45 degrees.
- Do not let the flash directly into the eyes which could result in visual impairment.
- Do not use the product near chemicals, flammable gases or other volatile substances which may cause fire or electromagnetic interference.
- Do not use in the rain or in damp conditions.
- Turn off the product immediately, if it appears to be operating abnormally, and try to troubleshoot the issue.
- Failure to comply with the recommendations and warnings listed in the manual will invalidate the warranty.

Package Contents

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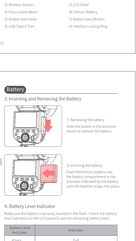
Flash Unit x 1 Lithium Battery x 1 USB Charging Base x 1 Wire Stand x 1

USB Power Cord x 1 Charger x 1 Protective Case x 1 Manual x 1

*Note: Please charge the flash battery with the included original 5V 2A charger to ensure no damage to the charging base and battery.

Product Illustration

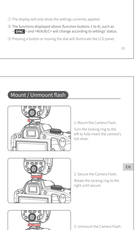
1. Flash Body



① Flash Head
② LED Modeling Lamp(SS-LED)
③ Wireless Sensor
④ Focus Assist Beam
⑤ Rubber port cover
⑥ USB Type-C Port
⑦ Sync Jack
⑧ Hotshoe
⑨ LCD Panel
⑩ Lithium Battery
⑪ Battery Eject Button
⑫ Hotshoe Locking Ring

Product Illustration

2. Control Panel



① HW/SSID/Flash Menu Button/Lock Button
② ▲/▼/◀/▶/Wireless Selection Button
③ Select Dial
④ Set Button
⑤ ON/OFF Power Switch
⑥ ⚡/Test Button / Flash Ready Indicator
⑦ ZOOM+/Focus Length Setting
⑧ HM/SSE/Mode Select Button
⑨ Function Button1
⑩ Function Button2
⑪ Function Button3
⑫ Function Button4

3. LCD Panel

TTL-TTL Auto Flash



① Flash exposure compensation/ output power display
② Wireless signal strength
③ Flash Mode
④ Focus Length
⑤ Flash head rotation angle
⑥ Battery level
⑦ Volume

*The display will only show the settings currently applied.

*Some functions are only available in certain modes (refer to the function table in this manual), such as HW/SSID/+ and change according to settings' status.

To Previous Function or Moving the dial illuminates the LCD panel.

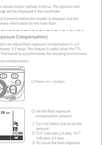
Product Illustration

(1) ❖ Manual Flash



① Manual flash output
② Manual Flash
③ Flash Frequency
④ Number of Flashes

(2) Auto Flash



① Multi-Stroboscopic Flash
② Number of Flashes
③ Flash Frequency

(3) Wireless Transmission Shooting

(4) Transmitter Unit



① Flash group A
② Channel
③ Flash group B
④ Master-Flash Mode
⑤ Slave-Flash Mode
⑥ Flash Ratio
⑦ ON-Wireless Flash ON
⑧ OFF-Wireless Flash OFF
⑨ Receiver Head

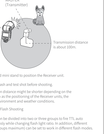
(5) Slave Units



① ON-Wireless Flash ON
② OFF-Wireless Flash OFF
③ Receiver Head

4. Illustrations showing LCD displays (4 modes)

(1) Attached to the Camera



Product Illustration

(2) 2.4G Wireless Transmission As a Transmitter Unit



(3) 2.4G Wireless Transmission As a Receiver Unit



(4) SLSU mode



Battery

1. Features

① This flash unit uses Li-ion polymer battery which boasts a long service life, a high energy density, a low self-discharge rate, no memory effect, and stable. The built-in circuit protects against overcharge, overdischarge, overcurrent, and circuit.
② The battery's charging time is fully charge the battery is 3.5 hours using the charger.

2. Caution

① Do not short circuit.
② Do not throw the battery in water.
③ Keep the battery out of direct sunlight.
④ Do not exceed 24 hours of continuous charging.
⑤ Do not use the battery in a high temperature environment.
⑥ Do not place the battery in a microwave oven.
⑦ Dead batteries should be disposed according to local regulations.
⑧ If the battery is not used for a long time, please ensure it is charged at least every 3 months.

Battery

3. Inserting and Removing the Battery



① Removing the battery
② Slide the button in the direction shown to remove the battery



③ Inserting the battery
④ Insert the lithium battery into the battery compartment in the direction indicated by the battery and until the fastener snaps into place

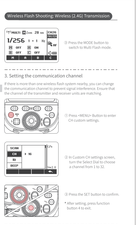
4. Battery Level Indicator

Make sure the battery is securely inserted in the flash. Check the battery level indicator on the LCD panel and the following battery table:

Battery Level Indicator	Bodicators
4 bars	Full
3 bars	Medium
2 bars	Low
1 bar	Very low
Empty bar	Low battery. Please charge as soon as possible
Flashing	Battery is fully discharged and can no longer work. Please recharge the battery as soon as possible. Either charge or replace the battery can be used to a lying perno

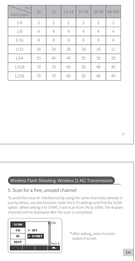
Modeling Lamp

Press the Modeling Lamp set button to activate the modeling lamp mode. Press the ▲/▼ button to adjust the modeling lamp's power. To turn off the modeling lamp, you turn the dial to set the brightness level (0) levels 01-10).



*After setting, press function button 4 to exit.

Mount / Unmount flash



1. Mount the Camera Flash
Turn the locking ring to the "OPEN" position on the camera's hot shoe.

2. Secure the Camera Flash
Rotate the locking ring to the right until secure.

3. Unmount the Camera Flash
Rotate the locking ring to the left to loosen.

Power Management

- The flash's ON/OFF button powers on and powers off the the device. Please remember to switch it off if left unused for a long period of time.
- The flash will enter standby mode if left idle for 8 seconds. To wake the master unit, the flash will automatically wake up when the operation is performed after 30 seconds. Simply half-press your camera's shutter button or press the ⚡/Test button. If the flash is used as a slave unit, the flash will sleep when there is no operation within 60 minutes (or set to 30 minutes alternatively). Press any flash button for 1 to wake up.

Note: 1) When used off the camera, it is recommended that you set the camera's shutter release to pre-release capture mode. 2) Please refer to your camera's instruction manual for how to set it by default. A 30-minute timer can also be applied.

Flash Mode: TTL Auto Flash

The flash has three flash modes: auto flash(TTL), manual flash(M), and multi-flash(M). Press the MODE button to select TTL mode. The camera's metering system to read the light exposure from the subject and automatically adjust flash output to get even exposure of the subject and background. Suitable for most shooting circumstances. High-speed sync, second-curtain shutter sync, etc.

- Press • MODE • Mode Selection Button. The three flash modes will display on the LCD panel in a cycle.

Flash Mode: TTL Auto Flash

1. TTL Mode

Press the MODE• button to select «TTL» to make the flash enter TTL mode.

① Press the camera release button halfway to focus. The aperture and effective flash range will be displayed in the viewfinder.

② A pre-flash is fired momentarily before the shutter is released, and the flash receives camera information for the main flash.

2. FEC(Flash Exposure Compensation)

You can adjust the flash output to control flash compensation at 1/3 step increments between -3 and +3 stops. The default is 0.0 steps. The TTL system needs to be fine-tuned to accommodate the shooting environment.



① Press ◀/▶ button.



① Set the flash exposure compensation value.
② Turn the Select Dial to set the value.
③ "0.0" indicates 1/2 step, "0.3" indicates 2/3 step, "0.7" indicates 3/4 step.
④ To cancel the flash exposure compensation, set the amount to "0.0".



① Press the set button to confirm the setting.

3. HSS: High Speed Sync

High Speed Sync enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture-priority mode in bright conditions.



① Press Function Button 1 (**HSS** will display).



② Check that ⚡ is displayed in the viewfinder.

Flash Mode: TTL Auto Flash

- If the shutter speed is set to a speed slower than the camera's maximum flash sync speed, a slow sync flash will be used automatically.
- With high-speed sync, the faster the shutter speed, the shorter the effective flash range.
- To return to normal flash, press **MODE** • button again. Then a flash will be fired.
- Flash fill-in mode is not available in high-speed sync mode.
- Overtemperature protection may be activated after 10 consecutive high-speed sync flashes.

Set your Sony camera to HEAD flash form within the settings.

M: Manual Flash

The flash output is adjustable from 1/1 full power to 1/256th power in 1/10th step increments.

To rotate a diffuser head manually, use a hand-held flash meter to determine the required flash output.



① Press <MODE> button so that <M> is displayed.



① Turn the Select Dial to set the flash output value.
② Press Set Button again to confirm the setting.

Press function button 2 to adjust the SLSU mode

① SLSU control unit setting

In M manual flash mode, the SLSU function can be used and the flash output can be adjusted. The flash output can be set to be the same synchronized as the main flash or the same effect as that obtained by the use of radio triggers. This helps the photographer create multiple lighting effects.

M: Manual Flash

① Set the flash output value.
② Press the Function Button 3 (**SLSU** will display).
③ Turn the Select Dial to set the value.
④ Press the Set Button to confirm the setting.

Multi: Stroboscopic Flash

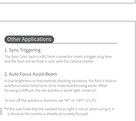
The term stroboscopic flash relates to a rapid series of flashes being fired, or can be set with the frequency and number of flashes. A single flash is discharged.

You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the power.

① Press the <MODE> button so that <MULTI> displays.



② Set the flash frequency and the number of flashes.
③ Press the Function Button 1 (**FREQ** will display). Then, turn the Select Dial to set the value.
④ Press the Function Button 2 (**TIMES** will display). Set the flash frequency. Turn the Select Dial to set the value.



⑤ Turn the Select Dial to set the flash output. Press SET Button to confirm and all settings will be displayed.

Calculating the Shutter Speed:

During a stroboscopic flash, the shutter remains open until the final strobe. Use the formula below to calculate the shutter speed and set it with the camera.

Number of Flashes / Flash Frequency = Shutter Speed

For example, if the number of flashes is 20 and the firing frequency is 5 Hz, the shutter speed should be at least 4 seconds.

Multi: Stroboscopic Flash

- To avoid overheating and deterioration of the flash head, do not use the stroboscopic flash more than 10 minutes continuously. If you try to use the stroboscopic flash more than 10 times in succession, the flash may stop flashing automatically. This is to protect the flash. Please wait approximately 30 minutes before you switch to TTL or M mode.
- Stroboscopic flash is most effective with a highly reflective subject against a dark background.
- It is recommended to use a tripod and a remote control.
- A flash output of 1/2 and 1/2 cannot be set for stroboscopic flash photography.
- Stroboscopic flashes can be used with the "Auto" function.

Maximum number of strobe flashes

1/4	4	4	4	3	3	3	3
1/8	14	14	12	10	8	6	6
1/16	30	30	30	26	20	12	12
1/32	60	60	60	60	60	40	30
1/64	90	90	90	90	80	70	60
1/128	100	100	100	100	100	90	80
1/256	100	100	100	100	100	90	80

	30	15	10/4	25/3	20/2	50/1	100
1/4	2	2	2	2	2	2	1
1/8	8	8	8	8	8	4	4
1/16	8	8	8	8	8	8	4
1/32	20	20	20	20	20	20	20
1/64	50	40	40	30	30	25	25
1/128	70	70	60	50	40	40	40
1/256	70	70	70	60	50	40	40

Wireless Flash Shooting: Wireless (2.4G) Transmission

- "Master unit" refers to the -C1 flash mounted directly on the camera while the wireless(or triggered) -C1 is called the slave unit.
- A -C1 flash in slave mode can also be controlled wirelessly using a -C1(Q)/-C1 TTL transmitter (available separately). Please refer to the manual for the transmitter for more detailed instructions on how to operate the transmitter.
- Specific flashes (masters) (some of the current wireless radio transmission can also be used to obtain wireless flash control in the same way as the -C1 flash. Please refer to the manual for the flash you are using and its wireless function. The Sage Sony camera flash can be a flash unit for TTL or non-TTL auto flash photography.

The slave units can be divided into two or three groups in the TTL auto flash simultaneously when changing flash light ratio. In addition, different flash groups A groups and B groups can be set to work in different flash modes.

① Auto flash shooting with two slave groups.

Wireless Flash Shooting: Wireless (2.4G) Transmission

① Auto flash Shooting with three slave groups

1. Wireless Settings

You can switch between normal and wireless flash modes.



① Select the wireless flash mode (**Master**, **Slave**, **OFF**) and press the Set button.

For further information about how to set the wireless flash mode, please refer to the manual that came with it.



Receiver (Slave) Unit Setting

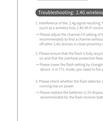
① Select the wireless flash mode (**Master**, **Slave**, **OFF**) and press the Set button.

2. Flash Group Mode Selection

① Press the function buttons 1/2/3/4 to control the MASTER, SLAVE A, SLAVE B groups.

② Taking Function Button 3 as an example, press it and the M mode will appear on the display. Short press it to switch to the flash mode of one of these modes as the master unit's flash mode.

Wireless Flash Shooting: Wireless (2.4G) Transmission



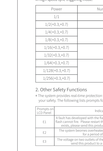
① Press the MODE button to switch to Multi Flash mode.



② Press <MODE> Button to enter On-Custom settings.



③ In Custom On settings screen, turn the Select Dial to choose a channel from 1 to 32.



④ Press the SET button to confirm.

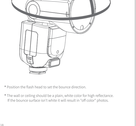


* After setting, press function button 4 to exit.

Wireless Flash Shooting: Wireless (2.4G) Transmission

3. Setting the communication channel

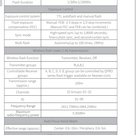
In a wireless environment, wireless flash systems may also can change the communication channel to prevent signal interference. Ensure that the flash and camera are set to the same channel.



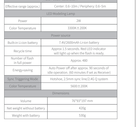
① Press <MODE> Button to enter On-Custom settings.



② In Custom On settings screen, turn the Select Dial to choose a channel from 1 to 32.



③ Press the SET button to confirm.



* After setting, press function button 4 to exit.

4. Wireless ID Settings

In addition to changing the wireless communication channel to prevent signal interference, you can also change the wireless ID to prevent interference from other wireless flashes. Ensure that the transmitter unit and the receiver unit is the same values. Go to C1 FN and choose Wireless ID from 0 to 99. Select OFF to disable the wireless ID.

* After setting, press function button 4 to exit.

Wireless Flash Shooting: Wireless (2.4G) Transmission

1. Scan for a free, unused channel

Use the Auto Channel function to scan for a free channel(it) already in use by another wireless flash. The 2.4 settings and how the SLAVE option. When setting it to START, it will scan from 1% to 100%. The 4 spare channels will be displayed after the scan is completed.

* After setting, press function button 4 to exit.

2. TTL / Fully auto wireless flash

Note: The transmitter (master) unit and the receiver (slave) unit must have the same wireless ID, channel and mode (TTL or M) for the flashes to be fired wirelessly.

Setting up the Wireless Flash with a Single Receiver Unit

Group View is used to view the current settings and independently adjust its TTL mode.)

* Press function button 2(corresponding to A) to select group A, and then press function button 2 again to select TTL/M.—option (turn the dial to adjust power and set flash mode) and then press set button.

① Transmitter Unit Setting

Set the -C1 Flash to Master and on camera as the master unit. (Page 23)

② Receiver Unit Setting

Set the -C1(Q) to be controlled wirelessly as a slave unit. (page 23)

③ Receiver Unit Setting

Set the master unit and the slave unit to the same channel. (Page 24)

④ Position the camera and flashes.

Position the master and the slave unit at close range as shown on Page 22.

⑤ Check if the flash is ready.

Check that the Transmitter flash ready indicator is lit.

⑥ Check the settings.

Press the "Transmitter unit" ▲ test button.

① The Receiver unit should fire. If it doesn't, check the receiver is placed within the operating range.

Wireless Flash Shooting: Wireless (2.4G) Transmission

Using Automatic Wireless Flash with Multiple Receiver (Slave) Units

When a larger flash output is required, you can increase the number of slave units and flash them as a single flash.

To add receiver (slave) units, use the same channel and mode (TTL or M) as the transmitter unit with a single Receiver (Slave) Unit. Any flash group can be set (HSS/SLSU).

You can increase the number of slave units in a group to a maximum of 5 units. Up to 5% automatic control increases that all flashes fire at the same flash output so that the total flash output is increased by the number of slave units.

* If the auto power off of the slave unit has kicked in, press the test button on the transmitter unit. The slave unit will be activated. Please make sure that the flash group you want to flash is selected.

* You can change the delay setting to make the slave units respond with 3 more delay mode (0.2% to 200%)(Page 19).

Using a fully automatic wireless flash

The flash exposure compensation (FEC) and other settings set on the transmitter unit will affect the slave units. The FEC on the slave units in the slave unit is not required. The following settings can be used for shooting with no flash in the same way as for normal flash shooting.

* Flash Exposure Compensation (Page 20)

About Transmitter Unit

Two or more master units can be used. By configuring multiple cameras with different master units, you can shoot from various angles while maintaining the same lighting balance for each.

7. M: Manual Wireless Flash Shooting

Shooting with manual flash with no (no multi-flash) allows you to set the flash output manually. For more details on wireless shooting, the instructions need to be set on the master control unit.

① Press the function button 3 (**SLSU** will display).

② To set the flash output

Press the function button 1/2/3/4 (**MASTER**, **SLAVE A**, **SLAVE B**) to set the flash output of the groups. Press the Set button to confirm.

Wireless Flash Shooting: Wireless (2.4G) Transmission

① Setting the Flash Mode

You can directly operate the Receiver unit to manually set the manual flash or stroboscopic flash.

① Setting the Receiver unit.
② Setting a flash mode to <M>.
③ Press <MODE> button so that <M> displays.
④ Set the manual flash output.

8. Multi: Wireless Flash Shooting

① Set the <MULTI> strobe mode.
② In the main control screen mode, press the Function Button 1 to enter the flash frequency setting. Set the strobe flash setting in the main control screen mode.

Wireless Flash Shooting: Wireless (2.4G) Transmission

③ Press the Function Button 2 to enter the flash number setting. Set the flash number.
④ Press the Set button to confirm the setting.

Troubleshooting: 2.4G wireless flash shooting

1. Interference of the 2.4g signal resulting from external factors (such as a wireless hub, a Wi-Wi moving, Bluetooth equipment, etc.)
→ Please adjust the channel CH setting of the transmitter-#2-3, or change the location of the flash and camera to reduce the effect of the 2.4G devices in close proximity while working.

2. Please ensure that the flash is fully recycled, the flash-ready indicator is on and that the overheat protection feature hasn't been triggered.
→ Please lower the flash setting by changing to manual mode (M) if the device is in TTL mode, you need to fire a pre-flash)

3. Please check whether the flash detector and the receiving device are running low on power.
→ Please replace the batteries (LI-ion disposable alkaline batteries are recommended for the flash receiver battery)

Other Applications

1. Sync Triggering

Connect the flash to a 3.5mm connector. Insert a trigger plug here and the flash will be fired in sync with the camera shutter.

2. Auto Focus-Assist Beam

In low-brightness or low-contrast shooting situations, the flash's built-in auto focus-assist beam will project a pattern of light to assist the focusing of the lens. It is also autofocus-assist light in darkness.

To turn off the autofocus function, set "AF" to "OFF" in C-Fn.

* If the user finds that the assisted focus light is not on when using it, it is because the camera is already in focus.

Distance	Optimum Lense
Center	0.6.10m / 2.0-32.8 feet
Periphery	0.6.5m / 2.0-16.4 feet

3. Zoom Flash

By zooming the flash head toward a wall or ceiling, the flash focuses off the surface before illuminating the subject. This can soften shadows and provide more even illumination over a large area. This is commonly known as a 'bounce flash'.

Position the flash head to set the bounce direction.

* Position the flash head to set the bounce direction.

* The wall or ceiling should be a plain, white color for high-reflectance. If the bounce surface isn't white it will result in "off-color" photos.

Other Applications

4. ZOOM: Set the flash coverage

The flash coverage can be set automatically or manually. It can be set automatically by setting the zoom to "AUTO" and the flash will adjust the focal length changes with the camera's zoom lens to provide the best flash effect.

① In Manual Zoom mode, press the <ZOOM+> button.

② Turn the Select Dial to change the flash coverage and the set automatically.

* If you set the flash coverage manually, make sure it covers the lens focal length so that the picture will not be darkened.

① If the battery power is low, the flash will recycle at the speed. Please replace the battery as soon as possible.

C-Fn: Setting Custom Functions

Custom Functions	Function	Setting No.	Factory-set Value
BOOT	Beeper	ON	on
		OFF	off
LIGHT	Backlight Duration	15sec	Off in 15 sec
		OFF	Always Off
		ON	Always on
LCD	LCD contrast ratio	0~10	7 levels
SHT	Flash distance	0.50m	1.00m flash
		0.01m	10.00m flash

Custom Functions	Function	Setting No.	Factory-set Value
AUTO	Distance indicator display	m	m
		feet	
AF	AF-assist beam	ON	on
		OFF	off
ZOOM	Auto zoom setting	ON	on
		OFF	off
SLOW	Receiver auto power-off time	30min	30min
		60min	60min
		OFF	off
ID-Fn	Scan for idle channels	START	Start searching for idle channels
CH	Channel setting	1~32	Factory-set to 1
ID	Wireless ID	OFF	Off
		1~99	Factory-set to 1 from the ID

Protection Function

1. Over-Temperature Protection

① To prevent the main flash head from overheating and overheating, it is recommended not to fire more than 30 continuous flashes in full power mode (1/1) or 1/2 power mode. Otherwise, the flash may be overheated, and the flash will stop working. The flash will be activated.
② If you fire more than 30 continuous flashes and then fire more flashes on short intervals, the internal temperature of the flash head may be activated. The recycling time will be longer (over 10s). If this occurs, turn off the flash and allow it to cool down for at least 10 minutes for the flash unit to operate normally.

Number of flashes that will activate over-temperature protection:

Power	Number of Flashes
1/1	30
1/2-1/4	50
1/2-1/8	90
1/2	100
1/4-1/4.5	60
1/4-1/4.5	100
1/4-1/4.5	150
1/32-1/4.5	500
1/64-1/4.5	1000
1/128-1/4.5	1000
1/256-1/4.5	1000

Number of flashes that will activate over-temperature protection in high-speed sync triggering mode:

Power	Number of Flashes
1/1	15
1/2-1/4	25
1/4-1/4.5	50
1/8-1/4.5	70
1/16-1/4.5	80
1/32-1/4.5	40
1/64-1/4.5	50
1/128-1/4.5	50
1/256-1/4.5	50

2. Other Safety Functions

* The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference:

Prompt on LCD Panel	Activities
E1	A fault has developed with the flash's recycle system so that the flash cannot fire. Please reset the flash unit. If the problem still exists, please contact your dealer or the manufacturer for assistance.
E2	The temperature of the flash head is too high. Please turn off the flash and allow it to cool down.
E3	The voltage level of the battery is too low to charge. Please check that the product is maintained in working order.

Technical Data

Model	21.5
Compatible Camera	Sony Digital Single-Lens Reflex Camera
Power(LI-Ion)	2600mAh Li-polymer battery
Flash Coverage	20to105mm
	Auto zoom: From coverage an automatic(As to each the lens focal length and image size)
	Manual zoom
Flash Duration	1/1 full power: 1/880s; 1/256 full power: 1/20000s
Flash Recycle Time	1.5 seconds (with a fully charged battery)
Flash Control	TTL auto/flash and manual flash
Color temperature	5600K±200K (1/1 full power)
Sync mode	High-speed sync, second-curtain sync
Modeling Lamp	Modeling lamp power adjustment, 10Hz
Wireless Flash Function	2.4G Wireless System
Wireless flash function	Master, Slave, Transmitter, Receiver, Off
Transmitter groups	Multi(C)
Wireless channel	1, 2, 3, 4, 5, 6, 7, 8 groups can be controlled by GP4U wireless flash trigger available on Neewer.com)
Wireless ID	1-99
Channels	32 Groups (1~32)
Range	100m
Frequency Range	2412.75MHz-2484.25MHz
Compatibility	Sony Digital Single-Lens Reflex Camera
Effective range (approx.)	Center: 0.6-10m / Periphery: 0.6-5m
	(1/1 Modeling Lamp)
Power	5W
Color Temperature	5500K±200K
	Tested in a dark environment
Built-in Li-ion battery	7.4V/2600mAh Li-ion battery
Recycle Time	Approx. 1.5 seconds (with a fully charged battery)
Number of Flashes in Full power	Approx. 480
Energy-saving	Auto Power off after approx. 90 seconds of no operation, 30 minutes if set in Menu
Auto Toggling Mode	Hotshoe, 2.4GHz wireless, TTL/HSS System
Auto Thyristorized	2400K±200K
	Tested in a dark environment
Volume	78*54*107 mm
Net weight without battery	420g
Weight with battery	510g

List of compatible cameras

Neewer flash units support the following models of SONY digital cmaga:

ILCE-1	ILCE-7M4	ILCE-7CM2	ILCE-7C	ILCE-7M3	ILCE-7M2	ILCE-7	ILCE-7R
ILCE-7RM5	ILCE-7RM4	ILCE-7RM3	ILCE-7RM2	ILCE-7S	ILCE-7SM3	ILCE-6700	ILCE-6600
ILCE-6500	ILCE-6400	ILCE-6300	ILCE-6100	ILCE-6000	ILCE-5100	ILCE-5000	

Note: This table only lists the camera models that have been tested at present, and does not cover all Sony camera cameras. Other camera models can be tested by users.

Firmware upgrade

EN

The firmware of this product can be upgraded through the USB port. The latest software version,timeline and instructions will be published on the official website.

* If your computer does not come with a USB cable for the firmware upgrade. Please purchase separately. The USB end of this product is Type-C port. Please use a USB Type-C cable.

* Upgrading the firmware requires Newest Firmware(Software) support. Please download it and install "Neewer Firmware Updater", and then select the corresponding model to upgrade.

* As the product is undergoing a firmware upgrade, please refer to the instructions provided at the manual.

Troubleshooting

EN

If you encounter any problem with the device, please refer to the corresponding solution.

1. The Camera Flash does not fire

① The camera's flash is not attached securely to the camera.
→Attach the hot-shoe base mount of the flash securely to the camera.
② The camera's shutter release is set to pre-release capture mode.
→Set the camera's shutter release to normal capture mode.
③ ⚡ flash ready indicator is off.
→Wait for the flash ready indicator to turn on. ⚡ flash ready indicator is on.
④ The flash ready indicator blinks as a fast rate after a long period of time.
→Only shorten the battery power is sufficient. If the battery is low, turn off the flash and recharge or replace the flash batteries. (please refer to battery's instructions).

2. Auto power off

① To conserve power after operation, auto power-off will have activated if the device is set to "Activate" (Page).
→Press your camera's shutter release or press any flash button for approximately 30 seconds.
② After 60 minutes (or 30 minutes) of idle operation, the flash unit will enter sleep mode.Fn it is set as Number (Down).
→Press any flash button to wake up.

3. Auto zoom does not work

→Ensure the flash head is locked securely to the camera.
→Attach the camera flash's mounting foot to the camera.

4. The flash exposure is underexposed or overexposed.

① Too small high-speed Sync.
→With high-speed sync, the effective flash range will be shorter. Make sure the subject is within the flash's effective range.
② Low Manual Flash mode.
→Set the flash mode to TTL or modify the flash output.

5. The flash exposure is overexposed. (The subject are illuminated)

① The flash range is too close to the flash's minimum range.
→Check the flash length that has been set. The flash unit has the flash exchange between 16 and 200mm, which fits most on Normal cameras.