



## User Manual of Flash Light



# DF-400

Thanks for purchasing our products, in order to increase efficiency of using our product, please read the user sheet completely before your operation

### ■ For your safety

Before using your product, please read the following safety notice carefully and thoroughly to ensure correct and safe operation, so that prevent damage to your product or injury to yourself or others

- ⚠ Disregarding instructions marked with this symbol could result in personal injury, or death and property damage
- Do not use the unit in the presence of flammable or explosive gas. If the flash unit operated in areas where there is a flammable gas, including propane, gasoline and dust, it could cause an explosion or fire
- Please do not attempt to disassemble or repair the flashlight, otherwise may cause electric shock, to cause harm
- Do not put your hands covering the flash light-emitting area, and do not touch the light-emitting area after continuous flash, or it may burn your skin. If you detect heat, smoke or notice a burning smell, immediately stop operation and remove the batteries, and contact the dealer or service center
- Do not fire the flash unit directly at the driver of a moving car, as this could temporarily impair the driver's vision and cause an accident
- Do not fire the flash unit directly into the eyes of someone that is at close range, as it could damage the retinas of their eyes. Within 1 meter flashlight flash can cause blindness in children
- Be sure to use only batteries specified in this user's manual
- Do not mix different types, brands or old and new batteries, the batteries could leak corrosive liquids, explode or catch fire
- If found abnormal phenomenon such as smoke, peculiar smell or abnormal noise, please stop using immediately, in order to prevent the cause of fire or burns
- Please take out the battery, be careful not to get burnt, and contact the dealer or repair center
- Please do not use wet hand operating this product, otherwise may lead to failures and get an electric shock

### 1. Feature

- Universal low-pressure trigger flash, and S1, S2 wireless trigger flash
- Support flash brightness control
- Highly sensitive wireless sensor allows the camera to trigger the flash fires in the far distance
- Standard Canon external power socket helps your quick flash requirement
- Standardized PC synchronous port (input)
- Super speed of charging recycle. It only takes 3 seconds to finish a charging cycle after a full level output
- Automatic saving function keep the current setting to the flash light saved

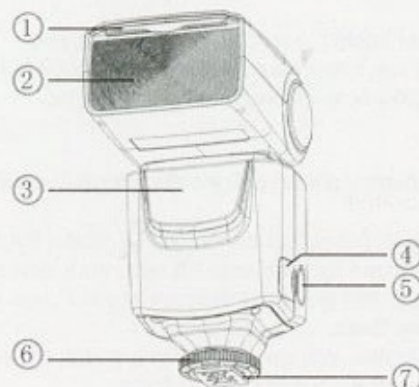
### 2. Fit For:

- Canon EOS and Power shot series digital camera
- Nikon DSLR
- RICOH DSLR
- Olympus Four Thirds digital camera
- Olympus Micro Four Thirds digital camera

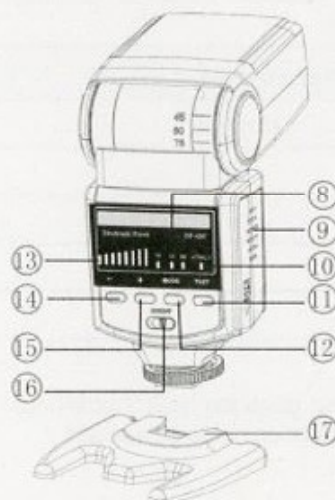
- Nikon Coolpix series digital camera with hot shoe
- Fujifilm DSLR
- Pentax DSLR
- Samsung DSLR

- Panasonic Four Thirds digital camera
- Panasonic Micro Four Thirds digital camera

### 3. Flash light profile indication



1. Built-in Wide Panel
2. Flash Head
3. Wireless sensor
4. Socket cover
5. PC Socket
6. Lock Ring
7. Hot Shoe Stand



8. Mode Select Indicator(M,S1,S2)
9. Battery Cover
10. Power Switch
11. Test Button
12. Mode Select Button
13. Output Level Indicator
14. Flash Power Level Button <-->
15. Flash Power Level Button <-->
16. Charging Indicator
17. Pedestal

### 4. Installation Instruction

#### 1. Install batteries

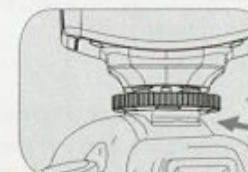
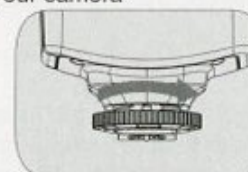


Open the battery cover	Insert batteries	Close the battery cover
Slide the battery bay cover in the direction of the arrows to open	Insert the batteries. With polarity according to the label inside battery bay. Make sure the battery polarity correct	Close the battery bay cover in the direction of the arrows

#### ⚠ Note:

- Please use 4 pieces AA batteries, batteries with broken skin are not allowed in case of short circuit hazard
- Replace the battery, please replace the 4 batteries at the same time
- Long time don't use flash light, be sure to take out the battery

#### 2. Mount the flash light on your camera



Unscrewed the locking ring	Install flash to the camera	Tighten the locking ring
According to the direction indicated by an arrow lock ring to make it loosen	Slip the flash light hot shoe stand into the camera hot shoe stand until it stop	Turn the locking ring in the direction of the arrow tighten (To detach the flash light, loose the locking ring by turning it in the opposite direction)

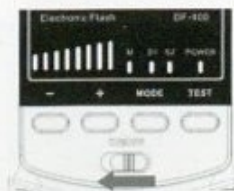
⚠ Note: install and remove the flash before, please be sure to turn off your flash

### 5. Flash operation

#### 1. Open the power switch



- Set the POWER switch to "ON " flash start initialization, all will shine once, lights flash start charging, the POWER light is lit green
- Flash charging is completed, the POWER indicator light is red, when to start shooting
- Need to TEST flash, please press the TEST button
- Need to turn OFF your flash, please put the switch set to <OFF>



⚠ Note: Do not apply to flash for a long time, the power switch must be hit < OFF > status, and remove the battery

## 2. Flash intensity output control

- Flash has eight flash output light intensity. Eight intensity of flash lamp will not light at the same time, there will be only one of the brighter displays the current flash intensity
- Flash output via the < + > buttons and < - > button can adjust to 1/128, 1/32, 1/16, 1/8, 1/4, 1/2, 1/1 (full power output). Through the button < + > and < - > button cycle Settings

## 3. M mode

Through < MODE > button selection MODE. In this mode, you can according to your own preferences flash brightness. When shooting, you only need to set up flash light, adjust the camera by pressing the shutter, the flash light will flash under the camera synchronous signal

## 4. S1 mode

Through < MODE > button selection S1 MODE. In this mode, DF – 400 trigger first flash synchronously with the main flash flash, effect and use wireless flash trigger consistent. To use the normal mode, your main flash should be set to manual flash, flash TTL flash system should not be used and should not be used repeatedly flashing red eye relief function

## 5. S2 mode

Through < MODE > button selection S2 MODE. S2 mode is also known as "flash cancel mode", this mode is similar to S1 mode, but it can ignore the TTL flash fire, So you can flash support work in TTL mode. In particular, if S1 mode is unable to synchronize with your built-in flash flash, you can try to use S2 mode

⚠ Note:

- Use of S1, S2 mode should be rotating flash lamp holder, the sensor at master lamp.
- Using mode of S1, S2, avoid the following conditions: advocate the lamp use red eye relief function; Advocate the lamp use instruction mode (Nikon) or wireless mode (Canon)

## 6. Automatic save function

Flash of each operation, it will automatically save the current settings

## 7. PC synchronous port input

Flash a synchronous port is used for connecting the flash from the machine connecting line, flash can be away from the machine. Please pay attention to the PC sync flash only accept synchronous signal input interface, does not support synchronous signal output

## 8. External power supply box

Flash has a Canon standard external power socket. You can buy this company produces the power supply box, also can use other manufacturers, connect it to flash the charging port, flashing after, power supply box will flash light for charging

## 9. Power saving function

- Flash light has auto sleep function to save battery power, prolong the effective use of time of the battery
- Enter dormancy, flash all the indicator light goes out except the POWER indicator light, The POWER indicator light will start flashing green light and with 0.5 seconds intervals
- In the M mode, flash light idle for 5 minutes, Will go into a dormant state. Press < TEST > button or open camera can awaken flash
- In S1 / S2 mode, flash light idle after 40 minutes, Will go into a dormant stat, Press < TEST > button, open the camera or external flash can awaken flash

## 10. Protection function

- To prevent overheating of DF – 400, please in the maximum number of consecutive flash, wait at least 10 minutes DF – 400 cooling down

Continuous flashing maximum times	
Power level	Number
1/1, 1/2	20
1/4, 1/8	40
1/16, 1/32	80
1/64, 1/128	160

⚠ Note:

- Continuous flash shooting, the battery may also generate heat, Continuous flash when replacing the batteries, please pay attention not to be scalded

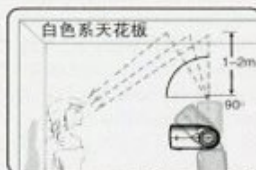
- Battery protection. When the response time for more than 30 seconds, the flash will stop charging, POWER indicator light red and green alternating with 0.5 seconds interval flashing, you should replace the battery

## 6. Advanced application

### 1. Reflex flash

In the use of flash directly when shooting, flash exposure on the body, sometimes will have a strong projection on the body contour. Reversing lamp will flash, reflecting on the ceiling or wall, flash reflection after exposure to the main body, can soften the flash, flash of light caused by the shadow will diminish

- Using reflection flash, metope and ceiling reflections with smooth surface of the white is the best using the built-in wide-angle diffusion and reflectors



### 2. Using the catch light panel and wide-angle diffuser board

Macro photography, filming, close range need soft flash lighting or performance figures look light, lamp holder can use DF - 400 built-in wide-angle diffusion and reflectors

- At close range if the subject (2 meters), the flash lamp holder upward of 90°, pulled out a white reflectors. As usual, reflex flash can make become natural and downy
- In portrait photography, also can be pulled out to use wide-angle diffuser. Wide-angle diffuser can make the light soft, get natural flash effect and the wide-angle diffuser can increase the coverage of the lamp lighting

## 7. Remove fault

### 1. Flashlight is not turned on

Check whether the battery is installed correctly and properly installed the battery

### 2. After each flash, need a long time to flash again

Run out of battery, if every time the charging time for more than 30 seconds to replace new batteries immediately

### 3. Don't flash installed on the camera flashlight

Please make sure the flash of the contact contact with the camera's hot shoe right, reinstall flash, may need to clean the contact

### 4. Wireless remote control does not flash

Please make sure the flash is in S1 or S2 mode, advocate the lamp and subordinate no obstacles between light shade. Confirm no glare on the wireless sensors

## 8. Specifications

electronic structure	Insulated gate double-click the transistor automatically ( IGBT )
Guide number	33 ( ISO 100/1M )
Power	4 × AAsize batteries
Battery life	110–1500 times ( AAalkaline batteries used )
Recycle time	3 seconds
Flash mode	M,S1,S2
Color temperature	5800K
Flash duration	1/200 seconds–1/20000 seconds
Flash control	Magnitude 8 brightness control ( 1/128–1/1 )
Dimensions	190 X 75X 55mm
Net weight	315g
Accessories	Flash light(1), protection bag(1), Mini stand (1), Instruction manual(1)