Mode dial

MT Multi-flash

Calculating the shutter speed

The shutter speed to be set on the camera is calculated in the following
Number of flashes ÷ Frequency = Shutter Speed

Example : To get 20 flashes at 10Hz 20÷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	**90**	78	68	**60**	46	36	**30**	22	16	**14**
2										
3	**90**	78	68	**60**	46	36	**30**	18	14	**12**
4	**80**	64	56	**50**	30	24	**20**	14	12	**10**
5	**70**	52	44	**40**	30	24	**20**	12	10	**8**
6	**56**	40	36	**32**	30	24	**20**	10	7	**6**
7	**44**	36	32	**28**	26	24	**20**	10	7	**6**
8	**36**	30	26	**24**	14	12	**10**	8	6	**5**
9	**32**	28	24	**22**	14	12	**10**	8	6	**5**
10	**28**	26	22	**20**	10	9	**8**	6	5	**4**
20	**24**	18	14	**12**	10	9	**8**	6	5	**4**
30										
40										
50										
60										
70										
80										
90										
100										

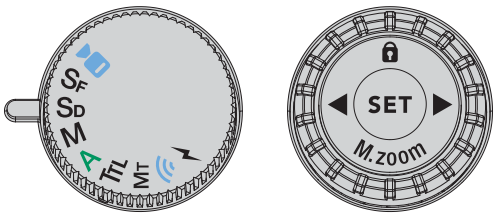
Mode dial

Wireless Slave Flash

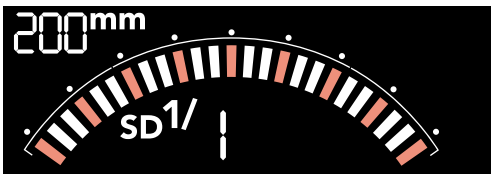
MG60 has a wireless remote flash system as a slave unit. You can enjoy creative flash photography with multiple lightings from the various directions. 2 slave modes are provided, Slave Digital (SD) for digital pre-flash system; Slave Film (SF) for analogue flash system.

SD - Slave Digital

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

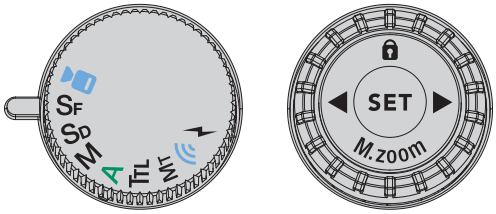


- You can select the power by rotating the Control wheel from 1/256 – 1/1 (Full) power.
- Hold the lock button 1 second to lock this condition on your flash. (Hold it again to release the lock)

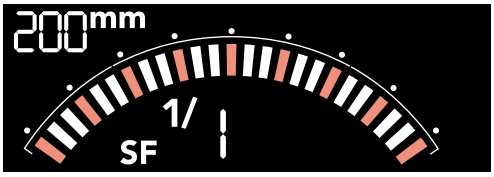


SF - Slave Film

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

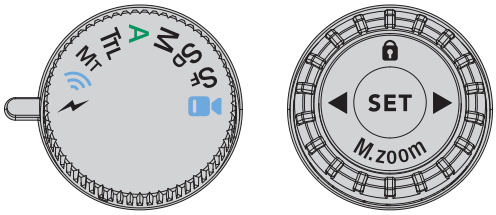
Optical wireless remote flash

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. For remote All channels and with groups

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



MG60 supports wireless TTL / M / Multi-flash, just set the flash 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

TTL mode

- All power controlled by master flash/ commander.

Manual mode

- Press SET enter the advanced setting, press ◀ ▶ to select Gr /
- Rotate to change the group A / B / C
- Rotate to switch on/off

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

NOTE

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

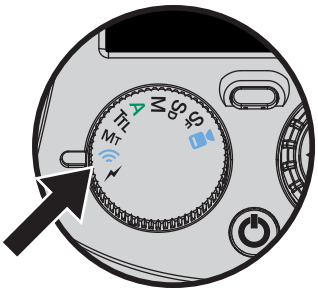
Mode dial

Radio wireless remote flash (NAS)

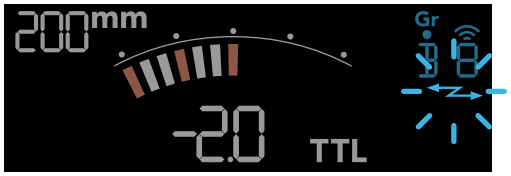
MG60 is built-in wireless remote flash system as a slave unit. You can enjoy creative photography with multiple flashes of various direction.

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 SET and button until you hear the beeping.
- Hold and button on your commander until twinkling.
- After the pairing is done, the MG60 and commander will stop beeping and blinking.
- Once MG60 linked to NAS, function are control directly by the NAS master.
- The NAS connect signal twinkling mean MG60 and commander was not connect



Group setting

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

- Rotate to change the group A / B / C / D / A / B / C / D
- Press SET confirm setting and back to main page.

Mode dial

Radio wireless remote flash (NAS)

Channel setting

- Press SET enter the advanced setting, press ◀ ▶ select

- Rotate to change the channel.
- Press SET confirm setting and back to main page.

Open mode

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

- Press SET enter the advanced setting, press ◀ ▶ select OPEN

Open mode off

- Rotate to switch OPEN on/off.

  Twinking: off

  Light-up: on

Open mode on

- Press SET confirm setting and back to main page.

Control dial

Set button

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

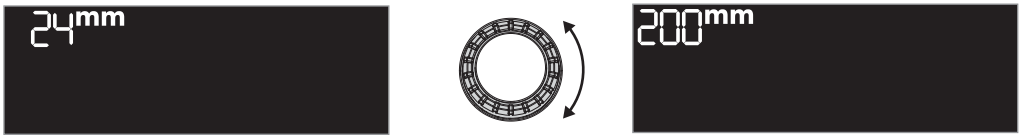
Arrow button

In advanced setting, press ◀ ▶ to select the advanced setting:
Gr / Ch / OPEN / 🔇 / H⚡

Manual zoom

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

- Manual zoom can be set in SF / SD / M / TTL / MT / ⚡
- 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 using MG60 as a remote flash, it is set by default to emit a beep sound when changing commander setting and during charging.

- Buzzer can be set on SD / SF / /
- Press SET enter advanced setting, Press ◀ ▶ select
- Rotate to switch on/off buzzer.

Buzzer on

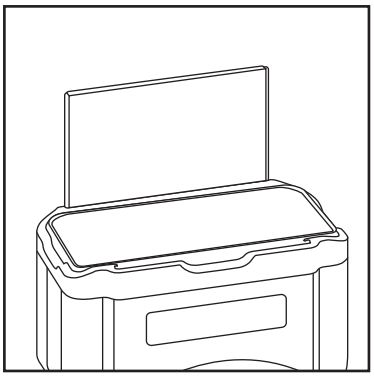
Buzzer off

- Press SET confirm setting and back to main page.

Flash head operations

Fill-in reflector

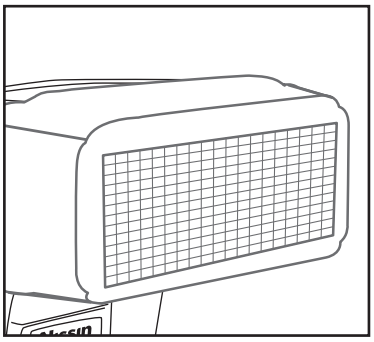
If you use the fill-in reflector at a short distance during bounce shooting, the light will enter the eyes of the subject and the facial expression will become brighter.



- 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.

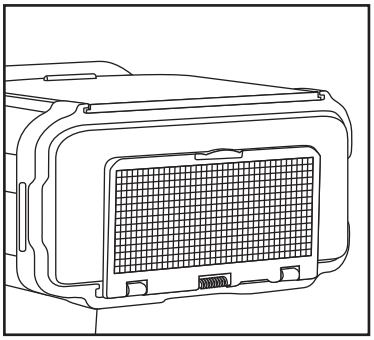
Soft box

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



Light diffusing panel

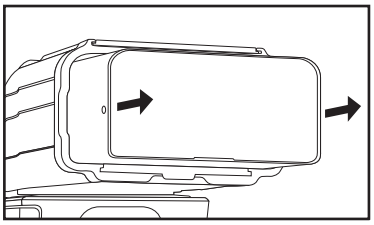
- By pulling out the light diffusing panel and covering it in front of the flash head as shown in the figure, a shooting angle of view of 16mm can be supported.
- When pull out the light diffusing panel, the zoom setting position of MG60 is automatically set at the position for a 24mm.



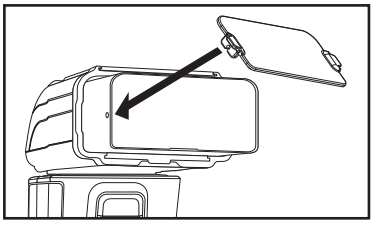
Flash head operations

Magnetically contacted zoom head

- By pulling out the magnetically contacted zoom head for a wide-angle flashing, heat dissipation and fit into Nissin Light Shaping Kit.

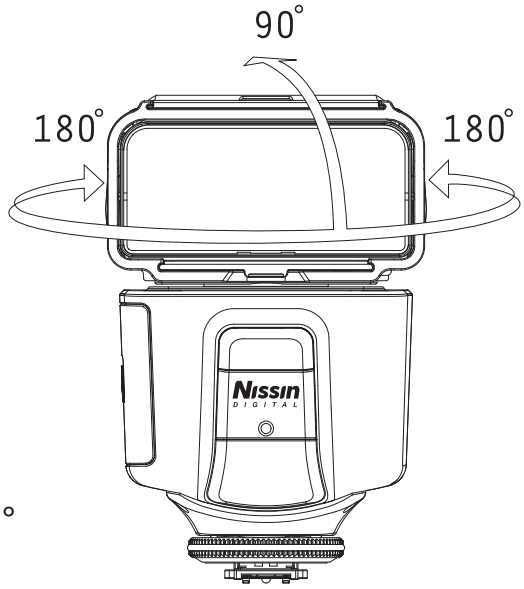


- A colour gel (full CTO) with gel holder included can be set on the zoom head (buckle on screws)



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.

Firmware update procedure

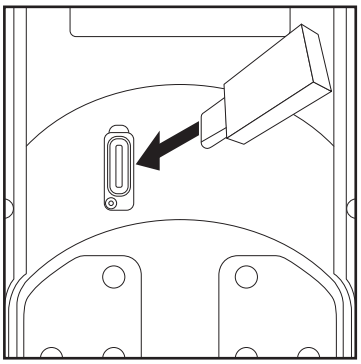
Before update

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 USB flash drive under FAT32 format (Backup before format).
4. Copy firmware file to USB flash drive.
5. Eject the USB flash drive.
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 is 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 front operation page.

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 4 main image sensor sizes:
35mm Full Frame format, APS-C format and 1” sensor format.

Trouble Shooting

If a problem occurs with the flash, please refer to this troubleshooting. If there does not resolve the problem, please contact Nissin distributor for further assistance.

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

- Make sure the batteries are installed correctly.
- If it is installed correctly, batteries are exhausted, please replace it.
- If the recycle time is beyond 30 seconds, batteries are exhausted, please replace it.
- Please 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 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.

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

Design and Specifications are subject to change without prior notice.

MG60.Rev.0525.1.0