60dox 抽牛

Pioneering Li-ion Camera Flash 锂电机顶闪光灯

V850II



INSTRUCTION MANUAL

说明手册

中英文双语 / Chinese English Bilingual

在使用本产品之前:

请先仔细阅读本手册,以确保您能安全使用。请保存好本手册以备将来 查询参考。

Before using this product:

Please read this user manual carefully in order to ensure your safety and the proper operation of this product. Keep for future reference.

Foreword

Thank you for purchasing a GODOX product.

V850II Li-ion camera flash adopts Godox wireless X system and 2.4G ratio transmission, which is compatible with AD360II-C, AD360II-N, TT685C, TT685N, X1T-C, X1T-N, etc. Fit all DSLR camera brands e.g. Canon, Nikon, Sony, etc.

This V850II camera flash features:

- GN60 (m ISO 100, @200mm). Adjust from 1/1 to 1/128 in 1/3rd stops
- Built-in 2.4G wireless transmission to support transmitting and receiving
- High speed sync, wireless remote control, multi flash and manual focus assist
- Stable consistency and color temperature with good even lighting
- · User-friendly LCD display & control panel

▲ Warning

- Always keep this product dry. Do not use in rain or in damp conditions.
- Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.
- ▲ Keep out of reach of children.
- A Stop using this product if it breaks open due to extrusion, falling or strong hit. Otherwise, electric shock may occur if you touch the electronic parts inside it.
- Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise visual impairment may occur.
- ▲ Do not use the flash unit in the presence of flammable gases, chemicals and other similar materials. In certain circumstance, these materials may be sensitive to the strong light emitting from this flash unit and fire or electromagnetic interference may result.
- Do not leave or store the flash unit if the ambient temperature reads over 50°C. Otherwise the electronic parts may be damaged.
- ▲ Turn off the flash unit immediately in the event of malfunction.



Conventions used in this Manual

- This manual is based on the assumption that both the camera and camera flash's power switches are powered on.
- Reference page numbers are indicated by "p.**".
- The following alert symbols are used in this manual:
- ▲The Caution symbol gives supplemental information.
- The Note symbol indicates a warning to prevent shooting problem.

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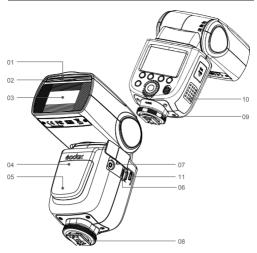
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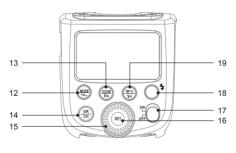
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Body

- 01. Catchlight Panel
- 02. Built-In Wide Panel (Retracted)
- 03. Flash Head
- 04. Optic Control Sensor
- 05. Focus Assist Beam

- 06. Wireless Control Port
 - 07. Sync Cord Jack
 - 08. Hotshoe
 - 09. Lock Ring
 - 10. Battery Compartment



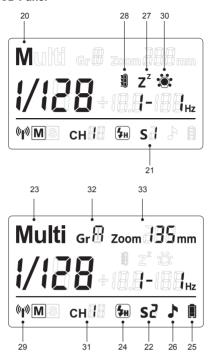
Control Panel

- 11. < > Mode Selection Button/ 15. < (SET) > Set Button Wireless Mode Selection (Long Keypress)
- 12. < >Zoom / Function Custom Button (Long Keypress)
- 13. < Group/ Channel Setting (Long Keypress)
- 14. < >>Select Dial

- 16. ON/OFF Power Switch
- 17. < Test Button / Flash Ready Indicator
- 18. < >Focus Assist Beam / High Speed Sync Button (Long Keypress)

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LCD Panel



- 19. <M>Manual Flash Mode
- 20. <\$1>S1 Slave Flash Triggering
- 21. <\$2>S2 Slave Flash Triggering
- 22. < Multi > Multi / Stroboscopic Flash Mode
- 23. < TH>High Speed Sync Triggering
- 24. < 3 > Battery Level Indication
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- 27. < ₹ >Overtemperature Indication
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 - 29. < i >Focus Assist Beam Indicator
 - 30. Channel
 - 31. Group
 - 32. Zoom focal length

What's in the Box of V850II Kit?

- 1. Flash Unit 2. Li-ion Battery Pack 3. Battery Charger
- 4. Battery Charger Cable 5. Mini Stand 6. Protection Case
- 7. Instruction Manual

What's in the Box of V850II (only flash unit)?

- 1. Flash Unit Mini Stand
- 6. Protection Case
- 7. Instruction Manual



Separately Sold Accessories

The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects: X1 TTL wireless flash trigger, Cells II high speed trigger, FT-16S power & trigger control, Car charger, Mini softbox, White & Silver Reflector, Honeycomb, Color gels,



Battery

Features

- This flash unit uses Li-ion polymer battery which has long runtime. The available charge-and-discharge times are 500.
- 2. It is reliably safe. The inner circuit is against overcharge, overdischarge, overcurrent, and short circuit.
- Take only 2.5 hours to fully charge the battery by using the standard battery charger.

Cautions

- 1. Do not short circuit.
- Do not expose to rain or immerse into water. This battery is not water proof.
- 3. Keep out of reach of children.
- 4. No over 24 hours' continuous charging.
- 5. Store in dry, cool, ventilated places.
- 6. Do not put aside or into fire.
- Dead batteries should be disposed according to local regulations.
- 8. If the battery had ceased using for over 3 months, please make a full recharge.

Loading and Unloading the Battery



To load the battery, push the battery compartment cover downward and open it.



According to the triangle sign on the battery pack, insert it into the compartment until a white knob locks the battery with a click sound.



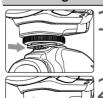
To unload the battery, tap the white knob and the battery pack will pop out. Then close the compartment.

Battery Level Indication

Make sure the battery pack is securely loaded in the flash. Check the battery level indication on the LCD panel to see the remaining battery level

battery level.	
Battery Level Indication	Meaning
3 grids	Full
2 grids	Middle
1 grid Low	
Blank grid	Lower battery, please recharge it.
Blinking	The battery level is going to be used out immediately. And the flash will not fire. Note: Please recharge the battery as soon as possible (within 10 days). Then, the battery can be used or be placed for long period.

Attaching to a Camera



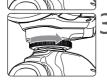
Attach the Camera Flash.

 Slip the camera flash's mounting foot into the camera's hotshoe all the way.



Secure the Camera Flash.

 Rotate the locking screw on the mounting foot until it locks up.



Detach the Camera Flash.

 Rotate the locking screw on the mounting foot until it is loosened.

Using the Flash

1.Power Management

Use ON/OFF Power Switch to power the flash unit on or off. Turn off if it will not be used for an extended period of time. This flash unit has Sleep Function and will enter into sleep status when there is no operation for a long time. For Sleep Function setting, see the following instruction.

2.Flash Output

- Flash output can be varied from 1/128th power to 1/1 full power in 1/3 stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.
- Adjust the power output by rotating Select Dial. The following table makes it easier to see how the stop changes in terms off/ stop when you increase or decrease the flash output:

Figures displayed when reducing flash output level

	_			_			
1/1	1/1-0.3	1/1-0.7	1/2	1/2-0.3	1/2-0.7	1/4	 OF
1/1	1/2+0.7	1/2+0.3	1/2	1/4+0.7	1/4+0.3	1/4	 OF

Figures displayed when increasing flash output level

When "OF" is shown on the LCD display, it means no flash output and flash firing is turned off.

3. ZOOM: Setting the Flash Coverage

The flash coverage can be set to match the lens focal length from 20 mm to 200 mm. Press < box button and rotate Select Dial < > to change the flash coverage.

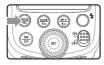
When setting the flash coverage, make sure it covers the lens focal length so that the picture will not have a dark periphery.

4. M Mode: Manual Mode

Press MODE Selection Button to enter M mode. In this mode, you can set the flash unit onto your camera hot shoe or your trigger hot shoe for firing. Before shooting, adjust the flash power output. When the camera's shutter is pressed, the flash will fire synchronously. Slave triggering mode is not available in M mode.

5. Multi Mode: Stroboscopic Flash

Press Mode Selection Button < > to enter Multi mode (Stroboscopic flash). With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture multiple images of a moving subject in a single photograph. You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output. For setting procedures, see the following:



Press the Mode Selection Button so that "Multi" is displayed.



Press Set Button < st> to select the item to be set. The item blinks.



Rotate Select Dial <> > to set a desired number.

Calculating the Shutter Speed

During stroboscopic flash, the shutter remains open until the firing stops. Use the provided formula to calculate the shutter speed required to capture the full sequence of flashes:

Number of flashes / Firing frequency = Shutter speed

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 sec.

Note:

- Stroboscopic flash is most effective with a highly reflective subject against a dark background.
- · Using a tripod and a remote switch is recommended.
- A flash output of 1/1 or 1/2 cannot be set for stroboscopic flash.
- · Stroboscopic flash can be used with "buLb".

Maximum Stroboscopic Flashes:

Flash Hz output	1	2	3	4	5	6-7	8-9
1/4	7	6	5	4	4	3	3
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

Maximum Strohosconic Flashes :

maximum ouroboscopic i lasties .						
Flash Hz output	10	11	12-14	15-19	20-50	60-199
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

▲ To avoid overheating and deteriorating the flash head during stroboscopic flash, do not use stroboscopic flash more than 10 times in succession.

6. S1 Mode: S1 Slave Triggering Mode



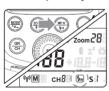
- Long Press < > button for 2 seconds to enter the custom menu and press < > Button to choose OS. Then, turn the Select Dial to choose OFF/S1/S2.
- In S1 mode, the flash unit can function as a slave flash for creating multiple lighting effects. It is respectively applicable to manual flash environment.
- In S1 mode, the flash unit will fire synchronously when the master flash fires, the same effect as that by the use of radio triggers.

7. S2 Mode: S2 Slave Triggering Mode



- Long Press < > button for 2 seconds to enter the custom menu and press < > Button to choose OS. Then, turn the Select Dial to choose OFF/S1/S2.
- In S2 mode, the flash unit can function as a slave flash for creating multiple lighting effects.
 It is applicable when using a TTL master flash.
- In S2 mode, the flash unit will ignore a single "preflash" from the master flash and will only fire in response to the second, actual flash from the master.

8. 4H Hi-Speed Sync Triggering



- To enter < ♣H> mode, long press
 ♦ button and hold for 2
- To exit <\$\f\$_H> mode, press Mode
 Selection Button or long press
 - button and hold for 2 seconds again.

seconds.

 In <4 H> hi-speed sync triggering mode, you can use a hi-speed sync trigger to have your flash unit synchronized with all shutter speeds of cameras (max. 1/8000 second, up to your camera). This is convenient when you want to use aperture priority for fill-flash portraits.

Note:

*Hi-speed sync triggering mode is effective only when the flash unit is used together with the following flash triggers.

- 1. Hi-speed sync trigger, e.g., Godox Cells II transceiver.
- 2. TTL wireless flash trigger X1C
- 3. TTL wireless flash trigger X1N

*Hi-speed sync triggering mode is not available when V850II is mounted onto the camera.



Godox Cells II transceiver (Optional)



TTL wireless flash trigger X1C /X1N (Optional)

▲ To avoid overheating or deteriorating the flash head during high speed sync flash, the over-temperature protection function will be activated automatically after 10 continuous high-speed flashes and the ecycle time becomes 10 seconds longer.

9. Custom Function--Focus Assist Lamp



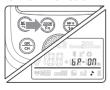


- Under poorly-lit or low-contrast conditions, you can press < button to turn on the focus assist beam in order to make it easier to autofocus.
- The beam will automatically put out certain seconds after the last pop is fired. The time between the last fire and the auto shutdown of focus assist beam is called No-Flash Time. The time is user adjustable and set to 10 seconds by default.
- Press < > button and hold for 2 seconds to enter Custom Function. Then press "SET" button to enter "FC" mode. The LCD panel displays "FC" (Auto shutdown of focus assist lamp) and "No-Flash Time". Rotate Select Dial < >> to set a desired time for the flash

00. 0.	2001100				
Press	<(200N)>	butto	n to	return	

No-Flash Time	Meaning
10 seconds	10 seconds after the last fire, focus assist
TO Seconds	lamp will automatically get out.
20 seconds	20 seconds after the last fire, focus assist
20 Seconds	lamp will automatically get out.
30 seconds	30 seconds after the last fire, focus assist
30 Seconds	lamp will automatically get out.

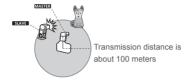
10. Buzz Function



- To turn the buzz function on or off. press < > button and hold for 2 seconds to enter Custom Function.
- Then press "SET" button to enter "bp" mode. The LCD displays"ON"means buzz is turned on while "OF" means buzz is turned off.
 - When the buzzer is turned on.
 - <>>is shown on the LCD display.

Wireless Flash Shooting: Radio (2.4G) Transmission

- V850II has 2.4G radio transmission (Master/Slave)
- Wireless mode setting: Long press< > button and hold for 2 seconds until
 icon is blinking. Turn the Select Dial to set from OFF/Master(M)/Slave(S) mode.
- Channel setting: Long press button and hold for 2 seconds until the figure besides the CH is blinking. Turn the Select Dial to choose the channel from 1~32.
- Group setting: Short press button to select group. In
 Master mode, groups can be selected from M/A/B/C/D/E; while in
 Slave mode, groups can be selected from A/B/C/D/E.
- As V850II adopts Godox wireless X system, it is compatible with AD360II-C, AD360II-N, TT685C, TT685N, X1T-C, X1T-N wireless control. etc.
- See the picture below:



12. Wireless Control Function

 The flash unit is built in with a Wireless Control Port (6) so that you can wirelessly adjust the power level of the flash and control the on-or-off of your flash, focus assist beam and buzzer, as well as trigger the flash.

To control the flash wirelessly, you need a Godox FT series remote control set (on-camera and on-flash). Insert its receive end into the Wireless Control Port (6) on the flash and insert the transmit end into the camera hot shoe. Settings made on the hotshoe-mounted transmit and receive ends will be wirelessly communicated to the flash. Then you can press the camera shutterrelease button to trigger the flash. You can also hold the transmit end at hand to control your off-camera flash.

 For full instructions on the use of FT series remote control, see its user manual.

13.Sync Triggering

The Sync Cord Jack (7) is a Φ 2.5mm plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.

14. Custom Function----Sleep Function



- This product is equipped with Sleep Function to avoid battery drain when the flash unit is idle.
- Press \(\existsimes \) button and hold for 2 seconds to enter the sleep
 Function Mode. The LCD panel displays "SL" (Sleep) and
 "Sleeping Time". Idle time before entering Sleep Mode is 10 minutes by default. Rotate Select Dial

to set a desired time for the flash or to turn off Sleep Function.
Press < but > button to return.

	<u> </u>
Idle Time	Meaning
OF	Sleep Function is turned off. The flash unit will not
OF	automatically enter sleep mode.
3	Idle time before entering Sleep Mode is set to 3 minutes.
10	Idle time before entering Sleep Mode is set to 10 minutes.
30	Idle time before entering Sleep Mode is set to 30 minutes.
60	Idle time before entering Sleep Mode is set to 60 minutes.

- When the flash enters sleep mode, the LCD panel displays a
 "Z" icon
- To wake up the flash unit, press any button on the flash unit, or press the camera release button, or press the trigger TEST button.

Note:

The idle time before entering Sleep Mode is recommended to set short. This can ensure a longer battery life.

15. C.Fn Setting Custom Functions

Custom	Custom Function Settings		Operation		
Custom Function Signs	Function	Settings & Description	Operation		
SL	Sleeping Time Setting	Settable Time: <3> 3 minutes <10> 10 minutes <30> 30 minutes <60> 60 minutes <of> (OFF)</of>	1. Press < bulleton to enter Custom Functions. 2. Turn the Select Dial < bulleton to adjust sleeping time. 3. Press < bulleton to return. 'Press any button can wake up the flash. * The idle time before entering Sleep Mode is recommended to set short. This can ensure a longer battery life.		
FC	Auto Power OFF Time Setting of Auto Focus Assist	<10>10 seconds <20>20 seconds <30>30 seconds	1. Press < +> button to enter Custom Functions. 2. Press < +> 0 button to enter FC states. 3. Turn the Select Dial < >		
bp	Buzz Setting	<on> On <of> Off</of></on>	1. Press < bulleton to enter Custom Functions. 2. Press < set) > button to enter bp states. 3. Turn the Select Dial < to to adjust. 4. Press < bulleton to return.		
bL	Backlight Setting	Backlight can be set as follows: <on>: Always lighting <12>: Off in 12 sec. <of>: Off</of></on>	1. Press < bulleton to enter Custom Functions. 2. Press < ser) > button to enter bL states. 3. Turn the Select Dial < to to adjust. 4. Press < bulleton to return.		
OS	Optic Slave Mode	<of> Off <s1> S1 mode <s2> S2 mode</s2></s1></of>	1. Press < bulleton to enter Custom Functions. 2. Press < bulleton > button to enter OS states. 3. Turn the Select Dial < to adjust. 4. Press < bulleton to return.		

Protection Function

1. Over-Temperature Protection

- To avoid overheating and deteriorating the flash head, do not fire more than 30 continuous flashes in fast succession at 1/1 full power. After 30 continuous flashes, allow a rest time of at least 10 minutes.
- If you fire more than 30 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycling time about 10 to 15 seconds. If this occurs, allow a rest time of about 10 minutes, and the flash unit will then return to normal.
- When the over-temperature protection is started, is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Power Output Level	Number of Flashes
1/1	30
1/2 +0.7	40
1/2 +0.3	50
1/2	60
1/4 (+0.3,+0.7)	100
1/8 (+0.3,+0.7)	200
1/16 (+0.3,+0.7)	300
1/32 (+0.3,+0.7)	500
1/64 (+0.3,+0.7)	1000
1/128 (+0.3,+0.7)	1000

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

P				
Power Output Level	Number of Flashes			
1/1	15			
1/2 (+0.3,+0.7)	20			
1/4 (+0.3,+0.7)	20			
1/8 (+0.3,+0.7)	30			
1/16 (+0.3,+0.7)	40			
1/32 (+0.3,+0.7)	40			
1/64 (+0.3,+0.7)	50			
1/128 (+0.3,+0.7)	30			

2. Other Protections

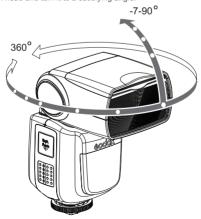
The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference:

Prompts on LCD Panel	Meaning
E0	A failure occurs on the temperature sensor.
EU	Please send this kit to a maintenance center.
	A failure occurs on the recycling system so that
	the flash cannot fire.
E1	Please restart the flash unit. If the problem
	still exists, please send this product to a
	maintenance center.
E2	The system gets excessive heat. Please allow a
E2	rest time of 10 minutes.
	The voltage on two outlets of the flash tube is too
E3	high. Please send this product to a maintenance
	center.

Advanced Application

Bounce Flash

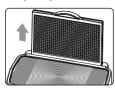
By pointing the flash head toward a wall or ceiling, the flash will bounce off the surface before illuminating the subject. This can soften shadows behind the subject for a more natural-looking shot. This is called bounce flash. To set the bounce direction, hold the flash head and turn it to a satisfying angle.



- If the wall or ceiling is too far away, the bounced flash might be too weak and result in underexposure.
 - The wall or ceiling should be a plain, white color for high reflectance. If the bounce surface is not white, a color cast may appear in the picture.

Creating a Catchlight

With the catchlight panel, you can create a catchlight in the subject's eyes to add life to the facial expression.



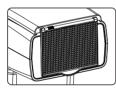
- Point the flash head upward by 90°.
- Pull out the wide panel.
 The catchlight panel will come out at the same time.



- Push the wide panel back in.
 - Push in only the wide panel.
 - Follow the same procedures as for bounce flash.
- Point the flash head straight ahead and then upward by 90°. The catchlight will not appear if you swing the flash head left or right.
 - For best catchlight effect, stay 1.5m/4.9ft away from the subject.

Using the Wide Panel

Pull out the built-in wide panel to enlarge the flash lighting range, so as to get more softened and natural lighting effect.



Pull out the wide panel and place it over the flash head as shown. The flash coverage will then be extended to 14 mm.

The catchlight panel will come out at the same time. Push the catchlight panel back in.

Technical Data

Product Model	V850II
Guide No. (1/1 power @ 200mm)	GN 60 (m ISO 100)
Vertical Rotation Angle	-7°-90°
Horizontal Rotation Angle	0-360°
Power Source	Li-ion polymer battery pack (Model:VB-18)
Full Power Flashes	Approx. 650
Recycle Time	<1.5 seconds Red LED indicator will light up when the flash is ready.
Flash Duration	1/300s - 1/20000s
Color Temperature	5600K±200K
Wireless Flash Function	Master, Slave, Off
Controllable slave groups	5(A, B, C, D, E)
Transmission Range (approx.)	100m
Channel	1~32
Dimension	64*76*190 mm
Weight without Battery	420g
Weight with Battery	530g

Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts and the lamp should be dedusted regularly.
- It is normal for the flash tube to be warm when in use. Avoid continuous flashes if unnecessary.
- Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories.
- This product, except consumables e.g. flash tube, is supported with a one-year warranty.
- Unauthorized service will void the warranty.
- If the product had failures or was wetted, do not use it until it is repaired by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.

FCC Warning

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

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

深圳市神牛摄影器材有限公司

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