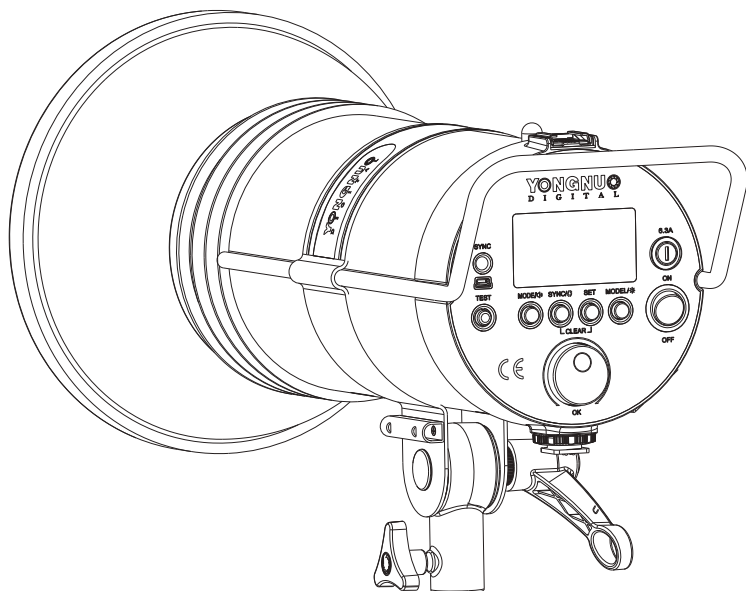


YONGNUO 
D I G I T A L

影楼灯

Professional Studio Flash

YN300W



使用说明
Usermanual

Brief Introduction

Thank you for choosing YONGNUO studio flash, YN300W.

Please read Precautions, Products Functions, Maintenance and Care etc. in this user manual carefully before use, and keep this user manual properly for reference.

Product Features:

- IGBT precise control
- Large LCD display screen
- Supports Manual mode and ETTL mode
- Supports slave flash via wireless optical transmission
- Supports S1 and S2 slave flash
- Triggers through sync interface, hot-shoe stand and light control
- Adjusts flash power quickly with stepless knob
- Supports first curtain sync and second curtain sync
- Supports FEC and FEB
- Upgrades firmware through USB
- Supports modeling light proportional mode, sync mode and custom mode
- Multiple protection mechanism

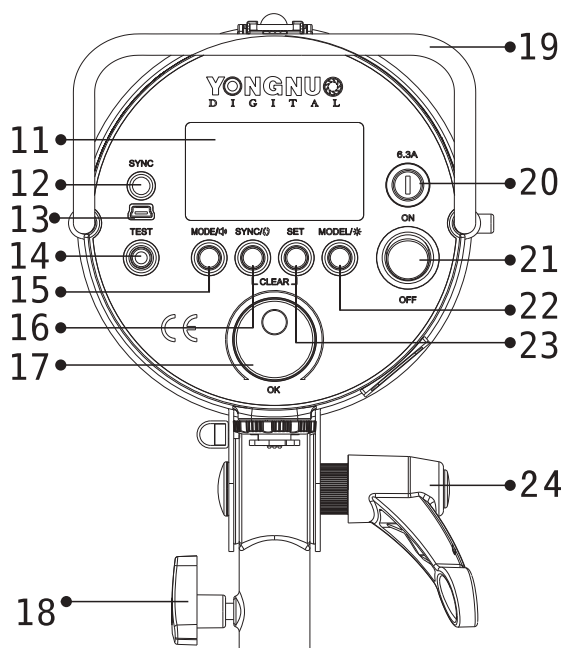
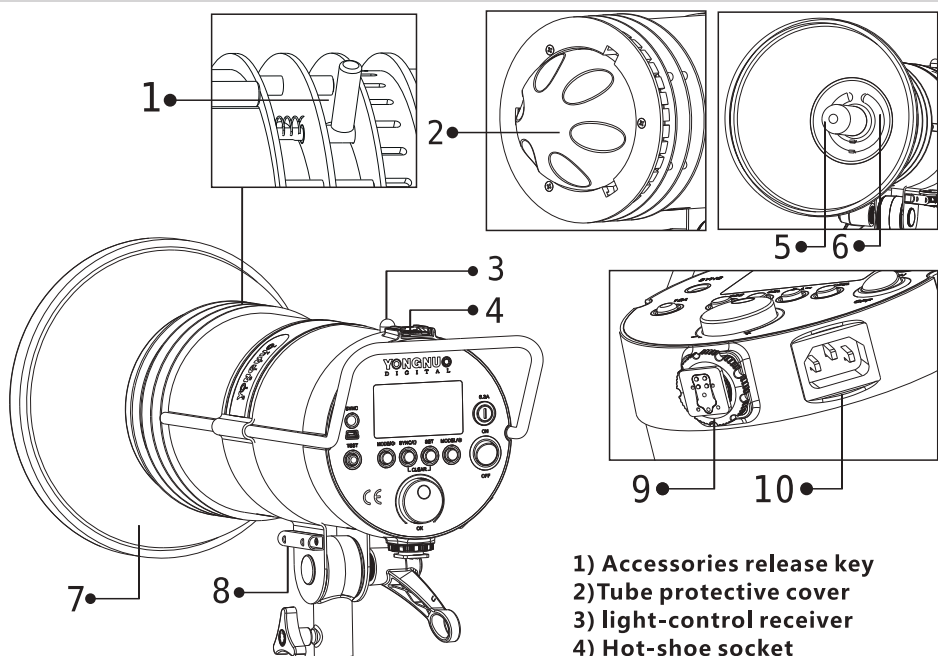
Precautions

- **Before using this product for the first time, please make sure the housing of this product is undamaged and the locking device is secure. Please take down the tube protective cover to check to be sure that the tube and the lamp bulb would not loosen.**
- **Before use, please make certain the service voltage matches the nameplate of this product.**
- **This product has to be connected to the grounded power line and the grounded power receptacle. Please do not pull the power line, and please do not use the damaged power line.**
- **When you are installing and coupling accessories, please do not cut off power supply.**
- **This product should be used under the ventilated environment. Please make sure the heat emission hole won't be blocked when you are using this flash.**
- **When this product is in use, please do not touch the flash tube, modeling light and other heating components. If not, it will possibly cause burns.**
- **Ban touching this product with wet hands, and do not place or use this product where it can be exposed to moisture.**
- **Do not use this product in flammable and explosive place.**
- **Maintenance or repair of this product should be carried through by technical maintenance personnel of our company or technical maintenance personnel authorized by our company. Non-professional maintenance of this product will possibly lead to electric shock or other accidents.**
- **Please pull out the power line before cleaning, maintaining or changing the fuse and lamp bulb.**
- **Please keep this product away from the children.**

Maintenance and Care

- **Please keep the flash tube and modeling light clean. If there are strains on the flash tube or modeling light, please take them out with anhydrous alcohol. Please do not touch the flash tube or modeling light with your hands directly.**
- **Please cut off the power before changing the modeling light. The specification of the modeling light should be selected and used in strict accordance with the user manual. If not, this product will be damaged.**
- **Please pull out the power line if this product is not used for a long time.**
- **If this product needs to be stored or transported, please take down the modeling light and mount the tube protective cover on the flash head.**

Nomenclature

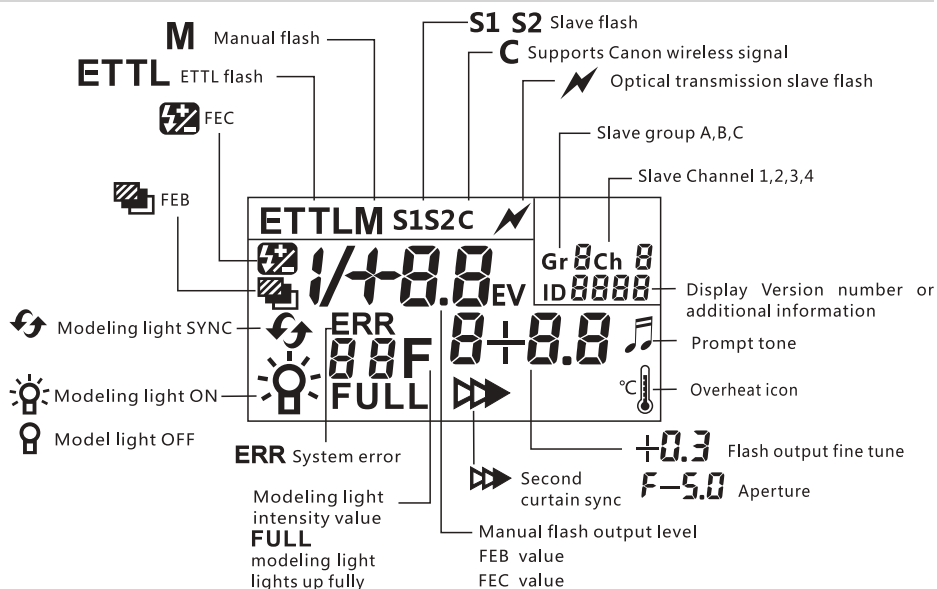


- 1) Accessories release key
- 2) Tube protective cover
- 3) light-control receiver
- 4) Hot-shoe socket
- 5) Lamp bulb
- 6) Flash tube
- 7) Reflector cover (Optional part)
- 8) Umbrella holder
- 9) Hot-shoe stand interface
- 10) Power socket
- 11) LCD display screen
- 12) Flash sync socket
- 13) USB port
- 14) TEST button/
Recycling time indicator
- 15) MODE button
- 16) Sync button
- 17) Stepless knob
- 18) Light stand lock knob
- 19) Handle
- 20) Fuse socket
- 21) Power switch/Power indicator
- 22) MODEL button
- 23) SET button
- 24) Lock knob

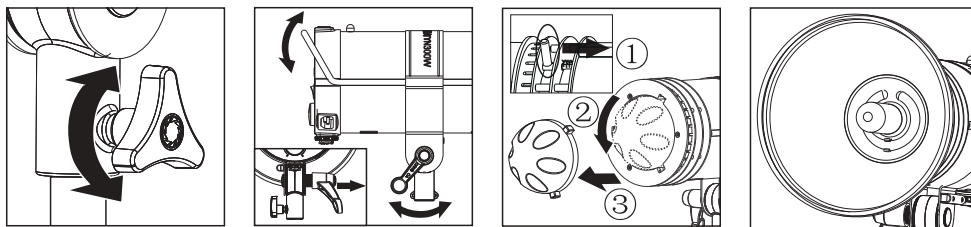
Components Introduction

- 1)**Accessories release key:** Press accessories release key to connect or release the accessories (such as reflector cover or tube protective cover) of the flash head.
- 2)**Tube protective cover:** When this product is stored or transported, the tube protective cover is used for protecting the flash tube.
- 3)**Optical control receiver:** Optical control receiver is a receiver in optical control mode.
- 4)**Hot-shoe socket:** The hot-shoe socket is used to secure wireless trigger or other accessories.
- 5)**Lamp bulb:** E27 150W
- 6)**Flash tube:** 300WS
- 7)**Reflector cover (optional part):** to reflect the light.
- 8)**Umbrella holder:** An umbrella holder is used for installing reflective umbrella or soft light umbrella.
- 9)**Hot-shoe stand interface:** Wireless TTL transceiver or TTL connecting wire is connected to the flash via Hot-shoe stand interface.
- 10)**Power socket:** To connect AC power cord.
- 11)**LCD display screen:** The current working status, function, and flash power etc will display on the LCD display screen.
- 12)**Flash sync socket:** To connect triggering cable to camera or wireless transceiver and used cooperatively with the camera to sync flash.
- 13)**USB port:** The firmware of the flash can be upgraded by connecting this flash to computer via USB port.
- 14)**TEST button/Recycling time indicator:** This indicator will light up in green when the flash is charging and in red when the charging is completed. Press [TEST] button, this flash will test the flash.
- 15)**MODE button:** Flash mode button, Prompt tone button.
- 16)**SYNC button:** The shutter sync function and modeling light sync function will be set by pressing [SYNC] function.
- 17)**Stepless knob:** By rotating the stepless knob rightwards or leftwards, or pressing the stepless knob, you are able to quickly adjust the flash power, modeling light power and etc.
- 18)**Light stand lock knob:** A light stand lock knob is used to secure the flash on the light stand.
- 19)**Handle:** By holding the handle, it's much convenient when lighting.
- 20)**Fuse socket:** The specification of the fuse socket is 250V T6.3A.
- 21)**Power switch/Power indicator:** When the power switch is set to ON, the flash is powered on and the light indicator will light up; p when the power switch is set to OFF, the flash is powered off.
- 22)**MODEL button:** Press [MODEL] button to turn on or off the modeling light and select modeling light modes.
- 23)**SET button:** By pressing [SET] button, you can set various parameters of this flash.
- 24)**Lock knob:** Lock knob is used to adjust and fix the angle of the flash body.

LCD display screen



Before Use-Fix and Install

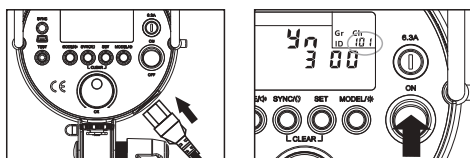


1.Fix the flash:Fit the flash to the light stand and secure it by screwing up the lock knob on the light stand.

2.Adjust flash head angle:Adjust the angle of the flash body and screw up the knob to fix the angle.

3.Install (Remove) accessories:Press accessories release key, rotate and remove the flash tube protective cover, and then install the reflector cover (optional part) on the flash head.

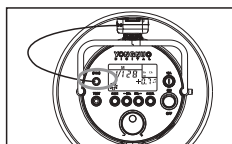
4.Install modeling light



6.Connect power line: Connect the power line to the power socket.

7.Turn on the power:By setting the power switch to ON, the flash is powered on, the light indicator and the display screen lights up. The screen will show the current version number. When the power recycling indicator lights up in green, it's indicating that the flash is charging; when the power recycling indicator lights up in red, it's indicating that charging is completed and the flash is ready.

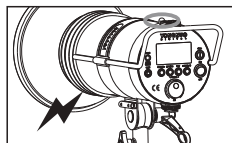
Before Use- Select A Triggering Mode



1).Trigger through sync interface

Use the camera or the universal wireless trigger to flash synchronously by inserting the triggering line to the 6.35MM sync interface.

Supported flash mode: M



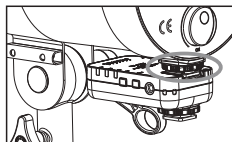
2).Trigger through light-control

A: Use the flash to trigger synchronously (S1, S2)

Supported flash mode: M

B: Trigger with the flash in master mode (optical transmission)

Supported flash mode: ETTL, M



3).Trigger through hot-shoe stand

A: It's recommended to use YN622C (ordered additionally) with 2.4G E-TTL wireless triggering system to trigger the flash.

B: Use E-TTL extension cord

Supported flash mode: ETTL, M

Basic Operation

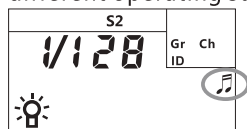
1.Button control:

Component	control
Power switch	When the power switch is set to ON, the flash is powered on and the indicator lights up; the flash is powered off when set to OFF.
MODE 	By shortly pressing this button, the flash mode of the flash will be switched between ETTL, M, optical transmission, S1 and S2. When press and hold down this button, the prompt tone will be activated or deactivated.
SYNC 	By shortly pressing this button, the flash will be switched between first curtain sync and second curtain sync. After the modeling light is enabled, press and hold down this button to turn on or off the modeling light sync function.
SET	In every different mode, select different options (such as channel or group in optical transmission mode, FEB in E-TTL mode, custom modeling light power etc.) by shortly pressing this button.
MODEL/ 	Shortly press this button to turn on or off the modeling light; Press and hold down this button to set the modeling light modes (proportional/custom power).
Stepless knob	Stepless knob is used to set various parameters. The parameters will be decreased when rotating this knob leftwards and increased when rotating this knob rightwards. Save and exit parameter setup by pressing this knob.
Test button	Test button is used as both test button and recycling time indicator. When the flash is charging, the indicator will light up in green; when the charging is completed, it will light up in red. Press this button any time you test the flash.

*Press any button the display screen backlight will light up for seconds.

2.Prompt tone:

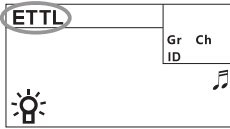
Press and hold down [MODE] button to activate the prompt tone. According to different operating states, the flash will make different sounds.



The sound form	Meaning	Operation
Tick twice	The flash is turned off; A flash is obtained;	Normal
Tick a long sound	Charging is completed	Normal
Tick-tick-tick, tick-tick-tick	Flash is in overheat protection state and it is temporarily closed;	Wait until the overheat protection icon is canceled.
Tick—tick—tick—tick—tick	Power recycling is abnormal; Flash is in overvoltage protection state;	Restart the flash. If the problem still exists, please contact us!

Operation

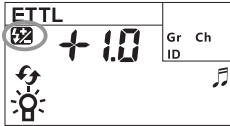
1. E TTL: E TTL auto flash mode supports FEB, FEC, second curtain sync, exposure lock and visiting Canon camera menu etc.



1). Set the flash mode as <ETTL>

By shortly pressing [MODE] mode, the flash mode will be set as <ETTL>.

2). E TTL flash exposure compensation (FEC): The FEC range of the flash is from -3 to +3. It's supported to set up the FEC value in 1/3 f-stop increments within the range from -3 to +3.

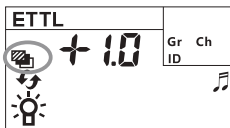


FEC settings

Set the FEC value by rotating [Stepless knob].

FEC

3). E TTL flash exposure bracketing (FEB): The FEB range of the flash is from 0 to 3. It's supported to set up the FEB value in 1/3 f-stop within the range from 0 to 3.



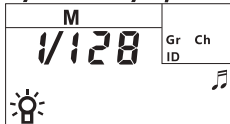
FEB settings

- 1). Press [SET] button and the screen will display < >.
- 2). Rotate [Stepless knob] rightwards to set the FEB value.

FEB

• In E TTL mode, press [SET] button to switch and set FEC or FEB. When it's used cooperatively with FEC, the screen will display the superposition value of FEC and FEB according to the sequence of the flash exposure bracketing.

2.M: Manual flash mode. The flash output range of the flash is 1/128~1/1, which can be adjusted in 1/3 f-stop increment.



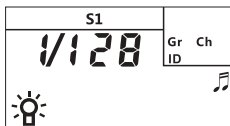
1). Set the flash mode as <M>.

Shortly press [MODE] button to set the flash mode as <M>.

2). Set the flash output.

Adjust the flash intensity directly by rotating the knob rightwards or leftwards.

3.S1/S2 mode: Slave flash mode S1 and S2 are suitable for using in manual flash condition and TTL flash condition respectively. When the flash is used in these two conditions, the output power should be adjusted into the same level as the flash is in M mode.



Shortly press [MODE] button to set the flash mode as <S1> or <S2>.

S1 mode: The flash will fire simultaneously with the first flash emitted from the main flash in S1 mode. The main flash should be set as manual flash mode.

S2 mode: S2 mode is named as "pre-flash cancelling mode" as well. The pre-flash emitted from TTL flash will be neglected and this makes the main flash working in TTL mode possible.

• When using flash in S1/S2 mode, the red-eye reduction function, instruction master mode and wireless mode of the main flash should be disabled.

Operation

4. Wireless slave flash: Optical transmission

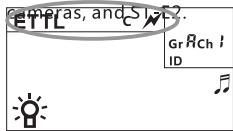
The flash supports shooting through wireless slave flash (optical transmission). This operation requires the main flash possesses the optical transmission function and the flash mode can be set up by the main flash.

Supported flash mode: ETTL, M;

Supported communication channel: 1,2,3,4;

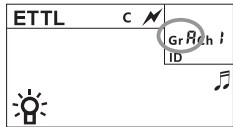
Supported Group: A/B/C;

Supported main control unit: YN568EX II, 580EX(II), 600EX(RT), built-in flash of 7D,60D,600D or other



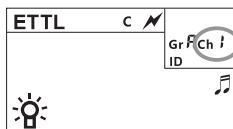
1). Set the flash mode as < > optical transmission.

Shortly press [MODE] button till the screen displaying the flash mode is set as <  >.



2). Set the groups <Gr>

Shortly press [SET] button until <Gr> parameter blinking, and then rotate [Stepless Knob] to set the groups.



3). Set the channels <Ch>

Shortly press [SET] till <Ch> parameter blinking, and then rotate [Stepless Knob] to set the channels.

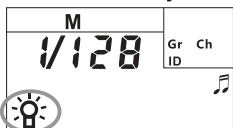
4). Master control unit setting

Set flash mode for each group on the master control unit. Refers to the details about using the master control unit, please see the related instruction manual.

The setting parameters on the display screen will change after the flash is completed.

5. Modeling Light Settings

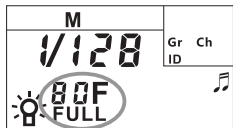
Modeling light function, such as modeling light proportional adjustment, modeling light custom intensity and modeling light sync function, can be used in any flash modes.



Proportional adjustment function

1). Turn the modeling light on

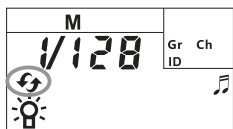
By shortly press [MODEL] button, the modeling light will be turned on or off. It defaults to modeling light proportional adjustment function. In manual flash mode, the modeling light will change along with the flash output.2). Modeling light custom intensity



Custom intensity

2). Modeling light custom intensity

Press and hold down [MODEL] button to display the custom modeling light intensity. Shortly press [SET] button and rotate the [Stepless knob] to change the intensity value (10-80F). If the modeling light lights up fully, character <FULL> will display on the screen. After all the modification is completed, press [Stepless knob] to save and exit. 3). Modeling light sync



Sync function

3). Modeling light sync function

Press and hold down [SYNC] button to turn on the modeling sync function. At the meanwhile the flash flashes, the modeling light sync function is disabled. It will restore when the flash power recycling is completed, and the modeling will be normally on after pressing and holding down [SYNC] button.

• In M optical transmission mode, after setting up the flash output in the camera, the flash should pre-flash once firstly, then the modeling light intensity will change along with the flash output proportionally.

Operation

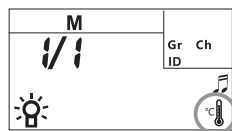
6. Overheat (flash) Protection

In order to protect the service life of the flash, the system limits the guide number of the flash in a way.

1). When the flash flashes with full power in M mode, if the guide number is over 30 times in 5 minutes, the overvoltage protection will be activated automatically. The flash will return to normal after standing for 5 minutes.

2).When in E TTL mode flashing, the flash will calculate the maximum number of flashes according to the actual flash output.

- When the overheat protection mechanism started, the flash screen will blink with the “overheat” icon, and with prompt sound. The flash stop recycling and flashing. Until the “overheat icon disappeared, the overheat protection mechanism will be removed. Then the flash will recover to normal work.



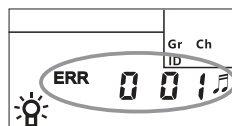
Overheat Protection

7. Overvoltage Protection

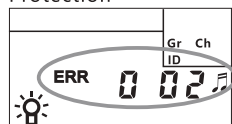
In the shooting progress, if the inner voltage of the flash is over-high, the flash will activate overvoltage protection mechanism automatically. The screen will display an ERR icon and an error code 0x01. At this time, the flash needs to be restarted. If the abnormal condition still exists, please contact manufacturer.

8.Abnormal Power Recycling

In the shooting progress, if the power recycling time of the flash is over 5 seconds, it will be defined as abnormal power recycling by the system automatically. The screen will displays an ERR icon and an error code 0x02. At this time, the flash needs to be restarted. If the abnormal condition still exists, please contact manufacturer.



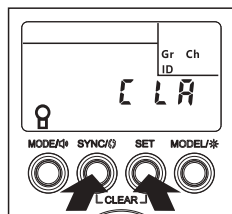
Overvoltage Protection



Abnormal Power Recycling

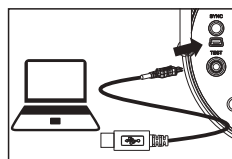
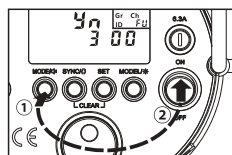
9. Restore Factory Settings

Press [SYNC] button and [SET] button simultaneously till CLA displaying on the screen, then the flash will be reset to defaults.



10. USB Firmware Upgrade

- 1).Visit YONGNUO official website (<http://www.hkyongnuo.com>) to download the firmware upgrading driver and the firmware of the latest version.
- 2).Turn off the power, and at the meanwhile you are pressing <MODE> button, turn the power of the flash back on. Then, the screen will display an interface indicating firmware upgrade is accessible.
- 3). Connect the flash to PC with a USB-MINIB cable (not included).
- 4). Follow the tips on the software to finish firmware upgrade



Troubleshooting

1.The power indicator doesn't light up.

Check if the power socket and the power line are well connected; check if the fuse is in good condition.

2.The flash doesn't flash.

Check if the flash is using in correct triggering mode; Check if the sync cable loosens when the flash is using it; check if the master control unit is set behind the studio flash and make sure there is no obstacle in front of the optical-control receiver when triggering through optical control; when triggering through hot-shoe stand, check if it's well contacted.

3.The modeling light doesn't light up.

Check if the modeling light is activated; check if the lamp bulb loose or damaged.

4.The images are underexposed or overexposed.

Check if the shutter setting, aperture and ISO setting of the camera are too close to the limitation of the flash.

Specification

Model: Studio Flash YN300W

Flash power: 300WS

Guide number: ISO-100 58M

Color temperature: 5500K~6700K

Supply voltage: AC185~265V 50Hz

Fuse: 250V T6.3A

Lamp bulb: E27 220V 150W

Sync voltage: DC3.3V

Recycling time: 0.1~0.6S

Flash duration: 1/33000S~1/800S

Power regulation: 1/1~1/128

Modeling light mode: sync mode, proportional mode, custom mode, off mode

Flash mode: ETTL, M, Canon optical transmission, S1, S2

External interface: hot-shoe, PC port, USB port

Trigger method: via sync interface, hot-shoe stand or light control

Dimension: 312×156×391MM (Handle is not included)

Weight: 3.4KG

Contained items: flash (1), lamp bulb (1), 5m power line (1), warranty card (1)

The functions in this manual are acquired based on the test condition of our company. Product design and product specification are subject to change without further notice.

The YONGNUO logo in this manual includes the registered trademark or trademark of SHENZHEN YONGNUO PHOTOGRAPHY EQUIPMENT Co., Ltd in China or/and other countries (regions). All other owned trademarks are the property of their respective owners.

If you have any questions about usage or maintenance of this product, please feel free to contact us!

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Add: A511,5/F, Building 2, Saige Science and Technology Park, North of Huaqiang Road, Futian, , ShenZhen, China

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Web: www.hkyongnuo.com

After-sales Service TEL: 400-0013-888