

Godox

Smart 小精灵
Studio Strobe



Instruction Manual
说明手册

120SDi/160SDi/
250SDi/300SDi

82.A000SDI0-00 VA

Foreword

Thank you for your purchase of Smart Studio Flash. The device is designed for photographers seeking studio equipments in good quality at an affordable price. With its well-chosen key components and parts, the product is of high quality, stability and reliability for all portrait, fashion, wedding art, advertisement photography and video shooting etc.

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For Your Safety

To prevent damage to the product or injury to you or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where users can read them for ready reference.

⚠ Do not disassemble or modify

There are high-voltage components inside the unit. Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, send the defective back to authorized service center for inspection and maintenance.

⚠ Keep dry

Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.

⚠ Keep out of the reach of children

This device contains small parts that may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

⚠ Do not expose to high temperature

Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperature. Failure to observe this precaution could result in fire or damage to the housing or internal parts.

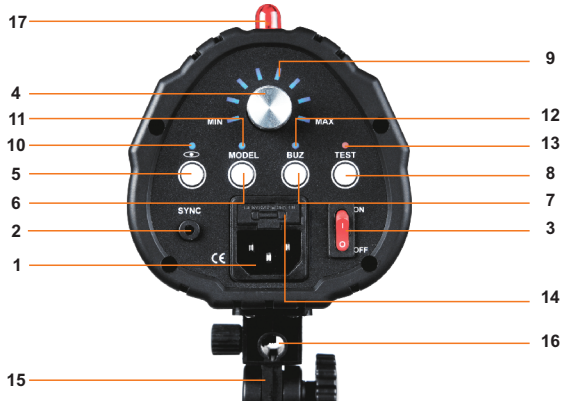
- ⚠ Avoid sudden impacts as this can damage the flash tube and/or modeling lamp.
- ⚠ High voltage inside the tube outlets, please do not touch it. Hands should be dry with insulated gloves when load/unload the flash tube and modeling lamp.
- ⚠ Do not flash directly towards naked eyes (especially those of babies), otherwise it may lead to short time visual impairment.
- ⚠ When not in use, disconnect from the power supply.

Caution

- ⚠ To avoid overheating & damaging your flash unit, please wait for about three minutes after 30 times continuous triggers at full power.
- ⚠ Do not keep long time in using the modeling lamp, otherwise the modeling lamp will be deformed, and the flammable accessories such as softbox will get burnt. The flash can be used at full power for five minutes continuous, and then it should be cooled down one minute.
- ⚠ When using a snoot, do not keep long time the modeling lamp on or over frequent flashlight (not over six times for one minute). Overheating will result in damages for strobe housing and studio light.
- ⚠ Do not touch the lamp cap when the flash or modeling lamp is working, as it will give out heat, leading to high surface temperature.

Names of Parts

● Body



1. Power Socket 2. Sync Cord Jack 3. Power Switch 4. Flash Output Controller
5. Optical Control and Anti-Preflash Switch 6. Modeling Lamp Switch 7. Buzz Button
8. Test Button 9. Flash Output Level Indicator 10. Slave Trigger Indicator
11. Modeling Lamp Indicator 12. Buzz Indicator 13. Charging Indicator Lamp
14. Fuse 15. Mounting Bracket 16. Umbrella Input 17. Light Sensor

● Accessories

1. Sync Cord
2. Power Cord
3. Instruction Manual



Operations

● Flash Preparation

Attach the flash unit on an appropriate light stand. Adjust the mounting bracket (15) for a good angle and make sure it's tightened and fixed.



The umbrella input (16) is applicable for any studio umbrella.

● Power Connection

Connect the flash to an AC power source via power cord and turn on the power switch (3). The charging indicator lamp (13) remains off, indicating the unit is charging, no flash at this moment. When the unit is ready to fire, the charging indicator lamp (13) is on.

● Flash Output Control

Flash output controller (4) controls the power ratio, adjustable power from 1/8 to full. It can meet customers' requirements for light in different environment. (Note: When adjusting the power from full power to a lower setting, press the test button to release the power in the capacitor, so when recharged, the flash output will be in the corresponding setting.)

● Test Button

To fire the flash without taking a picture, push the test button. It will also adjust the brightness when combined with the flash output controller (4).

● Sync Triggering

The sync cord jack (2) is a $\Phi 3.5\text{mm}$ mini plug. When working with sync cord triggering method, insert one end of sync cord or a trigger plug into it; the flash then can be fired synchronously.



● Slave Trigger Model

This model offers three choices which can be set by the optical control and anti-preflash switch (5).

1. No optical control: the slave trigger indicator (10) is off, meaning that the slavetrigger model is shut down.
2. One fire model: the slave trigger indicator (10) glows blue, meaning the flash will fire synchronously on one external flash. This model can act as an auxiliary lamp, varying the light effects.
3. Anti-preflash model: the slave trigger indicator (10) glows red, meaning the flash will fire synchronously on the second flash. This model can act as an auxiliary lamp, applicable to TTL system. And with anti-preflash function, it can work for the cameras equipped with one fire anti-preflash system.

● Modeling Lamp

Modeling lamp switch (6) decides whether the modeling lamp is on or off: modeling lamp indicator (11) on, modeling lamp is turned on; the indicator (11) off, modeling lamp is turned off. The lamp can also turn off automatically for auto-self protection after lighting for 30 minutes. Brightness of the lamp can be adjusted by Flash Output Controller (4).



Do not keep long time in using the modeling lamp. It's better to be cooled down for one minute after five minutes continuous use.

● Tube Replacement

Turn down the power before replacing the flash tube and wear insulated gloves. Then, loosen the iron wire on the tube, keep a balanced hold on the two feet of the flash tube and pull out the old tube gently. Take down the feet casing to put it on the new one. Hold two feet of the new tube, and target directly towards the two copper outlets, then push them slightly in. Tighten the iron wire to fix the flash tube.



● Buzz Function

Buzz function can be set by the buzz button (7) and it is turned on when the buzz indicator (12) is on; it is shut off when the buzz indicator (12) is off. A "BI" sound will be heard when it is fully charged and ready to fire.

Technical Data

Model	120SDI	160SDI	250SDI	300SDI
Flash Output	120WS	160WS	250WS	300WS
Guide Number (m ISO 100)	38	43	48	58
Color Temperature	5600±200K			
Power Voltage	220V/50Hz or 100V~120V/60Hz			
Flash Power Control	8 steps			
Modeling Lamp	75W			
Recharging Time	0.5~2sec			
Flash Triggering Method	Sync cord, Test button, Slave			
Flash Duration	1/2000-1/800s			
Fuse	5A			
Dimension	230*200*108MM			
Weight	Approx.1.16KG			

Maintenance

- Shut down the device immediately when it works abnormally and find out the reason.
- Avoid sudden impacts and the lamp should be dedusted usually.
- It's normal for lamp being warm when in use. Avoid continuous flashes when it is not necessary.
- Except that users can replace the plug-in tube and modeling lamp by themselves, maintenance of all the flashes is up to our authorized maintenance department which can provide original accessories.
- One year warranty period will be canceled when any unauthorized maintenance is found.
- If the product had failures or is wetted, it can be continuously used only after it is repaired by professionals.
- Disconnect the power when doing maintenance work or cleaning.
- New changes made to the specification may not be updated in this manual.