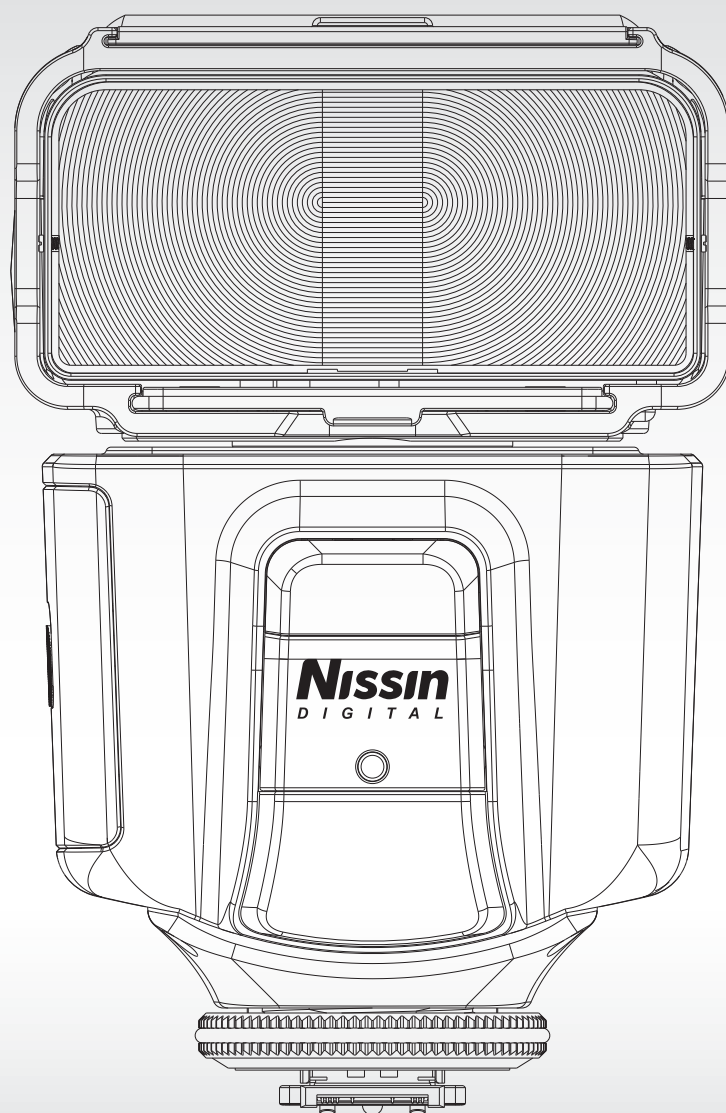


# MG60

Canon / Nikon / Sony

## INSTRUCTION MANUAL



**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 Nissin product**

Please read this instruction carefully before using.  
Get a better understanding of a proper operation to enjoy with it.

Nissin MG60 are designed for Canon / Nikon / Sony cameras which built-in NAS system to controlling the flash. Please note that MG60 are not usable with other branded cameras for TTL operation.

## **Compatible cameras**

Please refer to Nissin's compatibility chart for latest information:  
<http://www.nissin-japan.com> or <http://www.nissindigital.com>

# SAFETY INSTRUCTIONS

This safety instructions, an important information on how to use Nissin's products safely and properly. Please read the following lines carefully.



## WARNING

This sign 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 open and repair it by users themselves. Send to specific service center to the purchasing store for further arrangement if repair needed.
- Do not touch the broken unit. It may cause an electric shock.
- Do not use the flash directly toward eyes at a short distance. It may damage the eyes.
- It is recommended to keep the flash unit in at least 1 meter (3.3feet) away from the subject especially toward a baby. Use diffuser or bounce to soften its intensity during photo shooting.
- 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 place and fire the flash close to the human body, which may get scalded.
- Place batteries in a correct position. Placing them in wrong polarity may cause leakage, exothermic heat or explosion.



## CAUTIONS

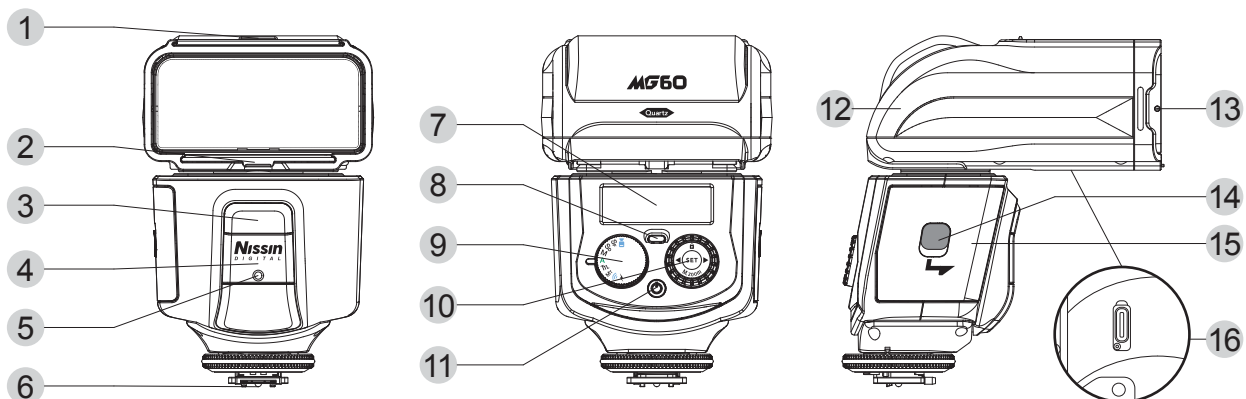
This sign refers to conditions which may cause damage or defect.

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

## INDEX

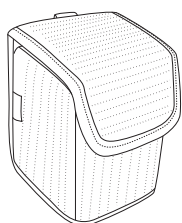
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## Components

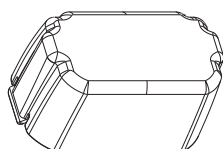


- |                                      |                                              |
|--------------------------------------|----------------------------------------------|
| 1 Fill-in reflector                  | 10 Control dial and button                   |
| 2 Light diffusing panel         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

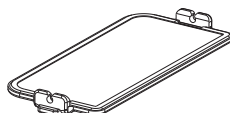
### Accessories:



Pouch



Soft box



Filter holder



Colour Gel (CTO)

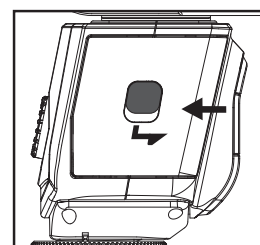
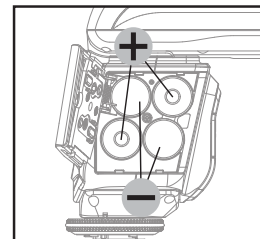
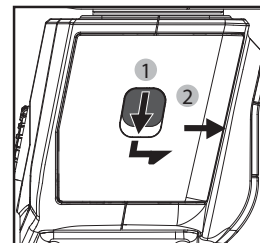


Flash stand

# Operation

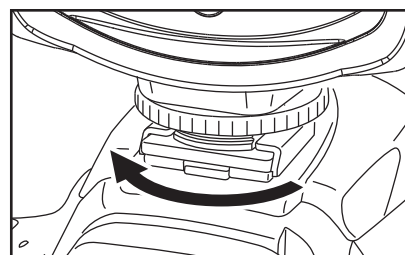
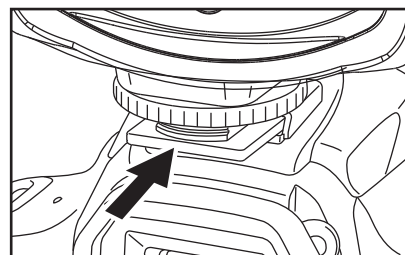
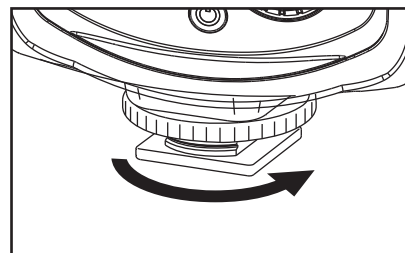
## Inserting battery

1. Open the battery compartment door and insert 4 x 14500 Li-ion or size AA rechargeable batteries or Alkaline batteries as shown in the picture.
2. Make sure + and - battery contacts are correctly inserted.
3. Close the door and slide it back in place.



## Mounting MG60 on the camera

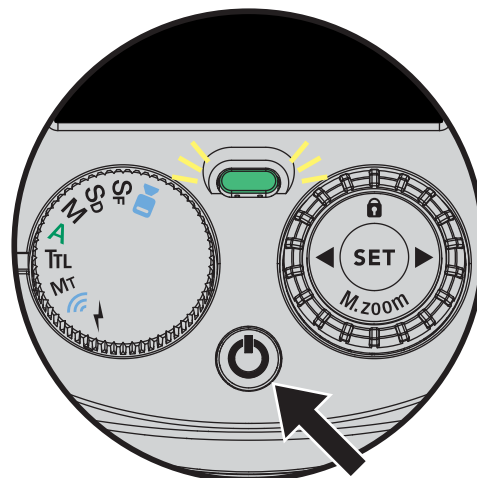
1. Turn off MG60.
2. Rotate lock ring of MG60 to loosen it all the way as shown in the picture.
3. Slide the mounting foot of MG60 into the camera hotshoe.
4. Screw the lock ring to the other side and tighten it.



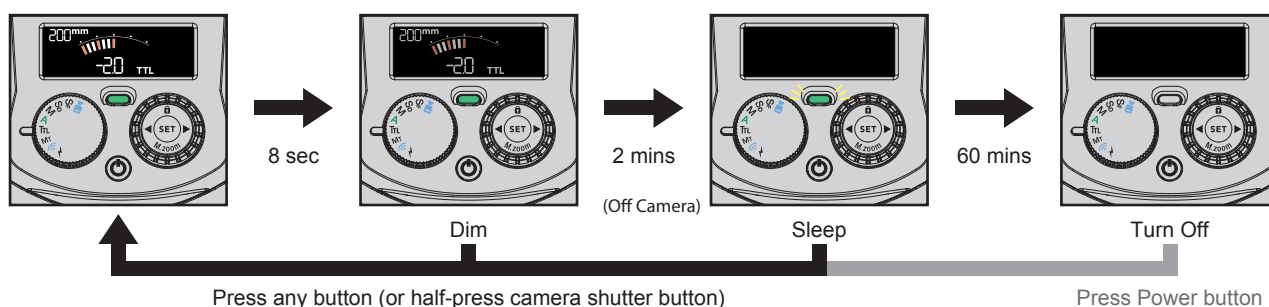
## Operation

### Turn on the flash unit

- Press the On / Off switch.  
Pilot button shows in red.
- Pilot button changed into green in a few seconds. It is ready to shoot.
- For testing flash, press Pilot button.
- To turn off the flash unit manually, press the On/Off switch once.



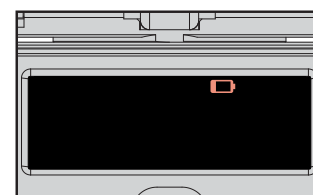
### Energy saving



### Battery status

A battery icon shows:

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



MG60 will turn off after 30 seconds

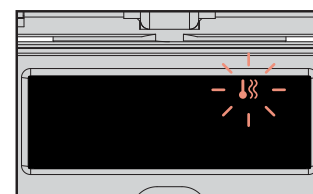
**\* It is recommended to use 4 batteries in the same brand and type.  
Replace them all when they are low battery.**

### Overheat

A overheat signal is twinkling:

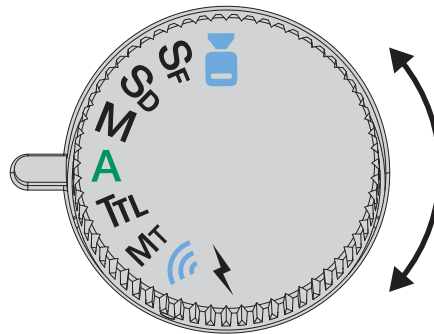
- Flash overheating
- Battery overheating

It will switch off after cooling down.



## Mode dial

### MG60 flash mode selection



Rotate the dial for selection.



#### Video light

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

**SF**

#### Slave Film

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

**SD**

#### Slave Digital

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

**M**

#### Manual mode

Select the desired manual power on the flash unit.

**A**

#### Full automatic mode

Flash light fully control by the camera (the most proper exposure)

**TTL**

#### TTL program Mode

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

**MT**

#### Multi-flash mode

Shoot multiple successive movements in a single picture.



#### NAS mode

Radio wireless slave flashing through NAS commander.



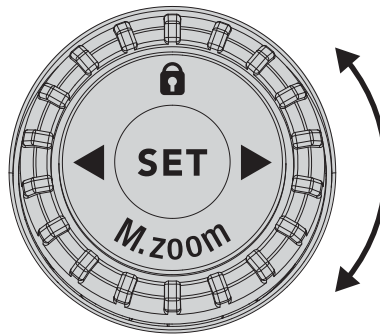
#### Optical wireless mode

Synchronizes to the optical wireless remote flash system.



# Control dial

## MG60 functions adjustment



### Dial

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



### Lock

Hold the button for 1 second to lock or unlock buttons mis-press and whole control setting.



### SET

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



### Manual zoom

Hold the button for 1 second to change zoom head position.



### Arrow button


Press left or right arrow to select the advanced setting:  
< Gr / Ch / OPEN / [mute icon] / Hz >

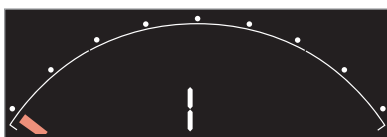
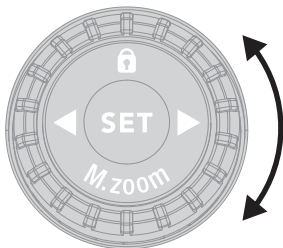
Note : For Nikon cameras, Users may activate the HSS(FP) function on the camera side.

## Mode dial



### Video light

- Set MG60 to the camera's hotshoe and press the power button to turn on.
- Rotate the Function dial to  mode.
- Select power by rotating the Power dial, 9 steps of output level can be adjusted.



### NOTE


The lighting time of LED video light can be approx. 3.5 hours lasting in full power batteries.

## Mode dial


### A

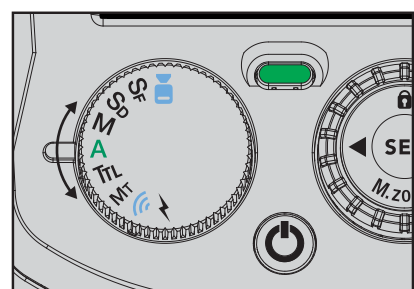
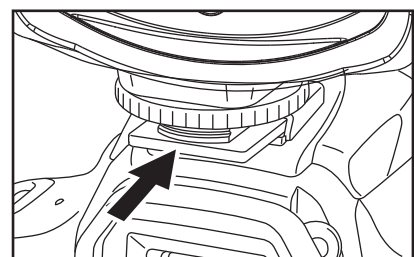
### Shooting MG60 in Auto mode

#### Camera mode

Canon	Nikon	Sony	
[ □ ]	[  ]	[ <b>AUTO</b> ]	Auto
[ <b>P</b> ]	[ <b>P</b> ]	[ <b>P</b> ]	Programmed Auto
[ <b>Av</b> ]	[ <b>A</b> ]	[ <b>A</b> ]	Aperture-Priority Auto
[ <b>Tv</b> ]	[ <b>S</b> ]	[ <b>S</b> ]	Shutter-Priority Auto
[ <b>M</b> ]	[ <b>M</b> ]	[ <b>M</b> ]	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 (  ) 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



### 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
[  ]	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

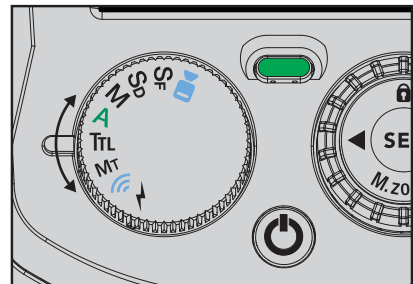
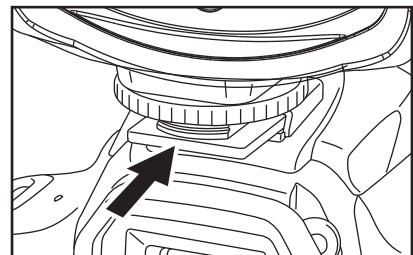
## Mode dial



### 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.)



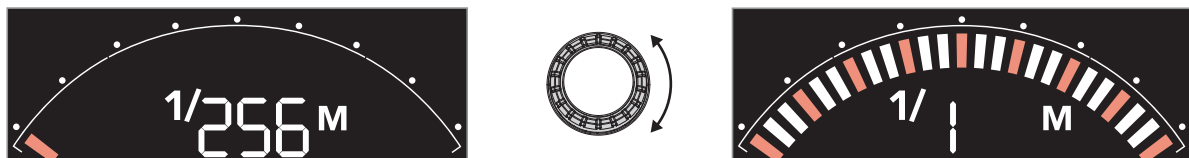
## Mode dial



### 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

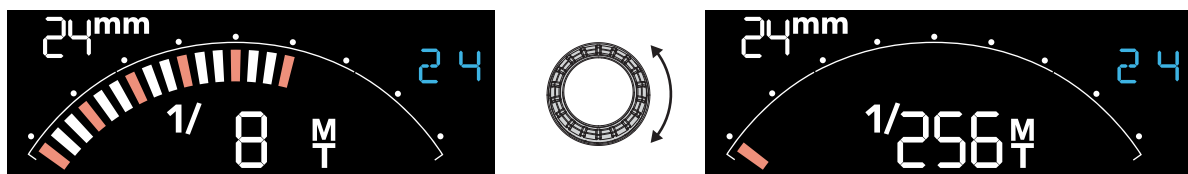
In Multi-flash mode, MG60 fires repeatedly during a single exposure and creates stroboscopic multiple-exposure effects.

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

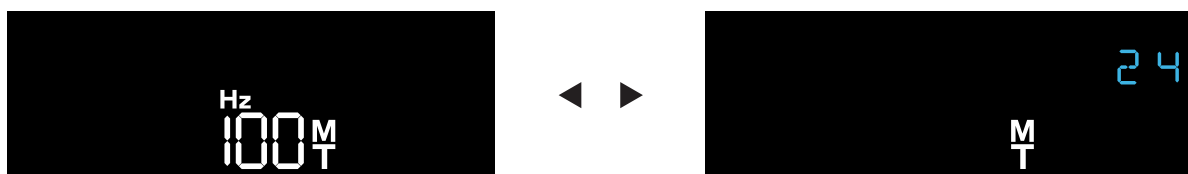
### Power, Frequency and Times

- Manual power: MAX 1/8 to 1/256
- Frequency: 1 Hz to 100 Hz
- Times: 1 ~ 90 times

### Operation




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



Frequency

Flash Times

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

## Mode dial

**MT**

Multi-flash

### Calculating the shutter speed

The shutter speed to be set on the camera is calculated in the following  
 $\text{Number of flashes} \div \text{Frequency} = \text{Shutter Speed}$

Example : To get 20 flashes at 10Hz  $20 \div 10 = 2$

The shutter speed to be set on the camera is 2 seconds or longer.

### Maximum number of continuous flashes

Frequency	Power									
	1/256 - 1/64	1/64 +1/3EV	1/64 +2/3EV	1/32	1/32 +1/3EV	1/32 +2/3EV	1/16	1/16 +1/3EV	1/16 +2/3EV	1/8
1	<b>90</b>	78	68	<b>60</b>	46	36	<b>30</b>	22	16	<b>14</b>
2										
3	<b>90</b>	78	68	<b>60</b>	46	36	<b>30</b>	18	14	<b>12</b>
4	<b>80</b>	64	56	<b>50</b>	30	24	<b>20</b>	14	12	<b>10</b>
5	<b>70</b>	52	44	<b>40</b>	30	24	<b>20</b>	12	10	<b>8</b>
6	<b>56</b>	40	36	<b>32</b>	30	24	<b>20</b>	10	7	<b>6</b>
7	<b>44</b>	36	32	<b>28</b>	26	24	<b>20</b>	10	7	<b>6</b>
8	<b>36</b>	30	26	<b>24</b>	14	12	<b>10</b>	8	6	<b>5</b>
9	<b>32</b>	28	24	<b>22</b>	14	12	<b>10</b>	8	6	<b>5</b>
10	<b>28</b>	26	22	<b>20</b>	10	9	<b>8</b>	6	5	<b>4</b>
20	<b>24</b>	18	14	<b>12</b>	10	9	<b>8</b>	6	5	<b>4</b>
30										
40										
50										
60										
70										
80										
90										
100										



## Mode dial



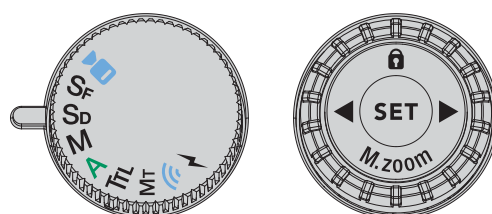
### Wireless Slave Flash

MG60 has a wireless remote flash system as a slave unit. You can enjoy creative flash photography with multiple lightings from the various directions. 2 slave modes are provided, Slave Digital (SD) for digital pre-flash system; Slave Film (SF) for analogue flash system.

#### SD - Slave Digital

In this mode, MG60 synchronizes to the pre-flash system. The master flash is to be set at TTL mode.

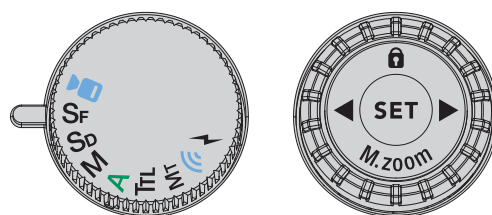
- You can select the power by rotating the Control wheel from 1/256 – 1/1 (Full) power.
- Hold the lock button 1 second to lock this condition on your flash. (Hold it again to release the lock)



#### SF - Slave Film

In this mode, MG60 synchronizes to the traditional single flash system. The master flash is to be set at manual mode. Studio lighting system synchronizes to this mode. This mode is also available for open flash, and for a standard flash in the market.

- You can select the power by rotating the Control wheel from 1/256 – 1/1 (Full) power.
- Hold the lock button 1 second to lock this condition on your flash. (Hold it again to release the lock)



## Mode dial



### Optical wireless remote flash

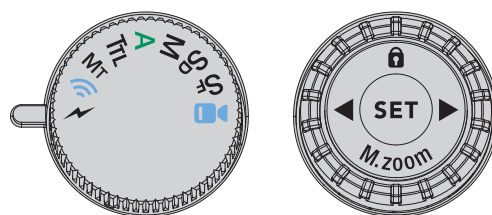
MG60 synchronizes to the wireless remote flash system. You can enjoy creative flash photography with multiple lightings from the various directions.

### Optical Wireless Transmission

In this mode, MG60 synchronizes to the wireless remote flash system. To remoting all channels and groups

A=Group A/ B=Group B/ C=Group C


MG60 supports wireless TTL / M / Multi-flash. Set the mode on your master flash/commander, MG60 will follow the setting automatically.




- Rotate the Mode dial to ⚡ mode then AF-assist light blinking, ⚡ light-up

- All power controll by master flash/ commander.

- Press **SET** to enter the advanced setting, press ◀ ▶ to select **Gr** / **⚡**

- Rotate  to change the group **A** / **B** / **C**

- Rotate  to switch **⚡** on/off

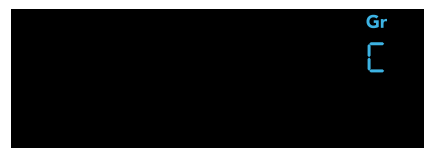
- Press **SET** to confirm the group setting and back to main page.



TTL mode



Manual mode



### NOTE

Wireless Multi-flash limited to the supporting flash/commander, please refer to your flash manual.

## Mode dial



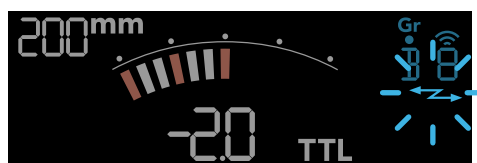
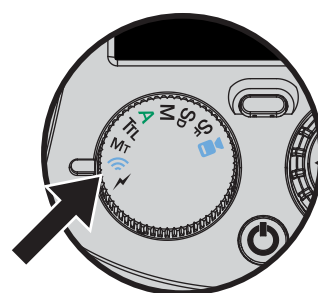
### Radio wireless remote flash (NAS)

MG60 is built-in wireless remote flash system as a slave unit. You can enjoy creative photography with multiple flashes of various direction.

Using MG60 with NAS makes it easy to connect with multiple flashes wirelessly in the same way as normal TTL autoflash shooting.

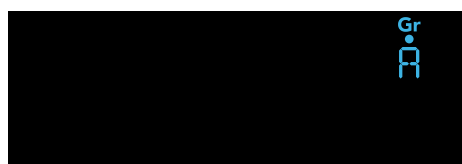
### Pairing

- Switch off MG60, turn the mode dial to
- Hold and button until you hear the beeping.
- Hold and button on your commander until twinkling.
- After finishing the pairing, the MG60 and commander will stop beeping and blinking.
- Once MG60 linked to NAS, function are control directly by the NAS commander.
- The NAS connect signal is twinkling which means both MG60 and commander were not connect



### Group setting

- Press to enter the advanced setting, press to select **Gr**
- Rotate to change the group **A / B / C / D / A / B / C / D**
- Press to confirm setting and back to main page.









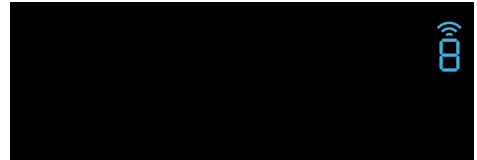
## Mode dial



### Radio wireless remote flash (NAS)








#### Channel setting

- Press  to enter the advanced setting, press   to select 
- Rotate  to change the channel.
- Press  to confirm setting and back to main page.



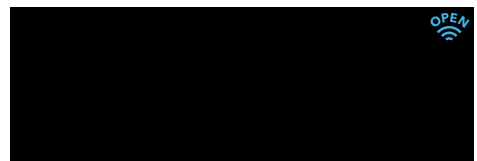
#### Open mode

Being part of the MG Series, MG60 supports “Open Mode” and it lets different cameras to use the same set of strobe in one place.

- Press  to enter the advanced setting, press   to select 
- Rotate  to switch  on/off.  
Twinking: off  
Light-up: on
- Press  to confirm the setting and back to main page.



Open mode off



Open mode on

## Control dial

SET

Set button

Press the set button to adjust the advanced settings on the flash such as HSS, buzzer, group, channel, frequency and times.



Arrow button

Press ◀ ▶ to select the advanced setting:


Gr / Ch / OPEN / 🔊 / H<sup>z</sup>

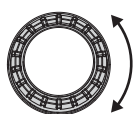
(Note : For Nikon cameras, Users may activate the HSS(FP) function on the camera side.)

M.ZOOM

Manual zoom

MG60 offers "A" auto zoom mode and manual zoom mode.

- Manual zoom can be set in **S<sub>F</sub>** / **S<sub>D</sub>** / **M** / **T<sub>L</sub>** / **M<sub>T</sub>** / ⚡
- Hold the **M.ZOOM** button for 1 second to enter zoom setting.
- Turn  to change the zoom head position.



- Press **M.ZOOM** 1 second / **SET** once to confirm and go back.

### NOTE








The zoom setting you selected is memorized and remains unchanged until you restart the flash.

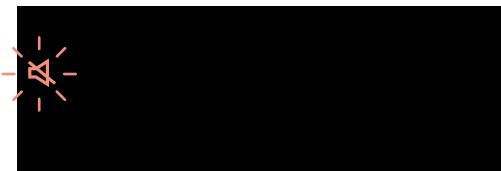
## Control dial



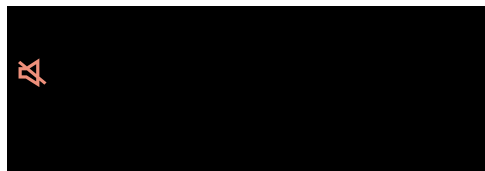
### Switch on / off MG60 Buzzer

When we are using MG60 as a remote flash, it sets by default to emit a beep sound when it is changing commander setting and during charging.

- Buzzer can be set on **S<sub>D</sub>** / **S<sub>F</sub>** /  / 
- Press  to enter advanced setting,  
press   to select 
- Rotate  to switch on/off buzzer.



Buzzer on



Buzzer off

- Press  to confirm setting and back to main page.

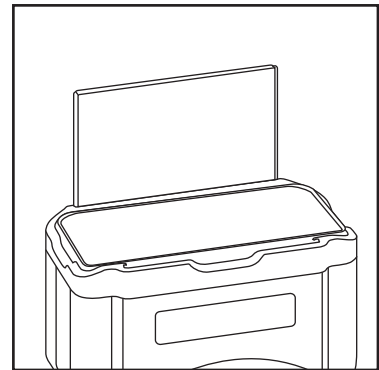
Note : When the unit is set to Buzzer OFF, the buzzer will not sound regardless of the Commander setting, but when the unit is set to Buzzer ON, the buzzer will not sound if the Commander is set to Buzzer OFF.

## Flash head operations

### Fill-in reflector

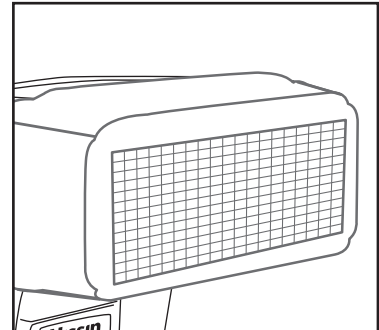
If you use the fill-in reflector at a short distance during bounce shooting, the light will enter the eyes of the subject and the facial expression will become brighter.

- When using the fill-in reflector, bounce upward 90°.
- The fill-in reflector can be used with soft box attached.
- Recommend set the zoom position to 24mm.



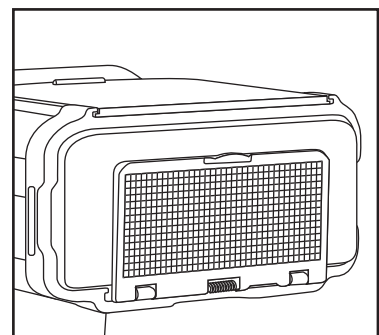
### Soft box

- Place the Soft box onto the flash head to soften the light output and reduce the shadows.



### Light diffusing panel

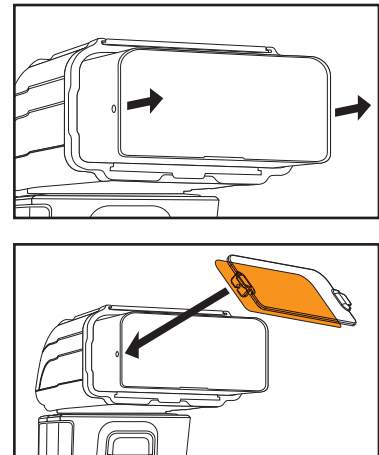
- By pulling out the light diffusing panel and covering it in front of the flash head as shown in the figure, a shooting angle of view of 16mm can be supported.
- When pull out the light diffusing panel, the zoom setting position of MG60 is automatically set at the position for a 24mm.



## Flash head operations

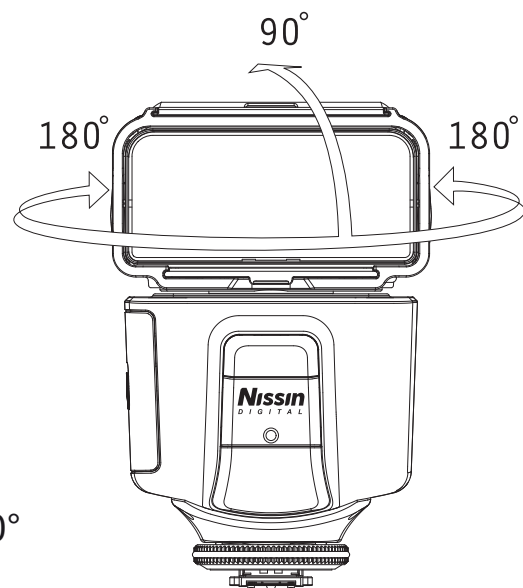
### Magnetically contacted zoom head

- Pull out the magnetically contacted zoom head for a wide-angle flashing, heat dissipation and purpose Nissin Light Shaping Kit usage.
- Put the colour gel with gel holder together and set on the zoom head as shown in the picture.



### Bounce lighting

When lighting a subject in front of the wall, an unnecessary sharp shadow may appear on the wall behind the subject resulting in a disappointing picture. Bounce the light off the ceiling or wall to soften the light on the subject, and the shadow will fade.



- The flash head turns upward to 90°, 180° to the left, and 180° to the right.
- Or mixing it upward/ sideways, you can set it in multiple directions
- When the flash head stays at turning or tilting position, the zoom setting position of MG60 is automatically set at the position for a 50mm focal length lens.
- The wall or ceiling in this case should be a flat surface and white colour is preferable. Colored ceiling or wall may reflect its color on the subject.
- When bouncing, the light is attenuated. If the effect is not sufficiently obtained, adjust the exposure settings such as increasing the ISO sensitivity of the camera.



## AF assist light emitter

Under a low light condition, or in a dark place, the AF assist light will automatically emit the beam and illuminate the subject, so that the camera can easily focus on the subject in darkness. The beam is however not shown in the picture. (For DSLR only)

### DSLR



# Firmware update procedure

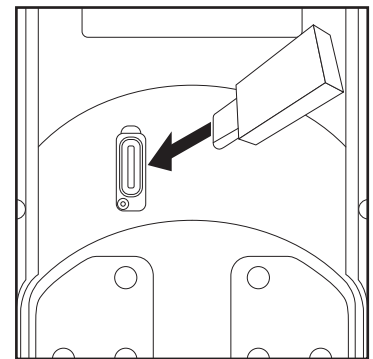
## Before update

To start the firmware update procedure, you need to have:

- The computer (Windows or Mac) connected to the Internet
- USB OTG Type-C flash drive under FAT32 format (recommend 32GB)
- 4pcs of full charged Li-ion / re-chargable AA batteries.

## Update procedure

1. Download the firmware file.  
Check the link below to download firmware files:  
<https://www.nissindigital.com/mg60-details>
2. Connect USB flash drive to the computer.
3. Format it to FAT32 format (backup before format).
4. Copy firmware file to USB flash drive.
5. Eject it.
6. Insert fully charged batteries into MG60.
7. Insert the USB flash drive into the MG60.
9. Switch on the MG60.  
The pilot light of MG60 will blink in yellow.
10. The green light will emit when the firmware update procedure completed. Switch off and remove the USB flash drive.
11. Switch on the MG60.



## How to check firmware version of MG60

1. Switch off power.
2. Hold the Pilot and Power button.
3. LCD display will show firmware versions.
4. Release the Pilot and Power button, firmware version page will disappear and returns to the main page.



# Specifications

Type	Canon / Nikon / Sony
Guide no. (at ISO 100)	GN60@200mm / GN32@35mm
	82.5Ws / Quartz flash tubes
Zoom coverage	Removable zoom head with 24mm~200mm motorize zoom function, 16mm with diffuser
Power source	4x 14500 Li-ion Batteries / 4xAA rechargeable Batteries / 4xAA Alkaline Batteries
Recycling time	Approx. 1.2sec with 4x Li-ion Batteries
	Approx. 3sec with 4xAA rechargeable batteries
Number of flashes (Approx.)	360 times with 4x Li-ion 1000mAh batteries
	250 times with 4x AA 2450mAh rechargeable batteries
Color temperature	5600K, +300K/-200K
Flash duration (t0.5 / t0.1)	1ms / 3.3ms
Bounce position	0 ~ 90 degree Vertical, +/- 180 degree Horizontal
Operation Mode	TTL, A, M, SD, SF, Video, Multi flash, optical wireless, NAS
Flash Tube life	100,000
Wireless system	2.4Ghz Nissin NAS system
Channel	8 channels
Flash Groups	A, B, C, D & Ā, B̄, C̄, D̄ (total 8 Groups)
Other Function	Open mode for non-blinding operation (new nissin NAS flash only) , Keys lock.
Continuous shooting speed	10 shots/sec
Manual zoom	Manual adjustment ( 24 / 28 / 35 / 50 / 70 / 85 / 105 / 135 / 200 mm )
EV compensation on flash	<b>[TTL]:</b> -2.0 ~ + 2.0 , 1/3EV step, <b>[manual]:</b> 1 ~ 1/256 (1/3steps)
Synchronization modes	<b>Canon</b> - 1 <sup>st</sup> Curtain synchronization, 2 <sup>nd</sup> Curtain synchronization, High-speed synchronization, FE Lock (set on camera); <b>Nikon</b> - 1 <sup>st</sup> Curtain synchronization, Rear Curtain synchronization, High-speed synchronization, Red-eye reduction, Slow synchronization, FV Lock (set on camera); <b>Sony</b> - 1 <sup>st</sup> Curtain synchronization, High-speed synchronization, FEL Lock (set on camera)
AF-assist beam effective range	0.7 ~ 5m
Display panel	LCD color panel with select dial
High-speed synchronization	1/8,000 sec
Accessories	Color filter, filter holder, wide-angle diffuser & Nissin flash stand
Dimensions (D x W x H)	116(H) x 73(W) x 98(D)mm/ 4.6(H) x 2.9(W) x 3.6(D) inches
Weight	390g/ 13.76oz without Batteries

## Guide Number table

Nissin MG60 Guide No. at manual exposure mode (ISO 100 in meters)

Zooming Position	Flash Power Level (Guide No.)								
	Full	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256
24mm	27	19	13	10	7	5	3	2	2
28mm	29	20	14	10	7	5	4	3	2
35mm	32	23	16	11	8	6	4	3	2
50mm	39	28	20	14	10	7	5	3	2
70mm	42	30	21	15	11	7	5	4	3
85mm	45	32	23	16	11	8	6	4	3
105mm	50	36	25	18	13	9	6	4	3
135mm	54	38	27	19	13	10	8	5	3
200mm	60	42	30	21	15	11	7	5	4
Without zoom head	20	14	10	7	5	3	2	2	1

For the camera system we support, there are 3 main image sensor sizes:  
35mm Full Frame format, APS-C format and 1" sensor format.

## Trouble Shooting

Please refer to this troubleshooting if there is any abnormal situation

Cannot switch on the flash or the flash does not fire.

- Make sure the batteries are installed correctly.
- Check if batteries are exhausted, please replace it.
- If the recycle time is beyond 30 seconds, batteries are exhausted, please replace it.
- Confirm the flash unit is firmly clipped on the camera
- Clean the contacts between the flash and the camera.

The flash unit is automatically powered off

- It will switch off when there is not in use for over 60 minutes, switch on again.

Flash operation/display abnormal

- Switch on, hold the Pilot button about 5 seconds to reset.

Please contact Nissin distributor for further assistance if you find the abnormal situation still exist.

## Warranty

In case of the following reason of the defect, it may void the warranty.

1. The product is not used in accordance with the instruction of the owner's manual.
2. The product is repaired or modified by the one who is not an authorized repair service.
3. When the product is used with the cameras not applicable, lens, adaptors or such accessories produced by the third party.
4. Fault or defect caused by fire, earthquake, flood, public pollution and such natural accident.
5. In case that the product is stored in dust, moisture, extremely high temperature or such poor condition.
6. Scratch, blemish, crush or worn out by a violent use or treatment.
7. Guarantee card without name of place purchased or date of purchase stamped, or no guarantee card.

Please refer the respective warranty condition for details which depends on the country of purchase and contact our official distributors who distributed this product for the warranty arrangement details.

***Nissin***

Nissin Japan Ltd., Tokyo  
<https://www.nissin-japan.com/>

Nissin Marketing Ltd., Hong Kong  
<http://www.nissindigital.com>