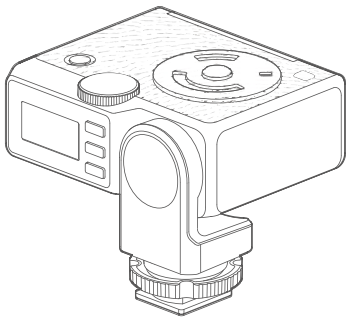




LUX JUNIOR II

Instruction Manual

Important Safety Instructions

This product is professional photographic equipment and should only be operated by professional personnel.

All transport protective materials and packaging must be removed before use.

The following basic safety precautions must be followed when using this product:

1. Carefully read and fully understand the instruction manual before use and strictly follow the safety instructions. Failure to do so may result in serious injury, damage to the product, or other property damage.
2. High voltage exists when the flash is powered on. Internal capacitors remain charged after the unit is powered off. Do not disassemble or touch any internal circuitry.
3. This product is a professional lighting fixture. Children are prohibited from using it. Children must be closely supervised by adults when approaching the fixture to prevent collisions or unauthorized use that could cause personal injury.
4. This is not an ordinary lighting fixture and must not be used for general illumination. Anyone with a history of eye damage or eye sensitivity should avoid using this fixture or looking directly at it.
5. Use with extreme caution. Do not touch high-temperature areas such as the flash tube and surrounding metal components to avoid burns.
6. Do not point the flash directly at the eyes (especially baby's eyes) under any circumstances, as this could impair vision in a short time. If eye discomfort occurs, turn off the device immediately, stop using it, and seek medical attention promptly.
7. If the flash tube is damaged or thermally deformed, stop using immediately and contact the manufacturer, service agent, or qualified repair personnel for replacement to prevent accidents.
8. Do not use damaged equipment or accessories. Allow professional repair technicians to inspect and confirm normal operation before continuing use.
9. Stop using immediately if the product shell is cracked due to falling, squeezing, or strong impact. Avoid touching internal electronic components to prevent electric shock.
10. This device is not waterproof. Keep it dry and avoid immersing it in water or other liquids. Install in a ventilated, dry location and avoid use in rainy, humid, dusty, or overheated environments. Do not place items above the device or allow liquids to flow inside to prevent danger.

11. Do not disassemble without authorization. If the product malfunctions, it must be inspected and repaired by the company or authorized repair personnel.
12. Before storing the device, ensure it is completely cooled down. Unplug the power cord (if any), and store in the protective case or a ventilated dry location.
13. Do not place the device near alcohol, gasoline, or other flammable volatile solvents or gases such as methane and ethane.
14. Do not use or store this device in potentially explosive environments.
15. Do not use accessories not approved by the company to avoid fire, electric shock, or personal injury.
16. Clean with a dry, soft cloth. Do not use a wet cloth as it may damage the device.
17. This instruction manual is based on rigorous testing. Design and specifications are subject to change without notice. Visit the official Godox website to view the latest electronic manual and product information.
18. This product has a built-in lithium battery. Use only the included USB-C cable with a 5V/2A adapter (sold separately) and follow proper operating instructions within the rated voltage and temperature range.
19. This product is powered by lithium batteries. Lithium-ion batteries have a limited lifespan, typically lasting 300-500 complete charge-discharge cycles. As usage frequency and duration increase, the maximum storage capacity will gradually decrease, which is a normal phenomenon. Check the battery condition regularly. If charging time significantly increases or battery life significantly decreases, consider replacing it with a new battery .
20. Battery storage recommendations: Before storage, charge or discharge the battery to approximately 50%. Perform a maintenance charge at least once every 6 months to bring the charge level back to approximately 50%. Failure to perform maintenance charging for an extended period may cause the battery to suffer permanent performance degradation or become unusable due to excessive discharge. Removable batteries should be stored separately. Storage temperature should be between 0°C and 40°C.
21. When using lithium battery-powered products, please note the following:
 - Do not disassemble, crush, or puncture the battery
 - The battery is not waterproof; do not immerse it in fog or water
 - Avoid short-circuiting the battery contacts
 - Do not expose the battery to or place it near fire

- Do not expose the battery to temperatures above 60°C
- Keep the battery out of reach of children
- Protect the battery from excessive shock or vibration
- Do not use a damaged battery
- If the battery leaks, avoid contact with the leaking fluid
- If battery fluid contacts eyes, rinse immediately with water for at least 15 minutes. Lift eyelids until there are no signs of fluid and seek medical attention promptly

22. Replace the battery only according to the instructions in this manual. Using a battery not specified in this manual may result in overheating, fire, or explosion.
23. Confirm and comply with all relevant local laws and regulations when handling any batteries.
24. The warranty period for this device is one year. Consumables such as batteries, adapters, power cords, and other accessories are not covered by the warranty.
25. Unauthorized repairs will void the warranty and incur repair charges.
26. Failures from improper operation are not covered under warranty.

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Foreword

Thank you for choosing Godox products!

Lux Junior II combines a retro design with modern technology. Compatible with Fujifilm, Canon, Nikon, Olympus, Panasonic, and Sony cameras, it is a professional-grade retro flash that blends classic aesthetics with digital intelligence.

- Lux Junior II S: For Sony cameras
- Lux Junior II C: For Canon cameras
- Lux Junior II N: For Nikon cameras
- Lux Junior II F: For FUJIFILM cameras
- Lux Junior II O: For Olympus and Panasonic cameras

Main Features

Multi-Angle Adjustment: 0°-90°-180° Base for Horizontal / Vertical Shooting; Flash Head 30°-90° Bounce Flash.

Off-Camera Triggering: Built-in Godox 2.4G Wireless X System receiver module. Switchable between Wi-Off and Receiver modes. Supports S1/S2 photocell triggering.

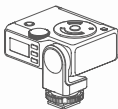
TTL Flash: Auto-detects ambient light, precisely matches flash output.

AUTO Flash: Retains AUTO Mode & Sync Terminal, compatible with various film cameras.

Universal Hot Shoe: One unit compatible with multiple camera brands.

Efficient Power: Built-in lithium battery. Recycle time as fast as 1.5 seconds at full power on a full charge. Approx. 400 flashes on a full charge.

What's Inside



Flash Body × 1



USB-C Cable × 1



Storage Bag × 1



MA02 Magnetic Color
Filter (1/2 orange) × 1



MA02 Magnetic Color
Filter (1/1 orange) × 1



MA02 Magnetic
Diffuser × 1



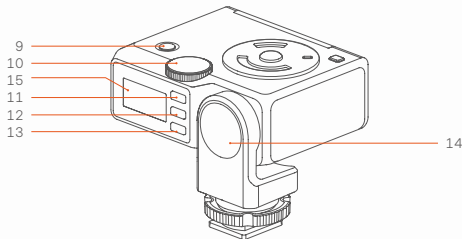
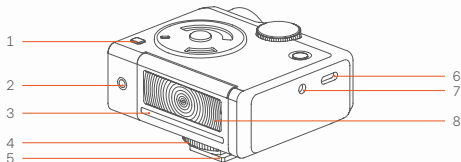
Instruction
Manual × 1

Separately Sold Accessories



Sync Cable

Names of Parts



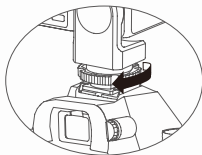
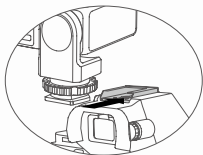
1. Photocell Sensor
2. Auto Metering Sensor
3. Magnetic Accessory Mount
4. Hot Shoe Locking Ring
5. Multi-interface Hot Shoe
6. USB-C Port (Charging/
Firmware Upgrade)
7. 2.5mm Sync Cord Jack
8. Flash Head

9. < ⚡/⏻ > Test/Power Button
10. Select Dial
11. < SET > Setting Button
12. < MENU > Menu Button
13. < MODE > Mode Button
14. Base Pivot
15. Display Screen

Installing and Removing the Flash

Ensure both devices are powered off before installation or removal.

Installation: Turn the hot shoe locking ring clockwise to the top. Slide the hot shoe into the camera hot shoe interface, then turn the ring counterclockwise to lock.

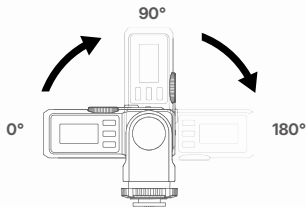


Removal: Turn the lock ring clockwise to unlock, then pull the flash out horizontally.

Angle Adjustment

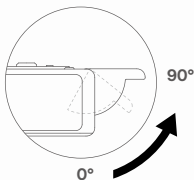
• Base Adjustment

Swing the flash body left and right along the base pivot to adjust the angle (0°, 90°, 180° three positions).



• Flash Head Adjustment

Lift the flash head to adjust the angle (30°, 45°, 60°, 75°, 90° five positions).



Power Management

• Power On/Off

Power On: Long press the <  > button. When the unlock icon appears on the screen, rotate the dial to unlock and power on as prompted. If no unlock action is performed within 6 seconds, the device will automatically power off. (This function can be disabled in the menu. When disabled, long press the <  > button to power on directly.)



Power Off: Long press the <  > button until the screen turns off.

• Battery Indication

The battery icon is displayed in the top right corner of the screen. Refer to the table below for details.

Icon	Status
3 bars	Full
2 bars	Middle
1 bar	Low
No bar	Low battery, please recharge promptly
Full screen low battery symbol	The device will shut down. Be sure to complete charging within 10 days to prevent the battery from irreversible performance degradation caused by over-discharge

• Charging

Use the included USB-C cable to connect to a 5V/2A power adapter (sold separately) for charging.

Operation Mode

• Wi-Off Mode

The flash is used mounted on the camera hot shoe. This mode supports TTL/M/Multi/AUTO four flash modes.

- ① Press the <MENU> button to enter the menu.
- ② Rotate the dial to select "Shooting Mode," press <SET> button to enter.
- ③ Rotate the dial to select "  " Wi-Off mode, press <SET>button to confirm and return.
- ④ Press <MENU>button to return to the main interface.
- ⑤ Press <MODE> button to switch TTL / M / Multi / AUTO flash modes.

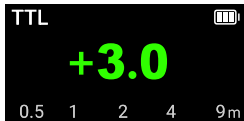
1. TTL Auto Flash

The camera's metering system detects the flash reflected from the subject and automatically adjusts the flash output so that the subject and background are evenly exposed. In this mode, a pre-flash is fired the moment before the shutter is released, and the flash receives camera information for the main flash.

FEC Setting: Set using the dial.

Range: -3.0 to +3.0

Increment: 1/3



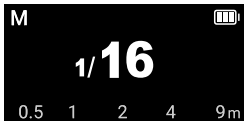
2. M Manual Flash

Manually adjust flash output power. To obtain correct exposure, use a handheld flash meter to determine the required flash output. This mode supports S1 / S2 photocell triggering.

Output Power Setting: Set using the dial.

Range: 1/128 to 1/1

Increment: 1/3



Practical Table in M Mode

Shooting Distance(m) Aperture Value GN Value	2	2.8	4	5.6	8	11	16
60	30	21.4	15	10.7	7.5	5.4	3.8
42.4	21.4	15	10.7	7.5	5.4	3.8	2.7
30	15	10.7	7.5	5.4	3.8	2.7	1.9
21.2	10.7	7.5	5.4	3.8	2.7	1.9	1.3
15	7.5	5.4	3.8	2.7	1.9	1.3	0.9
10.6	5.4	3.8	2.7	1.9	1.3	0.9	0.7
7.5	3.8	2.7	1.9	1.3	0.9	0.7	0.5
5.3	2.7	1.9	1.3	0.9	0.7	0.5	0.3
3.8	1.9	1.3	0.9	0.7	0.5	0.3	0.2
2.7	1.3	0.9	0.7	0.5	0.3	0.2	0.1
1.9	0.9	0.7	0.5	0.3	0.2	0.1	
1.3	0.7	0.5	0.3	0.2	0.1		
1	0.5	0.3	0.2	0.1			

GN Value ISO value Flash Power	50	100	200	400	800	1600
1	10.6	15	21.2	30	42.4	60
1/2	7.5	10.6	15	21.2	30	42.4
1/4	5.3	7.5	10.6	15	21.2	30
1/8	3.8	5.3	7.5	10.6	15	21.2
1/16	2.7	3.8	5.3	7.5	10.6	15
1/32	1.9	2.7	3.8	5.3	7.5	10.6
1/64	1.3	1.9	2.7	3.8	5.3	7.5
1/128	1	1.3	1.9	2.7	3.8	5.3

Photocell Triggering (S1/S2): The light sensor monitors ambient light changes and triggers the flash to fire. Can be set in the menu.

Mode	Applicable Scenario	Trigger Condition
S1 Normal Optical Control	M manual flash environment	Triggers synchronously with the first flash of the main flash
S2 Anti-Pre-flash	TTL auto flash environment	Ignores the main flash's TTL pre-flash, triggers synchronously with the second main flash

3. Multi Stroboscopic Flash

A rapid series of flashes during a single exposure to capture the continuous trajectory of moving objects.

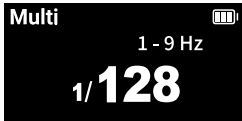
Flash Times, Frequency, Power Setting:

Press <SET>button to select the setting item, rotate the dial to set parameters.

Number of flashes: 1-100

Flash frequency: 1-100 Hz

Power range: 1/128 to 1/4



Determining Shutter Speed in Multi Flash Mode:

The shutter should remain open until the stroboscopic flashes stop. 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 10 and the frequency is 5 Hz, the shutter speed should be set to 2 seconds or longer.

Note:

1. Multi flash is more effective when shooting highly reflective objects against a dark background.
2. Using a tripod and TTL flash trigger (sold separately) is recommended.
3. High-Speed/Rear-Curtain Sync are not supported in this mode.
4. This mode supports camera BULB shooting.

Maximum Consecutive Multi Flashes

Flash Frequency (Hz) Number of Flashes Flash Output	1	2	3	4	5	6-7	8-9
1/4	8	6	4	3	3	2	2
1/8	14	14	12	10	8	6	5
1/16	30	30	30	20	20	20	10
1/32	60	60	60	50	50	40	30
1/64	90	90	90	80	80	70	60
1/128	100	100	100	100	100	90	80

Flash Frequency (Hz) Number of Flashes Flash Output	10	11	12-14	15-19	20-50	60-100
1/4	2	2	2	2	2	2
1/8	4	4	4	4	4	4
1/16	8	8	8	8	8	8
1/32	20	20	20	18	16	12
1/64	50	40	40	35	30	20
1/128	70	70	60	50	40	40

Note: To avoid overheating and damaging the flash head, do not perform more than 10 consecutive multi flashes. After 10 consecutive flashes, allow at least 10 minutes for cooling. Otherwise, the flash may automatically stop.

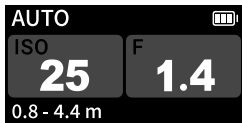
4.AUTO Auto Flash

Metering through the metering sensor automatically adjusts flash output. Correct calculation requires ISO (sensitivity) and F (aperture value) settings consistent with the camera.

ISO and F Value Setting: Press <SET> to select the setting item, rotate the dial to set parameters.

ISO Range: 25-1600

F Range: 1.4-45



Practical Table in AUTO Mode

Shooting Distance (m) \ ISO Aperture	25	32	40	50	64	80	100	125	160	200
1.4	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2	1.3~6.9	1.5~7.8	/	/	/	/
1.6	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2	1.3~6.9	1.5~7.8	/	/	/
1.8	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2	1.3~6.9	1.5~7.8	/	/
2	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2	1.3~6.9	1.5~7.8	/
2.2	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2	1.3~6.9	1.5~7.8
2.5	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2	1.3~6.9
2.8	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6	1.1~6.2
3.2	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	1.0~5.6
3.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0
4	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4
4.5	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9
5	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5
5.6	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1
6.3	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7
7.1	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5
8	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2
9	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9
10	/	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7
11	/	/	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5
13	/	/	/	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3
14	/	/	/	/	/	/	/	/	0.4~1.1	0.4~1.2
16	/	/	/	/	/	/	/	/	/	0.4~1.1

Shooting Distance (m) Aperture	ISO								
	250	320	400	500	640	800	1000	1250	1600
2.5	15~7.8	/	/	/	/	/	/	/	/
2.8	13~6.9	15~7.8	/	/	/	/	/	/	/
3.2	11~6.2	13~6.9	15~7.8	/	/	/	/	/	/
3.5	10~5.6	11~6.2	13~6.9	15~7.8	/	/	/	/	/
4	0.9~5.0	10~5.6	11~6.2	13~6.9	15~7.8	/	/	/	/
4.5	0.8~4.4	0.9~5.0	10~5.6	11~6.2	13~6.9	15~7.8	/	/	/
5	0.7~3.9	0.8~4.4	0.9~5.0	10~5.6	11~6.2	13~6.9	15~7.8	/	/
5.6	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	10~5.6	11~6.2	13~6.9	15~7.8	/
6.3	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	10~5.6	11~6.2	13~6.9	15~7.8
7.1	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	10~5.6	11~6.2	13~6.9
8	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	10~5.6	11~6.2
9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0	10~5.6
10	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4	0.9~5.0
11	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9	0.8~4.4
13	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5	0.7~3.9
14	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1	0.6~3.5
16	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7	0.5~3.1
18	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5	0.5~2.7
20	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2	0.5~2.5
22	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9	0.5~2.2
25	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7	0.5~1.9
29	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5	0.5~1.7
32	/	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3	0.4~1.5
36	/	/	/	/	/	/	0.4~1.1	0.4~1.2	0.4~1.3
40	/	/	/	/	/	/	/	0.4~1.1	0.4~1.2
45	/	/	/	/	/	/	/	/	0.4~1.1

• Receiver Mode

- ① Press <MENU> button to enter the menu
- ② Rotate the dial to select "Shooting Mode," press <SET> button to enter
- ③ Rotate the dial to select "📡" receiver mode, press <SET> to confirm and return
- ④ Press <MENU> button to return to the main interface
- ⑤ Press <MODE> button to switch TTL / M / Multi flash modes

To Use Receiver Mode, Enable Wireless Function:

- ① Press <MENU> button to enter the menu
- ② Rotate the dial to select "Wireless," press <SET> button to enter
- ③ Rotate the dial to select "Channel / ID / Wireless Sync," press <SET> button to enter
- ④ Rotate the dial to set the channel and ID to match the sender unit
- ⑤ Press <MENU> button to return to the previous level

Note: When the sender unit has wireless sync function, auto-pairing can be done via wireless sync.

Receiver Group: A, B, C, D

1. TTL Auto Flash

Receives sender TTL mode flash signals based on group settings.

Group Setting: Press <SET> button and rotate the dial to switch groups.



2. M Manual Flash

Receives sender M mode flash signals based on group settings.



Output Power Setting: Set using the dial.

Group Setting: Press <SET>button and rotate the dial to switch groups.

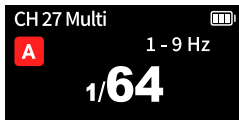
3. Multi Stroboscopic Flash

Receives sender Multi mode flash signals based on group settings.

Group, Flash Times, Frequency Setting:

Press <SET>button to select the setting item, rotate the dial to set parameters.

Note: For more details, refer to the Wi-Off Mode – Multi Stroboscopic Flash section.



Menu Functions

- ① Press <MENU>button to enter the menu.
- ② Rotate the dial to select the desired setting item.
- ③ Press <SET>button and rotate the dial to set parameters.
- ④ Press <MENU>button to return to the previous level.

Note: Menu display varies by camera model. The following is for reference only; actual display prevails.

Icon	Function	Options	Description
	Shooting Mode	 Wi-Off	Mounted on camera hot shoe
		 Receiver	Acts as receiver unit to receive wireless triggering signals
	Wireless	Channel	32 channels (1-32)
		ID	OFF / 1 ~ 99
		Wireless Sync	Quick pairing with sender unit that has wireless sync function
	Sync	Off	Default front-curtain sync unless rear-curtain sync is set on camera (Only available on Lux Junior II S/N/F/O)
			High-Speed Sync
			Front-Curtain Sync(This option is only available on the Lux Junior II C.)
			Rear-Curtain Sync(This option is only available on the Lux Junior II C.)
	Photocell	Off	Function disabled
		S1	In M mode, triggers synchronously with the first flash of the main flash
		S2	In M mode, ignores main flash pre-flash, triggers with the second flash
	TCM	Off	Function disabled
		On	In Wi-Off mode, converts TTL metering value to M mode power output
	Standby	Off	Function disabled
		On	Auto sleep after 90 seconds of no operation, auto power off after 8 hours
	Auto Off	Off	Function disabled
		30 min	Auto power off after 30 minutes of no operation
		60 min	Auto power off after 60 minutes of no operation
		90 min	Auto power off after 90 minutes of no operation

	Screen Standby	30 s	Screen standby after 30 seconds of no operation
		1 min	Screen standby after 1 minute of no operation
		2 min	Screen standby after 2 minutes of no operation
		3 min	Screen standby after 3 minutes of no operation
	Screen Brightness	/	Adjust display backlight intensity (1%-100%)
	New Protocol (Only available in Lux Junior II S)	Off	Function disabled
		On	The protocol is on by default
	Dial Unlock	Off	Function disabled
		On	Unlock required at power-on
	Language	Chinese	Interface language: Simplified Chinese
		English	Interface language: English
	Factory Reset	Apply	Confirm and complete factory reset
		Cancel	Cancel and return to previous level
	Device Info	/	Check product model and firmware version

Control Flash with Camera Menu(Only available on Lux Junior II C)

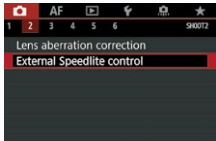
If the camera flash is attached to an EOS camera which has a camera control function, the flash can be controlled using the camera's menu screen.

The functions that can be set are as follows. The available settings vary depending on the flash mode, wireless flash function settings, and other conditions.

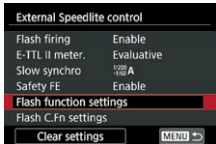
Function	
Flash Firing	On / Off
E-TTL Balance	Ambience priority / Standard / Flash priority
TTL Metering	Evaluative (Face priority) / Evaluative / Average
Continuous Flash Control	E-TTL shooting every time / E-TTL shooting for the first time
Flash synchronization speed in aperture-priority (Av) mode	
Flash Mode	TTL flash metering (auto flash) /Manual flash/Multi flash (stroboscopic)
Wireless Functions	Wireless flash: Off/Radio transmission
Zoom (Flash Coverage)	
Shutter Sync	Front-Curtain Sync / Rear-Curtain Sync / High-speed Sync
Flash Exposure Compensation	

Setting Camera Flash Functions

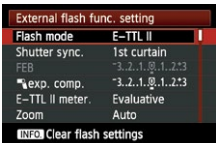
1. Select <Flash control> or <External Speedlite control>.



2. Select <Flash function settings> or <External func. setting >.



3. The setting screen and items displayed vary depending on the camera.



1. Use the <Clear Settings> option in step 2 to clear all custom function settings of the built-in flash or external flash.
2. If exposure compensation has already been set on the flash, it cannot be adjusted via the camera. To set it using the camera, first set the flash's exposure compensation to "0".
3. For custom functions set via either the camera or the flash (except for flash exposure compensation), the last setting applied will take effect.

Global Shutter Sync (Only available on Lux Junior II S)

When used with a global shutter camera, the Lux Junior II S supports synchronization across the entire shutter speed range. Compared to traditional High-speed Sync (HSS), global shutter synchronization delivers more effective flash exposure.

1. When flash is used in TTL mode. Compared to a non-global shutter camera, with a global shutter camera, the HSS flash time is shorter (about 2-5 milliseconds), the recycle time is faster, and the camera can take more shots.

2. When flash is used in M (manual) flash mode and you want to use single pulse flash (not HSS) in high-speed shutter (with a shutter speed faster than 1/600), you can adjust the camera's flash delay time to match the exposure time, so that you can shoot with a more appropriate amount of light. Compared to HSS mode, this mode has a better flash index with the same power.

Flash timing settings: Camera Menu →  (Exposure/Color) → [Flash] → [Flash Timing Setting] → [On] → Set the flash timing to the desired value.

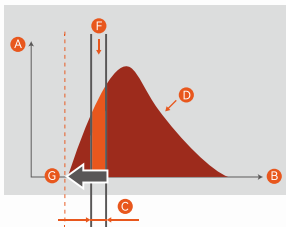
ADJ flash timing settings menu:

On: Adjusts the flash timing manually (0 microseconds to 1000 microseconds).

Off: Does not adjust the flash timing (the flash will fire in non-single pulse flash when the shutter speed is 1 / 600).

How to Match the Flash and the Shutter

High-speed shutter single pulse flash requires very strict time alignment. As shown in the figure, the shutter needs to be turned on at the optimal light effect of the flash. Matching method is as follows:



A: Amount of flash light

B: Time

C: Shutter speed

D: Amount of flash light in 1/128 power

F: Exposed amount of flash light

G: Flash starting timing

Calibration Procedure:

1. Set the flash to M mode, then enter the camera menu.
2. Locate the camera flash timing settings, enable ADJ, and enter the parameters.
Parameter values vary by camera and flash model. The table below uses the Lux Junior II S+ A9MIII combination as an example other global shutter cameras require real-time calibration to determine the alignment timing:

Flash Status	Parameter Value
Wireless OFF	Approx. 140 μ s
Wireless ON	Approx. 540 μ s

3. Set the camera shutter speed to 1 / 80000s and the flash power to 1 / 128. (Higher shutter speeds and lower power levels require higher alignment precision; if this combination works, other combinations will generally be applicable.)
4. When the shutter speed is fast and the power is high (where flash duration is

significantly longer than shutter time), delay the timing to align with the peak flash output.

5. If the flash is not synchronized, fine-tune the ADJ parameters until optimal exposure is achieved, and test the shooting performance at other shutter speeds.

- 
 1. If you set the camera's shutter speed to faster than 1/10000 and take a picture, the brightness and color may vary.
 2. For camera equipped with a global shutter image sensor, the HSS icon will not be displayed on the panel regardless of whether the high-speed sync setting is [ON] or [OFF].
 3. When the flash is connected to the camera using a sync cord, the camera shoots with a traditional high-speed sync instead of using the global shutter sync, so the distance that the flash's light can reach is shortened.

Sync Cord Triggering

The interface specification is $\varnothing 2.5$ mm. Insert a sync cord or trigger plug here for synchronized triggering.

Over-Temperature Protection

1. To avoid overheating and deteriorating the flash head, do not fire more than the mentioned below continuous flashes in fast succession at 1/1 full power, or fire more than 40 continuous flashes in fast succession at 1/1 full power in HSS mode.
2. If you fire more than the mentioned below continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycle time over 10 seconds. If this occurs, allow a rest time of about 10 minutes.
3. When over-temperature protection is started,  is shown on the display.

Number of flashes that will activate over-temperature protection:

Power Level	Number of flashes
1/1	30
1/2	46
1/4	90
1/8	150
1/16	300
1/32	600
1/64	1200
1/128	2000

Number of flashes that will activate over-temperature protection in HSS mode:

Power Level	Number of flashes
1/1	40
1/2	75
1/4	100
1/8	
1/16	

The Reason & Solution of Not Triggering in Godox 2.4G Wireless

1. Disturbed by the 2.4G signal in outer environment (e.g. wireless base station, 2.4G wifi router, Bluetooth, etc.)

→ To adjust the channel CH setting (add 10+ channels) and use the channel which is not disturbed. Or turn off the other 2.4G equipment in working.

2. The flash has not completed recycling, or the recycling speed cannot keep up with the continuous shooting speed

→ Please downgrade the flash power output. If the flash is in TTL mode, please try to change it to M mode (a pre-flash is needed in TTL mode).

3. Flash is in over-temperature protection state

→ Solution: Cool for 10 minutes.

4. Sender and receiver are too close (<0.5m)

→ Solution: Set the sender unit to Near-Range Trigger.

5. Low battery

→ Charge in time.

6. The flash's firmware is an older version

→ Upgrade the firmware of the flash.

7. The camera's firmware is an older version

→ Upgrade the firmware of the camera referring to its instruction manual.

Troubleshooting

• **The flash does not fire**

1. Ensure the flash is securely mounted on the camera hot shoe and the electrical contacts are properly connected.
2. If contacts are dirty, clean them with a dry, lint-free cloth.
3. If the  > or <  > does not appear in the camera viewfinder, wait for the flash to recycle.
4. Check the battery level. If the battery is low, replace or charge it immediately.

- **Underexposure or Overexposure**

1. High Speed Sync mode, the effective flash range is reduced. Ensure the subject is within the effective flash range displayed on the screen.
2. If the main subject is too dark or too bright, set the appropriate Flash Exposure Compensation (FEC).

- **The flash does not fire as a receiver unit**

1. Check if the group it belongs to is set to OFF.
2. Ensure the receiver unit is set to the same Channel (CH) and ID as the sender unit.
3. Ensure the flash is placed within the effective transmission range of the sender unit.
4. If the units are too close, the flash may not fire. Set the sender unit to close-range trigger mode.

- **The buttons or touchscreen do not respond**

Software glitch: Press the <SET > and <MENU> buttons simultaneously to force shutdown, then restart the device to check for normal operation.

Firmware Upgrade

Godox periodically releases firmware upgrades to support new cameras, fix errors, or add new features. Regularly checking and updating firmware is an important maintenance step to ensure long-term compatibility and stability.

Visit the Godox website at <https://www.godox.com.cn/firmware-G3/> to download the Godox G3 software and corresponding firmware files.

Connection: With the device powered off, press and hold the <MENU> button and connect to a computer using the included USB-C cable.

Upgrade: Open G3 software, select the firmware file, and execute the upgrade.

Technical Data

Product Name	Retro Camera Flash	
Model	Lux Junior II C/N/F/O	Lux Junior II S
Global Shutter Sync Shooting	Not supported	Supported
Wireless Global Shutter Sync	Not supported	Supported
Exposure Control System	AUTO (Wi-Off only), TTL, M	
GN (1/1)	Approx. GN18 (m ISO 100)	
Number of Flashes (1/1)	Approx. 400	
Recycle Time (1/1)	Approx. 1.5s	
Flash Duration (t0.1)	1 / 1000s ~ 1 / 30000s	
Flash Exposure Compensation (FEC)	Range: -3.0 ~ +3.0, Increment: 1 / 3	
Flash Output Power	Range: 1 / 128 ~ 1 / 1, Increment: 1 / 3	
Multi Flash	Supported (up to 100 times, 100Hz)	
Sync Mode	High-Speed Sync (up to 1/8000s ①), Front-Curtain Sync, Rear-Curtain Sync	
Wireless Triggering	Hot shoe, 2.5mm sync cord, 2.4G wireless, photocell	
Wireless Function	Receiver Unit	
Receiver Groups	A, B, C, D	

① In high-speed sync mode, Sony global shutter cameras can reach up to 1/80000s.

Receive Distance	Approx. 50 m
Channels	32 (1 ~ 32)
ID	OFF / 1 ~ 99
Power Saving	Standby/auto off functions
Built-in Battery	7.4V / 700mAh
USB-C Input	5V  2A
Operating Temperature	-10°C ~ 45°C
Dimensions (base at 90°)	104 × 67 × 32 mm
Net Weight	Approx. 153 g

Note: Specifications and data are subject to change without notice.

Compatible Camera Models

Lux Junior II S: Compatible with the following Sony camera models:

α77 II, α99, a77, DSC-RX10, α6000, α7R, α350, α7R II (4.0), α7R III, α7M III, α9, α7R IV, α7R V, α7M IV, ZV-E10, A9 III, A7C, A7C II, a6400, α6500

Lux Junior II C: Compatible with the following Canon camera models:

80D, 90D, 7D, 6D, 70D, 750D, 760D, 5D Mark IV, EOS 1DX, 6D Mark II, 77D, 800D, 5D Mark III, 5D Mark II, 60D, 7D Mark II, 600D, 50D, 30D, 40D, 500D, M5, M3, M50, R, RP, M6 II, R5, 1500D, 3000D, R7, R6 II, R8, R5C, R10, R100, R5 II, R3, 200D II

Lux Junior II N: Compatible with the following Nikon camera models:

D800, D750, D700, D610, D500, D200, D300S, D5, D4, D810, D780, D5300, D5200, D5100, D5000, D3300, D3100, D60, Z6, Z7 II, Z8, ZFC, ZR

Lux Junior II O: Compatible with the following Olympus and Panasonic camera models:

Olympus: E-M1, PEN-F, E-M10 II, E-PL8, E-P5, E-M10 III

Panasonic: GH4, LX100, DMC-GF1, DMC-G85, DMC-GX85, DMC-LX100, DMC-FZ2500GK, S1

Lux Junior II F: Compatible with the following FUJIFILM camera models:

Fujifilm: According to Fujifilm's flash control methods, divided into the following categories:

Category A: X-Pro2, X-T20, X-T2, X-T1, GFX50s, GFX50R, X-T30, X-T4, X-T3, X-S20, X-T5

Category B: X-Pro1, X-T10, X-E1, X-A3

Category C: X100F, X100T

Camera Compatibility and Function Support Table:

Camera Flash							
Camera	TTL Flash			M Manual Flash			Multi Flash
	Front	Rear	HSS	Front	Rear	HSS	
A	✓	✓	✓	✓	✓	✓	✓
B	✓	✓	--	✓	--	--	✓
C	✓	✓	--	✓	✓	--	✓

2.4G Wireless Control							
Camera	TTL Flash			M Manual Flash			Multi Flash
	Front	Rear	HSS	Front	Rear	HSS	
A	✓	✓	✓	✓	✓	✓	✓
B	✓	✓	--	✓	✓	--	✓
C	✓	✓	--	✓	✓	--	✓

Note:

- 1.The ZR does not support High-Speed Sync (HSS); maximum shutter speed is limited to 1/60s.
- 2.The X100T does not support Rear-Curtain Sync.
- 3.This table lists only camera models tested to date. Users may test other models independently.
- 4.Godox reserves the right to modify the contents of this table in the future.

Maintenance

Impact Protection: The device may malfunction if subjected to strong shocks or vibration.

Keep Dry: This product is NOT waterproof. Do not operate with wet hands or use in rainy, damp, or high-humidity environments (e.g., bathrooms).

Temperature Precautions: Avoid sudden temperature changes, such as moving from a cold environment to a warm one, which may cause internal condensation. To prevent this, place the device in a protective bag beforehand to allow it to adjust to the temperature change.

Magnetic Interference: Keep away from strong electromagnetic field sources, such as radio transmitters, to prevent electromagnetic interference from affecting device performance.

Battery Replacement

This product is designed to allow users to replace the battery using common tools during its lifecycle.

Warning: Battery replacement is only recommended when battery performance has degraded significantly.

Safety Guidelines

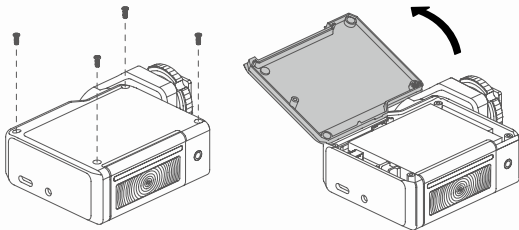
1. If liquid enters the device, stop using it immediately and disconnect the power.
Remove the battery and allow it to dry in a dry place before proceeding.
2. Use original batteries to ensure safety and performance.
3. Ensure the working environment is dry and dust-free.

Required Tools

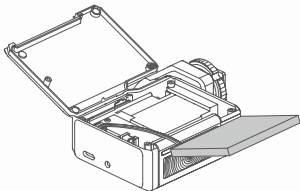
Tool Name	Note
Screwdriver	Standard tool available at hardware stores
Insulating Tape	Used to insulate the terminals of discarded batteries

Replacement Steps

1. **Power off:** Turn off the power switch and unplug the charging cable.
Remove the housing: Use a Phillips screwdriver to remove the 4 fixing screws on the bottom cover, then open the bottom cover.



3. **Disconnect:** Carefully separate the battery terminal connector. Do not pull the cable forcefully.
4. **Install the new battery:** Ensure the connector is oriented correctly, secure it in the original position, and reassemble the housing.



Note: If the device does not start normally, check if the battery connector is properly installed.

Recycling & Disposal

1. Wrap the battery terminals with insulating tape to prevent short circuits.
2. Comply with local environmental regulations. Dispose of the battery at an authorized recycling point.

Warning

Operating frequency: 2412.99MHz – 2464.49MHz (only receive)

Declaration of Conformity

GODOX Photo Equipment Co., Ltd. hereby declares that this equipment are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), this product is allowed to be used in all EU member states. For more information of DoC, Please click this web link: <https://www.godox.com/eu-declaration-of-conformity/>

The device complies with RF specifications when the device is used at 0mm from your body.

FCC Caution (For Lux Junior II S/C/N/F/O)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Warning (For Lux Junior II S)

This device complies with Industry Canada licence - exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Warranty

Dear customers, as this warranty card is an important certificate to apply for our maintenance service, please fill in the following form in coordination with the seller and safe-keep it. Thank you!

Product Information	Model	Product Code Number
Customer Information	Name	Contact Number
	Address	
Seller Information	Name	
	Contact Number	
	Address	
	Date of Sale	
Note		

Note: This form shall be sealed by the seller.

Applicable Products

The document applies to the products listed on the Product Maintenance Information (see below for further information). Other products or accessories (e.g. promotional items,giveaways and additional accessories attached,etc.) are not included in this warranty scope.

Warranty Period

The warranty period of products and accessories is implemented according to the relevant Product Maintenance Information. The warranty period is calculated from the day (purchase

date) when the product is bought for the first time, and the purchase date is considered as the date registered on the warranty card when buying the product.

How to Get the Maintenance Service

If maintenance service is needed, you can directly contact the product distributor or authorized service institutions. You can also contact the Godox after-sale service call and we will offer you service. When applying for maintenance service, you should provide valid warranty card. If you cannot provide valid warranty card, we may offer you maintenance service once confirmed that the product or accessory is involved in the maintenance scope, but that shall not be considered as our obligation.

Inapplicable Cases

The guarantee and service offered by this document are not applicable in the following cases: ① The product or accessory has expired its warranty period; ② Breakage or damage caused by inappropriate usage, maintenance or preservation, such as improper packing, improper usage, improper plugging in/out external equipment, falling off or squeezing by external force, contacting or exposing to the improper temperature, solvent, acid, base, flooding and damp environments, etc; ③ Breakage or damage caused by non-authorized institution or staff in the process of installation, maintenance, alternation, addition and detachment; ④ The original identifying information of product or accessory is modified, alternated, or removed; ⑤ No valid warranty card; ⑥ Breakage or damage caused by using illegally authorized, nonstandard or non-public released software; ⑦ Breakage or damage caused by force majeure or accident; ⑧ Breakage or damage that could not be attributed to the product itself. Once met these situations above, you should seek solutions from the related responsible parties and Godox assumes no responsibility. The damage caused by parts, accessories and software that beyond the warranty period or scope is not included in our maintenance scope. The normal discoloration, abrasion and consumption are not the breakage within the maintenance scope.

Maintenance and Service Support Information

The warranty period and service types of products are implemented according to the following Product Maintenance Information:

Parts	Maintenance Period(month)	Warranty Service Type
Internal circuit board	12	Customer sends the product to designated site
Other items (flash tubes, housing, protective covers, locking mechanisms, various cables, and package, etc.)	No	Without warranty

Godox After-sale Service Call +86-755-29609320(8062)



Wechat
Official Account

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