AP-UNV1 FLASH

USER'S MANUAL

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FOR YOUR SAFETY

Before using your product, please read the following safety notice to ensure safe and correct operation. This will prevent damage to your product or injury to yourself and others.

- Do not use the flash in the presence of flammable or explosive gas. If used in this environment it could cause a fire or an explosion.
- Do not attempt to disassemble or repair the flash unit. This may cause electric shock and will void the warranty.
- Do not cover the light emitting area of the flash while it is being used and do not touch that area after the flash has been used. Doing this could burn your skin.
- 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 their retina. Blindness in children can occur if the flash is fired within 1 meter.

• Be sure to only use the batteries that are specified in the instruction manual.

• Do not mix different types, brands or old and new batteries. The batteries could leak corrosive liquids, explode or catch on fire.

• If you notice smoke, peculiar smell or abnormal noise please stop using immediately. Remove the batteries carefully to not get burned and contact the dealer or repair facility.

• Do not use with wet hands or allow the flash to get wet. This could cause electric shock.

FEATURES

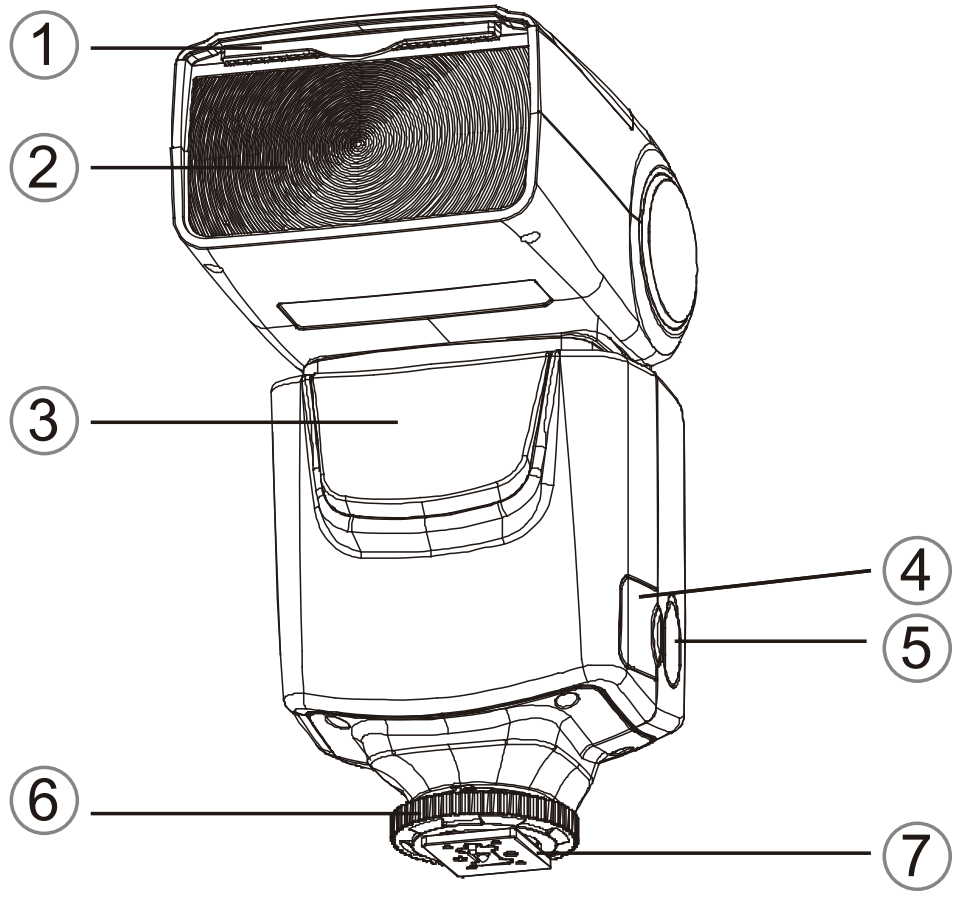
- Universal flash with wireless slave capabilities
- 8 levels of flash output power
- Guide No. 38m ISO 100
- 90 degree bounce
- 270 degree swivel
- Metal mounting foot
- Automatic standby mode to save batteries
- 3 second recycle time
- External power source socket
- PC terminal

COMPATIBLE WITH

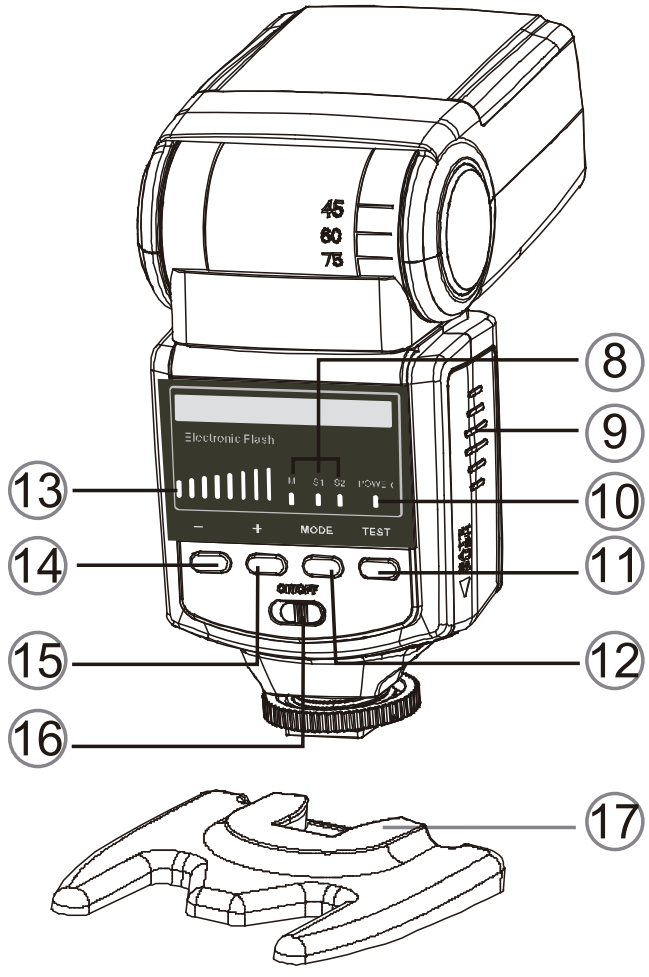
- Canon EOS and PowerShot series digital camera
- Nikon DSLR
- Ricoh DSLR
- Olympus Four Thirds digital camera
- Olympus Micro Four Thirds digital camera
- Nikon Coolpix series digital camera with hot shoe
- Fujifilm DSLR
- Pentax DSLR
- Samsung DSLR
- Panasonic Four Thirds digital camera
- Panasonic Micro Four Thirds digital camera

FLASH PARTS

1. Built in bounce card and wide panel
2. Flash head
3. Wireless Sensor
4. Socket cover
5. PC socket
6. Lock ring
7. Mounting foot

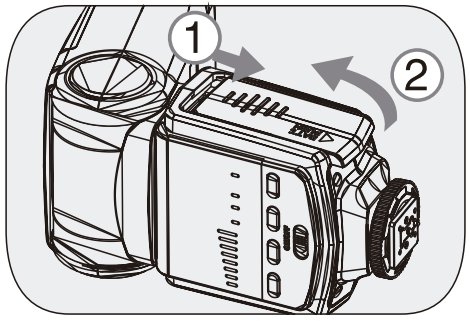


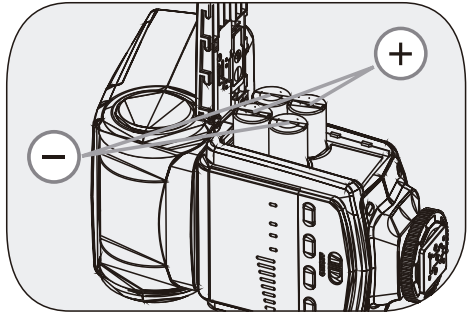
8. Mode Select Indicator (S1, S2)
9. Battery COver
10. Power Switch
11. Test Button
12. Mode select button
13. Output level
14. Flash power level button <_>
15. Flash power level button <+>
16. Charging indicator
17. Flash Stand

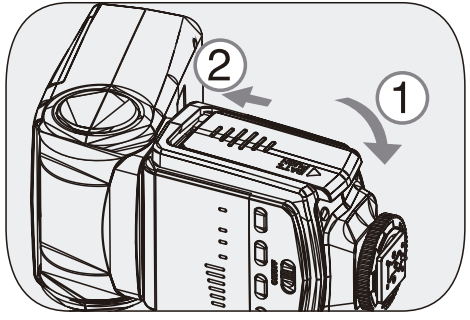


INSTALLATION

1. Installing the batteries





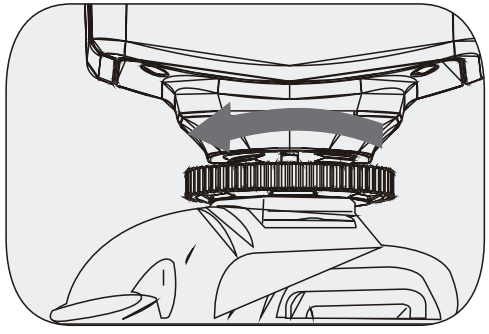


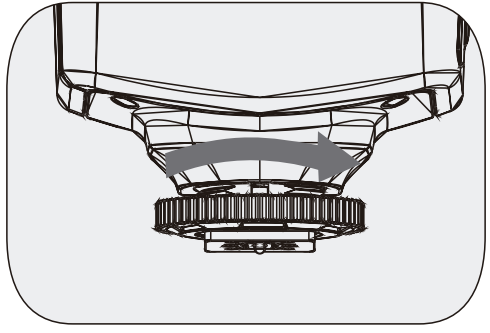
Open the battery cover	Install the batteries	Close the battery cover
Slide the cover to the bottom of the flash and then pull up.	Make sure the + & - battery contacts are inserted correctly as shown in the battery partment.	Close the battery compartment and slide the cover up until it clicks

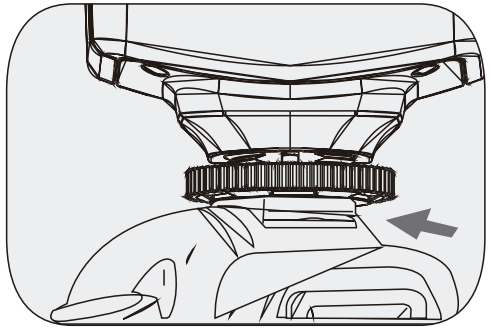
⚠ NOTE

- Only use AA/LR6 Alkaline batteries or if you prefer rechargeable batteries you can use AA Rechargeable Ni-MH.
- When replacing batteries use a brand new set from the same manufacturer.

2. Attaching the flash







Attach the flash	Secure the flash	Remove the flash
Slip the mounting foot all the way into the hot shoe of the camera.	Turn the locking ring to secure the flash on the camera.	Turn the locking ring in the opposite direction and pull the flash from the camera.

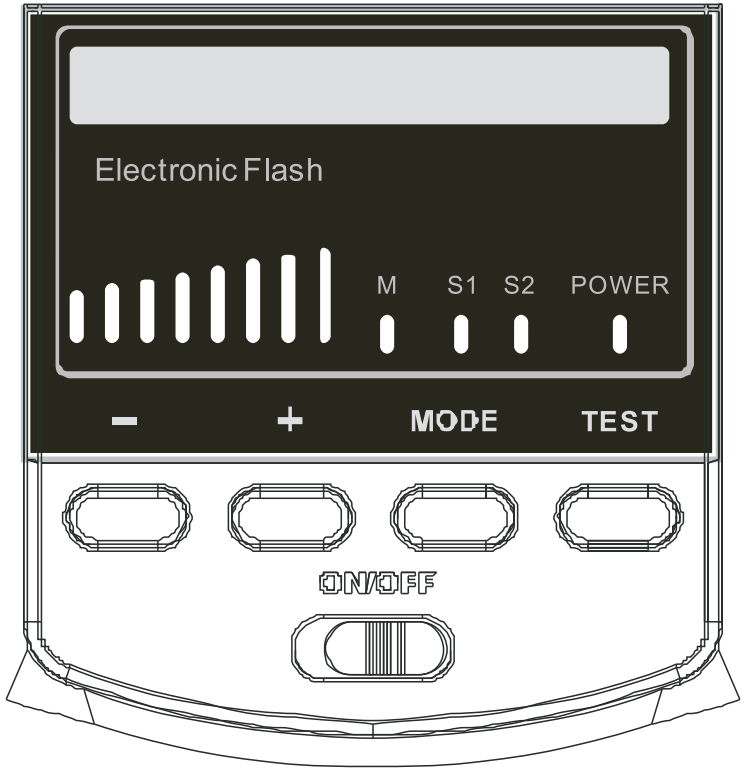
⚠ NOTE

- Remove the batteries when the flash is not being used.

FLASH OPERATION

1. Turning on the power

- Set the power switch to the ON position. All lights will come on.
- To test the flash press the TEST button.
- Start taking pictures when the power light is red.
- Turn the power off when done and only remove batteries while in the off position.



2. Flash Intensity Control

- There are 8 settings to control the output of the flash.
- They range from 1/128 1/64 1/32 1/16 1/8 1/4 1/2 and 1/1 (full power output).
- Select the desired level of output by pressing the + or – button.

3. M Mode

- This is your shooting mode when the flash is mounted on the camera. To select the M mode press the Mode button until M is illuminated.
- Your flash is synched to your camera and will fire when you take a picture.

4. S1 Mode

- This is the shooting mode to take pictures using this flash as a slave.
- Use this mode when your built in camera flash or master flash is set to Manual mode.

5. S2 Mode

• This is the second mode to use when you want to take pictures using this flash as a slave.

• Use this mode when your built in camera flash or master flash is set to TTL mode.

6. Automatic Save Function

• The last flash settings that you had before turning off the flash will be automatically saved. The settings will be saved even if you change the batteries.

7. PC Synchronous Port Output

• By connecting to this port you can remove the flash from the hotshoe. When the flash sync is triggered, a signal is sent from the camera along the wire to the flash telling it to fire.

8. External Power Supply Box

• Flash has a standard Canon external power socket. By using an external power supply you will extend the capacity of your flash.

9. Power Saving Function

• Flash has an auto sleep function to help conserve battery life when flash is not in use for 5 minutes and only when the flash is in the M mode.

• All lights will turn off on the flash except for the power indicator light. It will turn green and flash while on the power saving mode.

• To take the flash out of the Power Saving Function simply press the test button.

10. Protection Function

• To prevent the flash from overheating use the chart in the following page as a guide to let the flash cool down for 10 minutes.

CONTINUOUS FLASHING MAXIMUN 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

• With continuous flash shooting, the batteries may get hot. If you need to change the batteries be careful to not get burned.

• The flash will stop recharging once the batteries take more than 30 seconds. The power light will alternate red and green indicating that it is time to install a new set of batteries.

ADVANCED APPLICATION

1. Bounce Flash

• To soften shadows behind your subject aim the flash head toward a ceiling or wall. By bouncing the flash off the surface you will capture a more natural looking photograph.

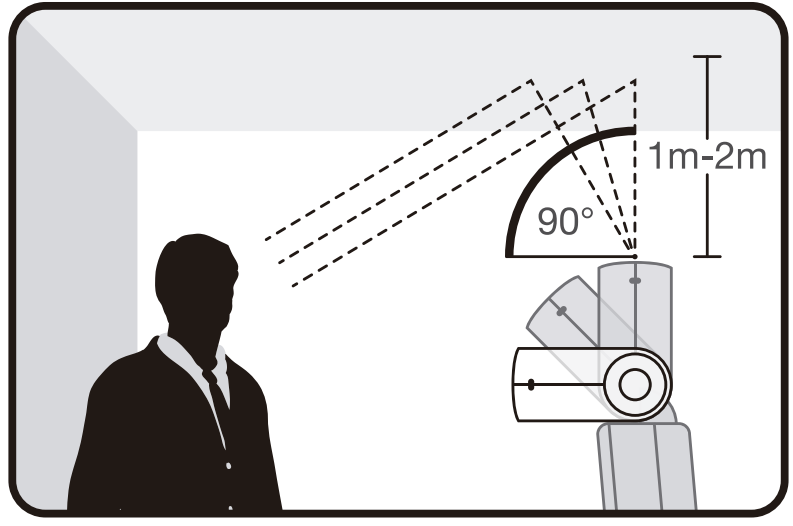
• If the photograph is not bright enough, then the ceiling or wall might be too far away. If this happens try using a larger aperture opening (smaller number).

• If the wall or ceiling are not plain white then you will get a color cast on your photograph.

2. Bounce Card

• The bounce card allows you to reflect light in a person’s eyes and create a more vivid expression.

• Mount the flash and adjust the bounce of the flash to 90 degrees. Do not rotate the flash and keep your subject within 4 feet.



3. Wide Panel

• The wide panel works well when photographing a subject at a very close range. If your subject is too far away then you might under expose and have to adjust your exposure in your camera's manual mode.

TROUBLESHOOTING

1. Flash will not turn on: Make sure that the batteries are installed in the right position and the flash is turned to the on position.

2. After taking a picture the flash takes a long time to be ready again: It is time to replace the batteries in the flash.

3. Flash does not fire while on the camera: Turn off the flash, remove from the camera, clean the contact on the camera hot shoe and on the flash, install the flash on the camera and tighten the lock ring.

4. Flash does not fire as a slave: Make sure that the flash is turned on and set to either S1 or S2 mode.

SPECIFICATIONS

Guide No.	38 ISO 100
Power	4 x AA size batteries (Alkaline or Ni-MH are usable)
Lighting Time	100 - 1500 time (AA Alkaline battery used)
Recycle Time	Approx 0.1 - 5s (AA Alkaline battery used)
Flash Mode	Manual, S1, S2
Vertical Rotation Angle	0 - 90 Degrees
Horizontal Rotation Angle	0 - 270 Degrees
Light Quantity Output Control	With 1/8 strop increment

Color Temperature	5600±200k
Flash Duration	1/200 - 1/20000s
Dimensions	190*75*55mm
Net Weight	315g
Accesories	Flash Light (1) Protection Bag (1) Mini Stand (1) Instruction Manual (1) Warranty Card (1)

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