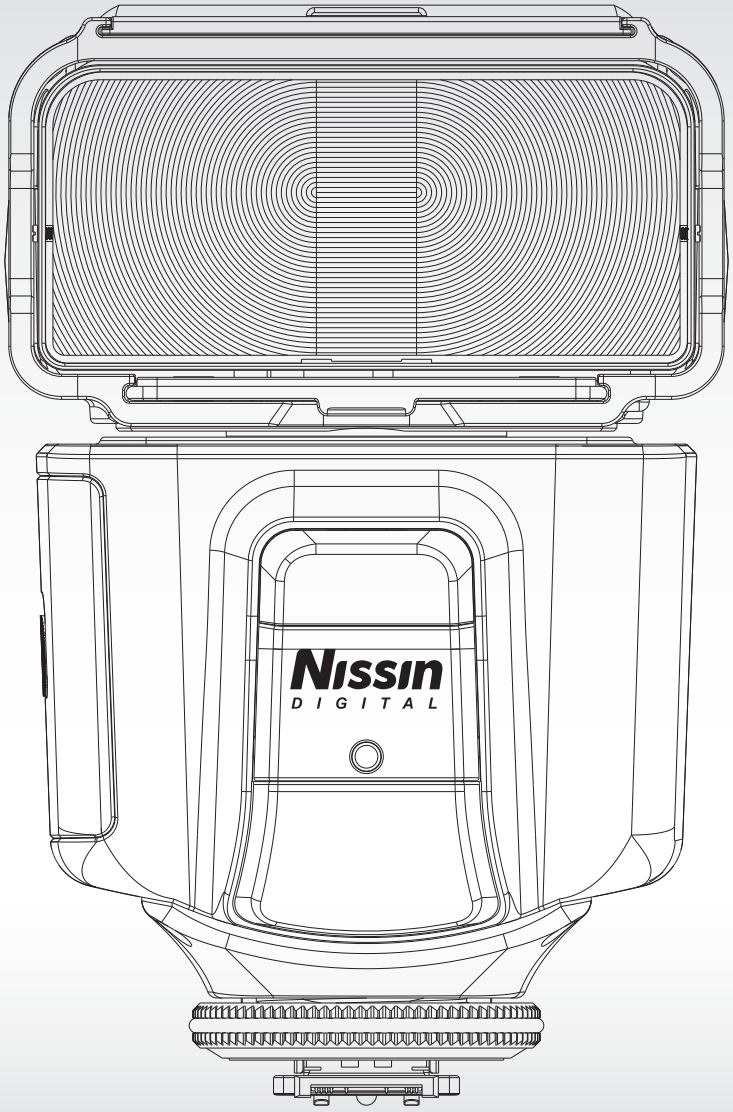
Nissin
DIGITAL

nAS
Compatible !
Nissin Air System

MG60

Canon / Nikon / Sony

INSTRUCTION MANUAL



NISSIN.JAPAN

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.

Thank you for purchasing a Nissin product

Before using this flash unit, please read this instruction manual and refer to the manual of camera owner carefully to get a better understanding of the proper operation to enjoy flash photography.

Nissin MG60 are designed for Canon / Nikon / Sony cameras, with the latest TTL (Canon: ETTL / ETTL II; Nikon: i-TTL; Sony: P-TTL) flash control system. Please note that MG60 are not usable with other branded cameras for TTL operation.

Compatible cameras

Please refer Nissin's compatibility chart shown at its home page for details and recent updates: http://www.nissin-japan.com or http://www.nissindigital.com

SAFETY INSTRUCTIONS

These safety instructions refer to important information on how to use this product safely and properly. Please read the following instructions before using the product.

WARNING

This symbol refers to the possibility of personal injury, death or property damage if not followed as described.

- The flash unit contains high voltage electric parts. Do not try to open or repair the flash unit. Return it back to the repair service station or the store where you bought it from.
- Do not touch the inside parts from the opening when the unit was dropped or broken.
- Do not shoot the flash directly to the eyes at short distance. It may damage the eyes.
- When taking a flash picture, especially toward a baby, it is recommended to keep the flash unit at least 1 meter (3.3feet) away from the subject. Or use diffuser or bounce the light to the ceiling or wall to soften its intensity.
- Do not place the flash unit near any flammable gas, chemicals or such liquids. It may cause fire or electric shock.
- Do not touch the flash unit with wet hands or use in the water. The flash unit carries high voltage inside and it may cause an electric shock.
- Do not shoot the flash unit directly at the driver of automobiles or such vehicles.
- Do not set the flash window close to the human body and shoot, which may get scalded.
- Place the batteries correctly in position. Placing the batteries in wrong polarity may cause leakage, exothermic heat or explosion.

CAUTIONS

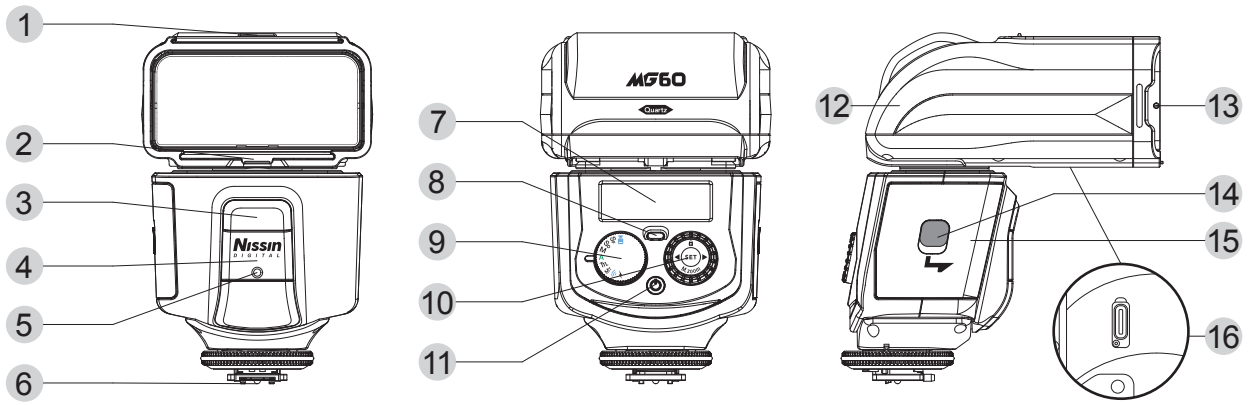
This sign refers to conditions which may cause damage or defect.

- Do not leave or store the flash unit in the temperature over 40ºC/ 104ºF, such as in the automobile.
- The flash unit is not water resistance. Keep the unit away from rain, snow and humidity.
- Do not use benzene, thinner or other alcoholic agents to clean the unit.
- Do not use this flash unit with cameras which are not recommended in the compatibility list at official website, otherwise it may damage the camera's circuitry.
- Remove the batteries when not in use for a longer period of time.
- Do not have a heavy impact to the flash unit, nor throw it onto a hard surface floor.

INDEX

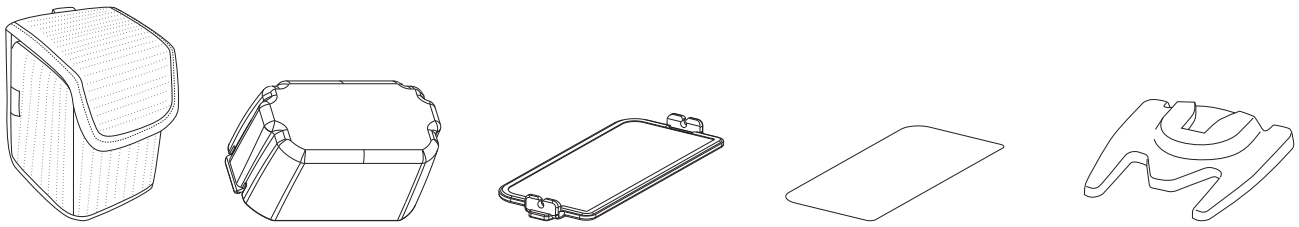
Components 4
Operation ..... 5 - 6
Mode dial 7
- Video light 9
- Shooting MG60 automatically ..... 10 - 11
- TTL 12
- Manual exposure flash 13
- Multi-flash ..... 14 - 15
- Wireless slave SD/SF 16
- Optical wireless 17
- Radio wireless - NAS ..... 18 - 19
Control dial 8
- Set button 20
- Arrow button 20
- Manual zoom 20
- Buzzer 21
Flash head operations ..... 22 - 23
AF assist light emitter 24
Firmware update procedure 25
Specifications 26
Guide number table 27
Trouble Shooting 28
Warranty 29

Components



1 Fill-in reflector
2 Light diffusing panel
3 Video light
4 Remote/ Slave sensor
5 AF-assist light
6 Mounting foot and Hotshoe contacts
7 Colour monitor
8 Pilot button (Test flash button)
9 Mode dial
10 Control dial and button
11 Power button
12 Flash head
13 Magnetically contacted zoom head
14 Unlock button
15 Battery compartment door
16 USB service port
(for firmware update)

Accessories:

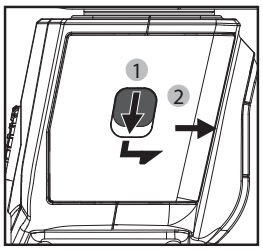


Pouch | Soft box | Filter holder | Colour Gel (CTO) | Flash stand

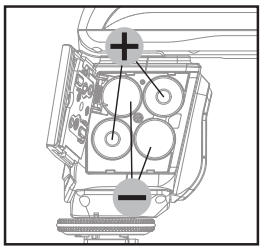
Operation

Inserting batteries

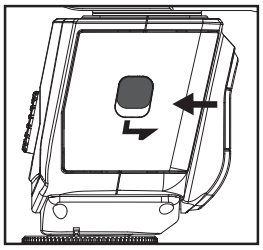
1. Open the battery compartment door and insert 4 x 14500 Li-ion or size AA rechargeable batteries as shown in the picture.



2. Make sure the + and - battery contacts are correctly inserted in the battery compartment.

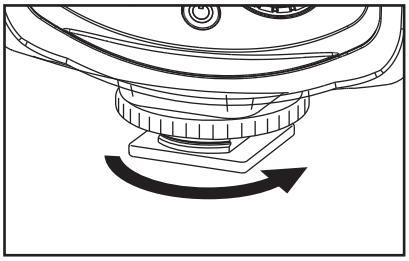


3. Close the battery compartment door and slide it back in place.

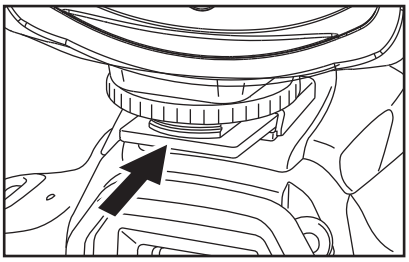


Mounting MG60 on the camera

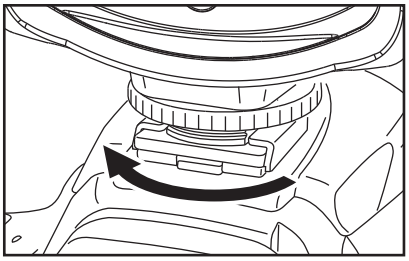
1. Turn off MG60.



2. Turn the lock ring of MG60 to loosen it all the way as shown in the picture.



3. Slide the mounting foot of MG60 into the hotshoe of the camera.

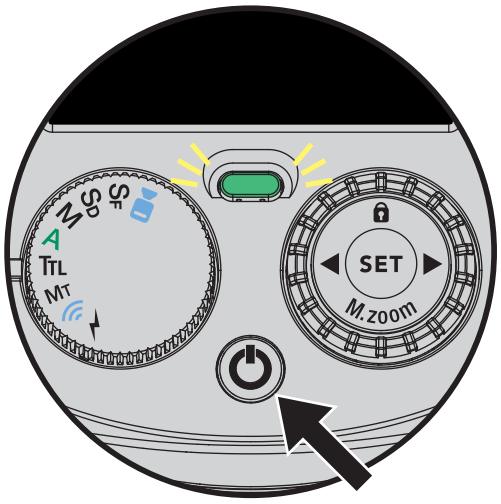


4. Turn the lock ring to opposite direction and tighten it.

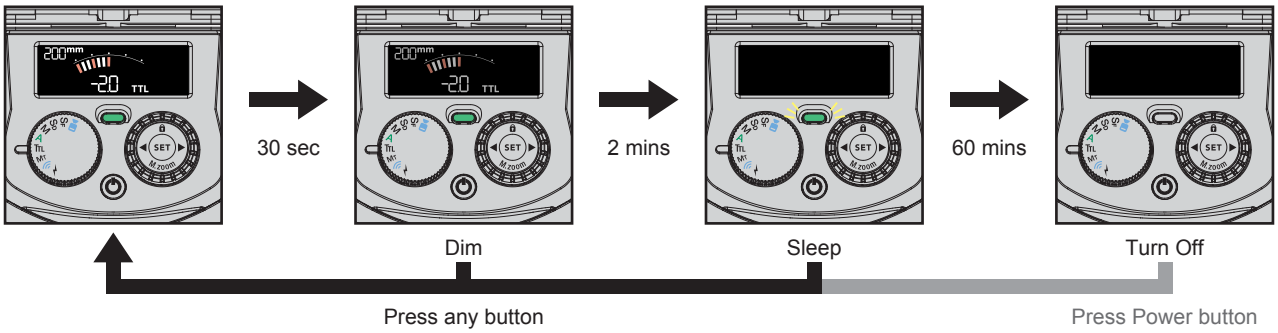
Operation

Turn on the flash unit

- Press the On / Off switch and Pilot button turns red, showing the unit is turned on.
- In a few seconds, the Pilot button turns green. The MG60 is ready to shoot.
- For a test flash, press the Pilot button.
- To turn off the flash unit manually, press the On/Off switch once.



Energy saving

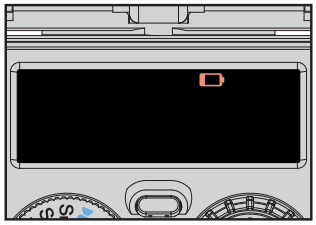


Battery status

A battery signal shown on the screen mean:

- Wrong insertion of battery (battery type / position)
- Low battery

The MG60 will turn off after 30 seconds



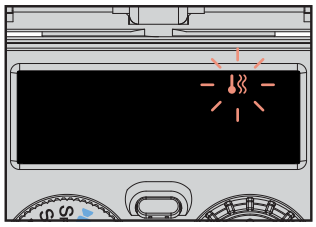
It is recommended to use 4 batteries in the same brand and type, and replace them all at the same time.

Overheat

A overheat signal twinkling on the screen mean:

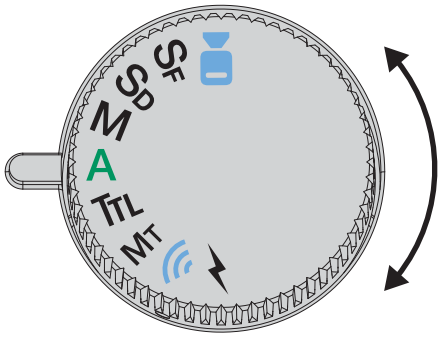
- Flash overheating
- Battery overheating

The signal will switch off when cool down.



Mode dial

MG60 flash mode



Rotate the dial to select a function.

Video light
Built in video light with 9 steps of output level adjustment.

Slave Film
SF

The flash is triggered by a light from another flash unit and synchronizes to the manual flash.

Slave Digital
SD

The flash is triggered by a light from another flash unit and synchronizes to the TTL flash.

Manual setting mode
M

Selecting the desired manual power on the flash unit.

Full automatic mode
A

Flash light is fully controlled by the camera for the most proper exposure.

TTL program Mode
TTL

Flash light is automatically controlled by the camera but the flash exposure value can be compensated.

Multi-flash mode
MT

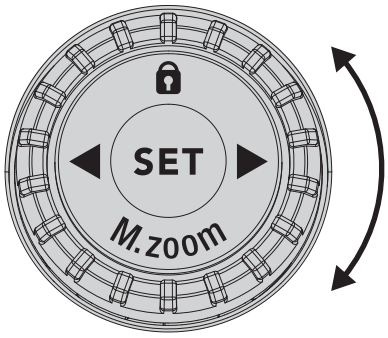
Shoot multiple successive movements in a single picture.

NAS mode
Radio wireless slave flashing through NAS commander.

Optical wireless mode
Synchronizes to the optical wireless remote flash system.

Control dial

MG60 functions control



Dial

Rotate to change power, select groups/ channel or switch on/off advanced setting

Lock

Hold the button for 1 second to lock or unlock all the buttons on the rigth side dial.

SET

Press to enter the advanced setting, press again to confirm setting and back to main page

Manual zoom

Hold the button for 1 second to change zoom head position

Arrow button

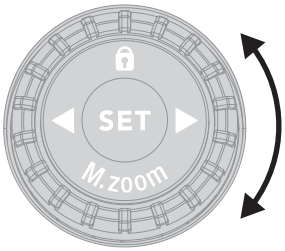
Press to select the advanced setting

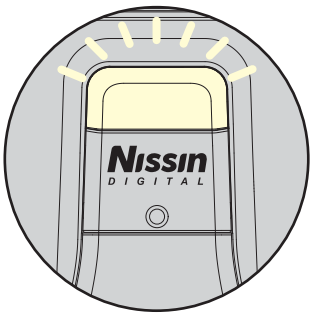
< Gr / Ch / OPEN / 🔇 / H >

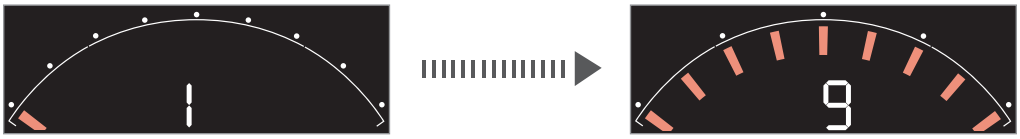
Mode dial

Video light

- Set MG60 to the camera's hotshoe and press the on/off switch to power on.
- Rotate the Function dial to mode.
- You can select the power by rotating the Power dial, 9 steps of output level can be adjusted.







NOTE

LED video light lighting time approx. 3.5 hours in full power batteries.

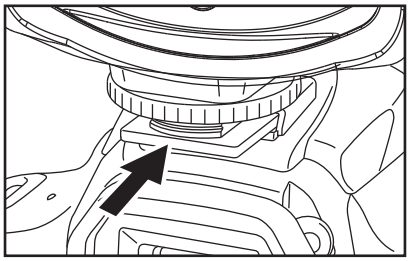
Mode dial

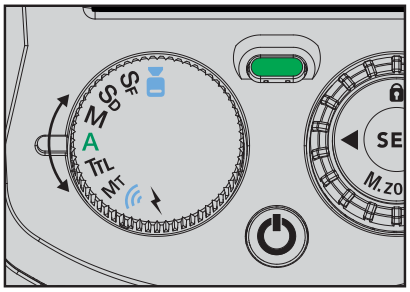
A Shooting MG60 automatically

Camera mode

Canon	Nikon	Sony	
[□]	[AUTO]	[AUTO]	Auto
[**P**]	[**P**]	[**P**]	Programmed Auto
[**Av**]	[**A**]	[**A**]	Aperture-Priority Auto
[**Tv**]	[**S**]	[**S**]	Shutter-Priority Auto
[**M**]	[**M**]	[**M**]	Manual

In the camera's shooting modes listed above, MG60 will fully work in TTL automatic-flash system.





- Set MG60 to the camera's hotshoe and press the on/ off switch to power on.
- Rotate the Function dial to **A** mode.
- MG60 is now set for the camera's automatic flash control system.
- Press the shutter button of your camera halfway to focus the subject.
- Shutter speed, aperture and flash mark (ϟ) are indicated in camera's view finder.
- Take the picture. MG60 is fired and the result is immediately shown on the camera's LCD display.
- When you change the focal length, the power zoom flash head of MG60 immediately sets its position to match the lens focal length you selected.
- The flash illumination coverage of MG60 responds to the lens focal length of 24mm - 200mm.

Mode dial

A Shooting MG60 automatically

Set the camera's shooting mode, select focal length and take pictures with MG60 on your camera.

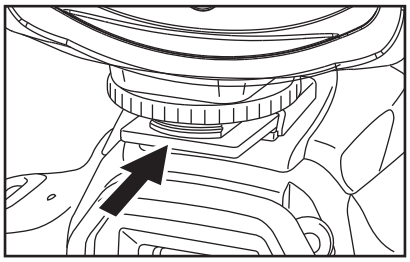
MG60 is a supplement to help you in taking a creative and live picture. Almost all tasks are automatically done by the camera and you just control the camera only.

Mode	Shutter Speed	Aperture Setting	Control on the camera
[AUTO]	Automatic	Automatic	Automatic
[**P**]	Automatic	Automatic	Automatic
[**S**]	Manual	Automatic	Any available shutter speed can be set
[**A**]	Automatic	Manual	Any available f-stop can be set
[**M**]	Manual	Manual	Any shutter speed / f-stop combination can be set

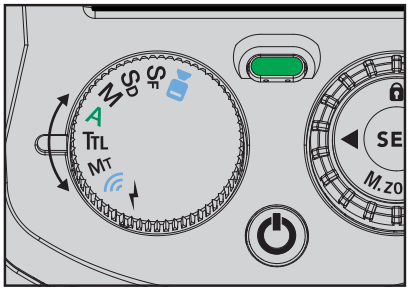
Mode dial

TTL flash power compensation

With the latest TTL flash control system, the flash power level is always automatically controlled by the camera for the most appropriate exposure. If you wish, you can soften or weaken the flash light, or give more light to the subject without changing the environmental or background exposure effect. The MG60 can make it possible to quickly adjust the exposure for each particular flash picture as needed.



- Set MG60 to the camera's hotshoe and press the on/ off switch to power on.
- Rotate the Function dial to TTL mode.
- To set the Flash power compensation level rotate the Control wheel to the power level you desire.



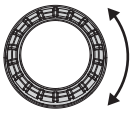
- TTL flash power compensation is provided in 12 steps by 1/3 Ev increments for -2.0, -1.7, -1.3, -1.0, -0.7, -0.3, 0, +0.3, +0.7, +1.0, +1.3, +1.7 and +2.0 Ev.
- Take a picture and the subject is shown with required lighting effect by keeping the background exposure level as originally expected.
- On some cameras, the TTL flash power compensation setting is provided in its menu mode. When setting the TTL flash power compensation on your camera, any compensation which is also set on the MG60 will be counted in addition to the compensation you selected in the camera's menu mode.
  (i.e. Having a +1 compensation set on the flash and a +1.3 compensation set in the camera would yield a total compensation of +2.3 EV.)

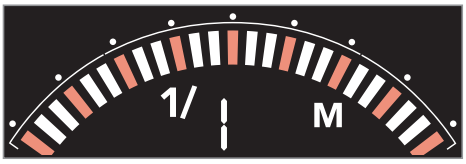
Mode dial

M Manual Exposure Flash

In some occasions, or for special expression, you may need your own flash exposure instead of the automatic controlled exposure. You can set MG60 for non-automatic flash mode, and select the desired flash power.

- Set MG60 to the camera's hotshoe and press the on/ off switch to power on.
- Rotate the Function dial to **M** mode.
- You can select the power by rotating the Control Wheel :
  1/256 – 1/1 (Full) power.
  Red color bar represent 1 step, White color bar represent 1/3 step





- Set the camera shooting mode to [**A**] or [**M**]
- Select your desired F--stop and / or shutter speed. Point at the subject and press the shutter.

Mode dial

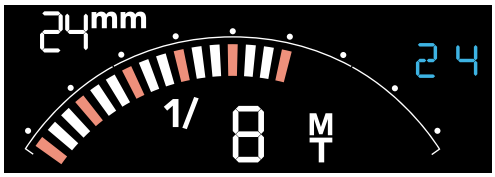
MT Multi-flash

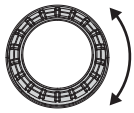
In Multi-flash mode, the MG60 fires repeatedly during a single exposure, creating stroboscopic multiple-exposure effects.

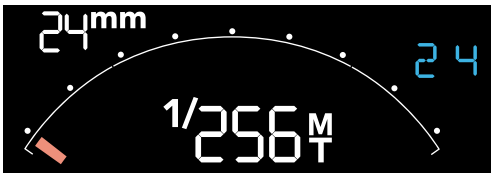
The power level, frequency and the number of flashes are to be set on the flash unit in advance.

Power, Frequency and Times

- Manual power is provided from 1/8 to 1/256 power.
- 1 Hz to 100 Hz frequency can be set.
- 1 time to 90 times can be set.







- Press SET enter the advanced setting
- Press ◀ ▶ to select Frequency / Flash Times

Frequency

◀ ▶

Flash Times

- Rotate change frequency and times
- Press SET confirm and exit