

# MG80 Pro

Canon / Nikon / Sony  
Fujifilm / Panasonic / Olympus

## 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 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.

The flash Nissin MG80 Pro (Canon / Nikon / Sony/ Fujifilm / Panasonic / Olympus) is an advanced commander built-in flash for wireless flash shooting. It controls up to 8 groups of NAS (Nissin Air System) flash that have a wireless multiple flash shooting function using NAS (radio transmission). Please note that Nissin MG80 Pro is not usable with other branded cameras for TTL operation.

### **Compatible cameras**

Please refer to Nissin's compatibility chart shown here:  
<http://www.nissindigital.com/compatibility-chart>



Nissin Air System (NAS) is a Nissin wirelessly remote control flash light system, designed by Nissin. It consists of a Nissin radio commander (NAS commander) and the Nissin wireless flash (NAS flash) and Nissin radio receiver (NAS receiver) as remote slave units.

- Insert MG80 Pro on the camera hot shoe as a NAS commander.
- The signal of MG80 Pro is transmitted by using 2.4 GHz transmission.
- Transmission distance is approx. 100m (330 ft.)  
(Metal/ Wire/ Wall/ another 2.4 GHz radio frequency may cause a reduction in the NAS transmission distance)

# 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.



## CAUTIONS

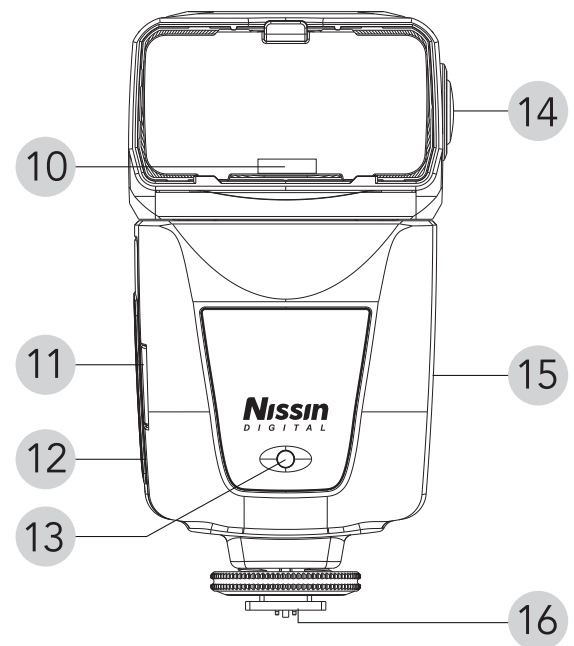
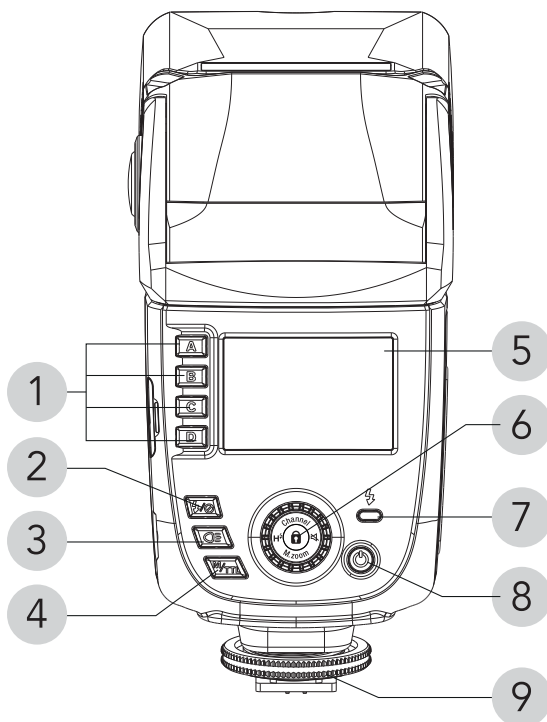
This sign refers to conditions which may cause damage or defect.

- Do not touch the inside parts from the opening when the unit was dropped or broken.
- Place the batteries correctly in position. Placing the batteries in wrong polarity may cause leakage, exothermic heat or explosion.
- Do not leave or store the commander unit in the temperature over 40°C/ 104°F, such as in the automobile.
- The commander 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 commander unit with cameras which are not recommended in the compatibility list at official website, otherwise it may damage the camera's circuitry<sup>(\*)</sup>.
- Remove the batteries when not in use for a longer period of time.
- Do not use the Nissin MG80 Pro to pick up whole camera system when it installed on your camera. To pick up the whole camera system, you should hold the handle of camera body or the lens..

(\*) Please refer Nissin's compatibility chart shown here:

<http://www.nissindigital.com/download.html>

## Names of the Components



- |   |  |
|---|--|
| 1 Group selection button  | 7 Pilot button (Test flash button)             |
| 2 Group on/off button   | 8 Power On/Off button                          |
| 3 Modeling light button<br>(Basic/Advanced Groups button)   | 9 Lock ring                                    |
| 4 M/TTL Mode Button<br>(OPEN Mode button)   | 10 Modelling Light                             |
| 5 LCD panel   | 11 Micro SD card slot<br>(for firmware update) |
| 6 Select dial with buttons<br>Channel button<br>HSS button<br>Buzzer button<br>M.Zoom button<br>Panel Lock/Unlock button (hold 1sec.) | 12 Shutter cable socket (2.5mm) <sup>(2)</sup> |
|   | 13 AF-assist light <sup>(1)</sup>              |
|   | 14 Bounce lock                                 |
|   | 15 Battery compartment door                    |
|   | 16 Hotshoe contacts                            |

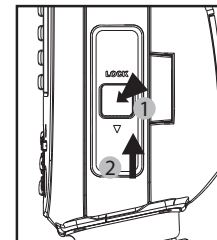
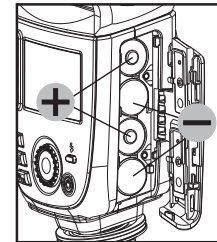
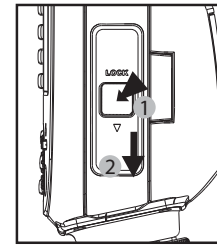
(1) The AF-assist lamp supports digital system cameras measuring autofocus in the center of the image field only. It does not support other camera brands, other types of Canon, Nikon, Sony, Fujifilm, Panasonic and Olympus cameras or camera models without our compatibility test.

(2) The shutter cable socket designed for wireless remote shutter function on MG10 and MG8 only, the socket cannot be used to trigger the flash. For more information, please refer to MG10 and MG8 instruction manual.

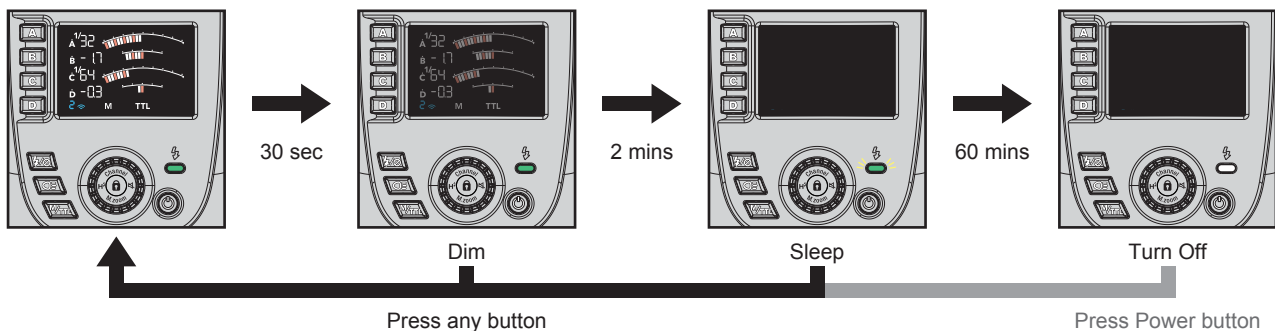
# Before starting wireless flash shooting.

## 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.



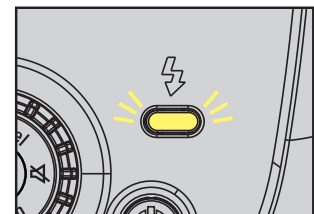
## Energy saving



## Battery status

A blinking signal shown on the Pilot Button mean:

- Wrong insertion of battery (battery type and/or position)
- Low battery
- Battery overheating



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

## Default Setting Reset

**Press power on to activate Nissin MG80 Pro,  
hold the Power button for 7 seconds to reset to factory default setting**

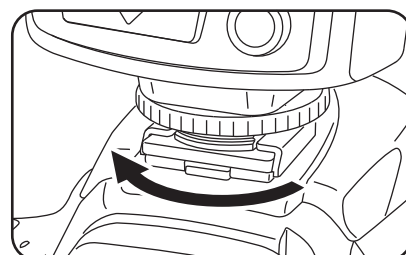
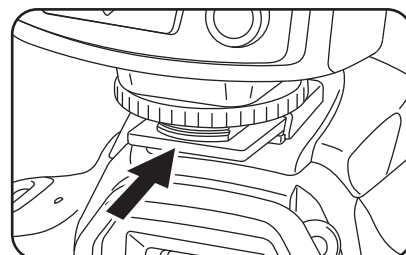
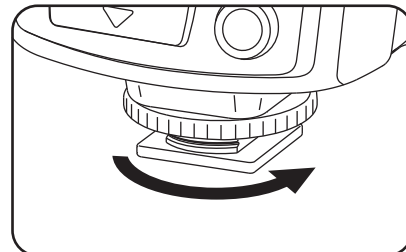
Default setting:

1. Mode: On-Camera
2. TTL mode: +/- 0EV
3. M Manual mode: 1/256
4. Zoom setting: Auto
5. HSS mode: off
6. Buzzer: on

## Basic Operation

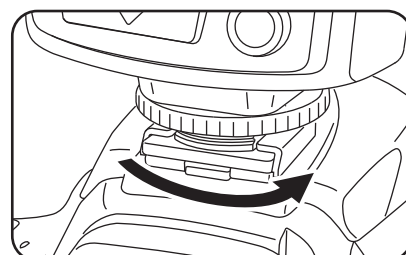
### Mounting MG80 Pro on the camera

1. Turn off MG80 Pro.
2. Turn the lock ring of MG80 to loosen it all the way as shown in the picture.
3. Slide the mounting foot of MG80 into the hotshoe of the camera.
4. Turn the lock ring to opposite direction and tighten it.



### Removing MG80 Pro from the camera

1. Turn off MG80 Pro.
2. Turn the lock ring of MG80 to loosen it all the way as shown in the picture.
3. Slide the mounting foot of MG80 out of the hotshoe of the camera.



#### NOTE

Do not use the MG80 Pro as a holder to pick up the whole camera system.




## Menu Screen For Main Modes




### MG80 Pro Flash Mode and Functions

The MG80 Pro can be use in 3 mode:

- On-Camera Mode
- Commander Mode
- Slave Mode

To change the mode in MG80 Pro, switch on MG80 Pro, press the  3 seconds to select a mode.






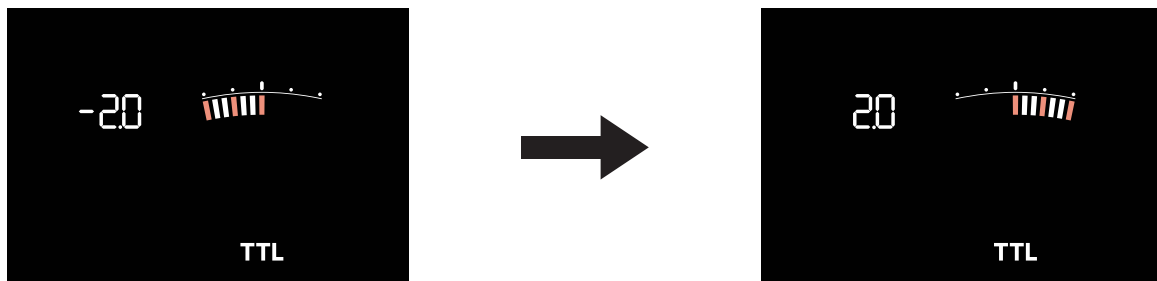
-  **On-Camera Mode**  
Flash light automatically controlled by the camera with the flash exposure or selecting the desired manual power on the flash unit.
-  **Commander Mode**  
Placing multiple flashes (slave flash) off camera and controlling the lighting operation.
-  **Slave Mode**  
Synchronizes to the wireless remote flash system.

## On-Camera Mode

### 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. You can soften or weaken the light, or give more to the subject without changing the environment or background exposure effect. MG80 Pro can make it possible to adjust exposure quickly for each particular flash picture as needed.

1. Set MG80 Pro to the camera's hotshoe and press  to switch on.
2. Press the  3 seconds to select "On-Camera" Mode.
3. Press the  button to choose "TTL" mode.
4. Rotate the dial to select the power compensation.
5. TTL flash power compensation provided starts from -2EV to +2EV (12 steps) and controlled by 1/3 EV step internal.



- Take a picture and the subject is shown with required lighting effect by keeping the background exposure level as originally expected.

#### NOTE




On some cameras, this setting is provided in its menu. When you set the TTL flash power compensation on camera it is also set on the MG80 Pro will be counted in addition to the compensation you selected in the camera's menu mode. ( i.e. set +1 compensation on the flash and set +1.3 compensation on the camera it will generate +2.3 EV in total.)

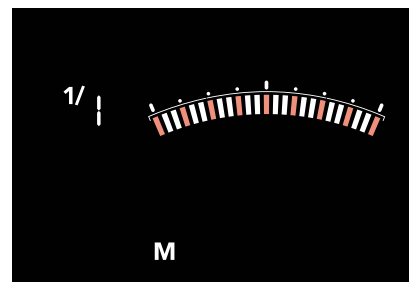
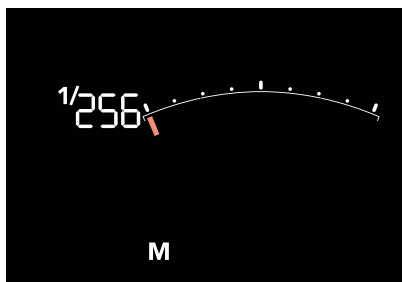
Red color bar represent 1 step, White color bar represent 1/3 step.

## On-Camera Mode

### Manual Exposure Flash

Sometimes you need self instead of the automatic exposure control. Select manual exposure in the MG80 Pro in the folloing steps:

1. Set MG80 to the camera's hotshoe and press 
2. Press the  3 seconds to select On-Camera Mode.
3. Press the  button to "M" mode.
4. Rotate the dial to select the power compensation.  
1/256 – 1/1 (Full) power.



#### NOTE

Red color bar represent 1 step, White color bar represent 1/3 step.



## Slave Mode

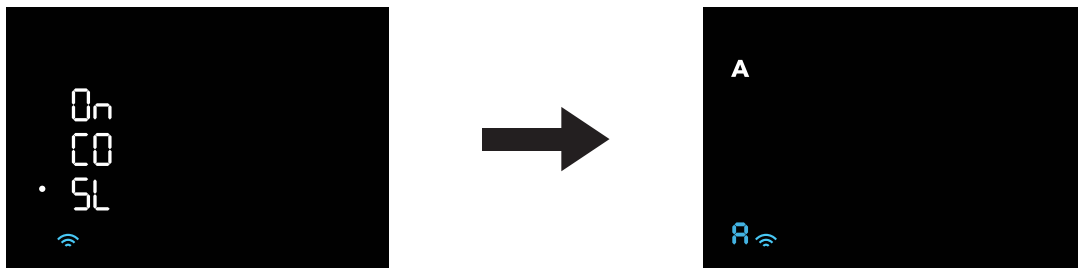
### Wireless Slave Flash


MG80 Pro is built-in wireless remote flash system as a slave unit. You can enjoy creative photography with multiple flashes of various direction.

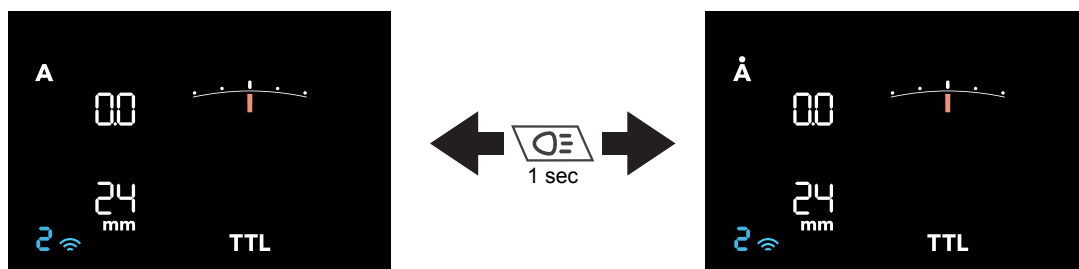
Using MG80 Pro with NAS makes it easy to connect with multiple flashes wirelessly in the same way as normal TTL autoflash shooting.


### Instruction

Turn on MG80 Pro, press the  3 seconds to select Slave.



Press the  Group Selection button to change A / B / C / D



Hold  1 second change to advance group  $\dot{A}$ , press A / B / C / D to change group  $\dot{A}$  /  $\dot{B}$  /  $\dot{C}$  /  $\dot{D}$

#### NOTE

Once the flash connected to NAS, settings are controlled directly by the NAS master or commander which means user only needs to select the group on MG80 Pro.



## Commander Mode

### Pairing Setting

To perform wireless shooting, set the Nissin MG80 Pro as commander and or NAS slave with the following procedure. When pairing completed, both of them memorized the data and no need to pair again after switching.

#### Step 1: Switch off all unit

##### **Nissin flash Di700A**

1. Hold the "Set" and Power "ON/OFF" buttons for 3 seconds at the same time.
2. "Beep" sound persists until the pairing signal received.
3. Nissin Di700A will automatically be changed into wireless slave mode after pairing completed.

##### **Nissin flash i60A**

1. Hold the Panel Lock key and the ON/OFF button of Nissin i60A for 3 seconds at the same time.
2. "Beep" sound persists until the Pairing complete.

##### **Nissin flash MG10 / MG8**

1. Rotate "Ch" channel dial to "A" auto channel mode.
2. Hold "Open" button and the power button for 3 seconds.
3. "Beep" sound persists until the Pairing signal received from commander.

##### **Nissin flash MG80 Pro (Slave mode)**

1. Switch on MG80 Pro, press Power button for 3 seconds to open mode menu, select Slave Mode then turn off.
2. Hold the Panel Lock key and the ON/OFF button of Nissin MG80 Pro at the same time for 3 seconds.
3. "Beep" sound persists until the pairing complete.

##### **Nissin Air R Receiver**

1. Rotate "Ch" channel dial to "Auto" auto channel mode.
2. Hold power button for 3 seconds
3. "Beep" sound persists until the pairing complete.



## Commander Mode

### Step 2: Pairing on Nissin MG80 Pro in Commander Mode

1. Press the ON/OFF button to switch on and press the Power button for 3 seconds to select Commander Mode.
2. Turn off the MG80 Pro, hold the Panel Lock key and the ON/OFF button for 3 seconds at the same time. Pilot button will blink about 10 seconds to process the pairing.

(\*) Compatible Channel for NAS System

Nissin Di700A, i60A flash and Nissin Air R receiver do not support the Channel 1 in Nissin MG80 Pro.

Please use Channel 2 to 8 to pair with those 3 NAS slave unit models.

The default channel setting is no. 2.

If you want to change this setting then press the channel button for 2 second.

Press channel button 2 second to exit setting.

	Air1	Air 10s	MG80 Pro
i60A / Di700A / Air R	Ch.1 - 8	Ch.2 - 8	Ch.2 - 8
MG10 / MG8 / MG80 Pro	Ch.2 - 8	Ch.1 - 8	Ch.1 - 8

### NOTE

For Sony Camera

When using MG80 Pro in "Commander" mode, please install MG80 Pro on camera and change the Flash mode to "WL" in camera menu.

If strobes are still beeping constantly after pairing, which means it is not complete. Please move your MG80 Pro towards the beeping strobes. Turn off the MG80 Pro and pair again.






## Open Mode (MG Series and Air 10s only)

NAS system owns the independent identity (ID) function to access strobes, the NAS strobes will not be affected by other commanders whenever they are using the same channel in the same location. A slave unit of Nissin flash or Nissin receiver can only be controlled by one and only one NAS commander with pairing in default setting.

Being part of the MG Series, MG80 Pro supports “Open Mode” and it can let different cameras use the same set of strobe in one place.




### Open Mode Setting

#### MG80 Pro Commander Mode

Hold the  button of MG80 Pro for 1 seconds,  lights up on lower left corner or hold the  for 1 seconds again to turn off.

#### Slave Flash

##### MG80 Pro Slave Mode

Hold the  button of MG80 Pro for 1 seconds,  lights up on lower left corner or hold the  for 1 seconds again to turn off.

##### MG10 / MG8

Press OPEN button once to turn on the open mode, when turned on, the indicator light will light on, press again to turn off.

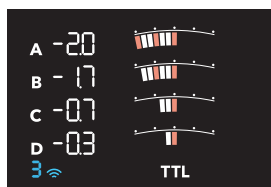


## Basic Groups and Advance groups

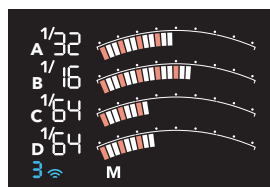
There are basic groups and advance groups for controlling the Nissin MG80 Pro. It allows user to pair unlimited amount of slave units. They mainly divided into two kinds of groups:

### Basic Group

A B C D



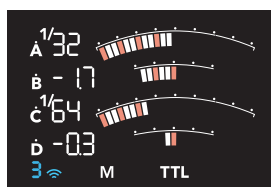
TTL mode



M mode

### Advance Group

Ȧ Ḃ Ċ Ḋ

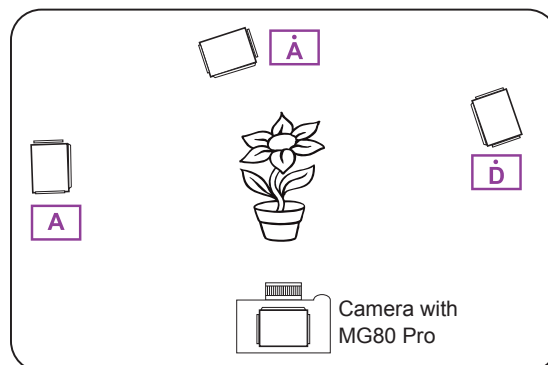


M/TTL mode

Both basic and advance group can be operate in the MG80 Pro commander mode. User can switch between these two groups whenever they want.

Example:

Use the i60A in basic group A on manual, use two MG10 in advance group Ȧ & Ḋ in TTL and manual mode.



### NOTE

i60A, Di700A and Air1 does not support the Basic Group **D** and the Advance Group **Ȧ** / **Ḃ** / **Ċ** / **Ḋ**. Please turn to Basic Group **A** / **B** / **C** to use with these flash.
















## Group Setting

MG80 Pro, provides individual control of 8 groups (A, B, C, D &  $\dot{A}$ ,  $\dot{B}$ ,  $\dot{C}$ ,  $\dot{D}$ ) with different settings. Before shooting, you have to set each strobes to be one of the groups.

### Nissin Di700A Flash

1. Power on Nissin Di700A and switch to  wireless slave mode, press  several times until the Group mode in the display.
2. Turn the  to change the  /  /  group. Press  key to confirm.

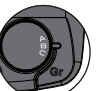



### Nissin i60A Flash

1. Use  Mode Dial to change group  /  / .

### Nissin MG10 Flash

1. Use  Mode Dial to change group  /  /  /  /  /  /  / .

### Nissin Air R Receiver


1. Use  Mode Dial to change group  /  / .

### Nissin MG80 Pro Slave Mode

1. Press  Group Selection button to change  /  /  / 

Hold  1 second to change between Basic Group and Advance Group.

### Nissin MG80 Pro Commander Mode


The setting for the On-Camera flash on Advance Group .



## Group On/off Setting

If you want to change the flash effect of different slave units group, you can turn on or off the other.

### Nissin MG80 Pro Commander Mode

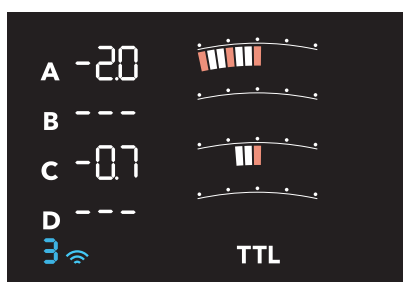
1. Press  Group Selection button of MG80 Pro.

Press the "Group ON/OFF" button when the selected group is blinking.

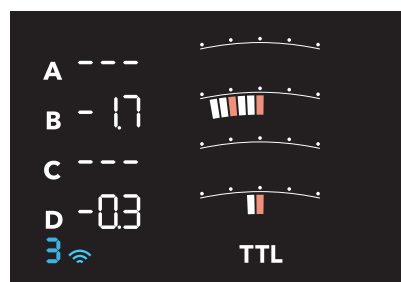
After switched on the group, the value and the bar of exposure setting will be appeared on the screen. When it switched off, only "---" is shown.

2. Press the "Group Selection" button again when finish setting.

(\*)If there are no selected group, press  will change status of all groups.



A & C: on, B & D: off



A & C: off, B & D: on

#### NOTE

MG80 Pro Commander Mode setting are under Basic Group A. Changing Basic Group A will affect the On-Camera flash.

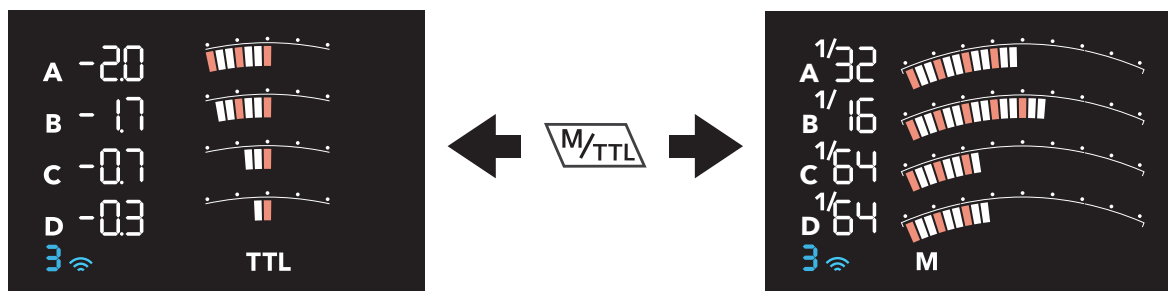


## Flash power control modes

When the NAS flash set to the wireless mode, all exposure setting function will be controlled by the NAS commander.


### TTL and M exposure mode switch

In Basic group: Press the  button.



In Advance groups:

To set different exposure in each group:

1. Press the Group Selection button. When the letter A, B, C or D blinks, press  to change between M and TTL mode.
2. After completing the exposure mode setting, press the Group Selection button again.

#### NOTE

MG80 Pro Commander Mode setting are under Basic Group A. Changing Basic Group A will affect the On-Camera flash.

## Flash Exposure Control

### TTL flash exposure compensation

1. Press Group Selection button, the group letters blink.
2. Rotate the Operation Dial to increase or decrease the TTL flash exposure compensation. The settings of TTL starts from -2EV to + 2EV and control by 1 / 3EV step interval.



TTL mode

In addition, there is exposure value shown in the bar chart:

- Setting of 0EV shows in 0.0,
  - Setting of -2EV to -0.3EV will be displayed in -2.0 to -0.3;
  - Setting of +0.3EV to + 2EV will be displayed in 0.3 to 2.0.
3. When the exposure compensation setting completed, press the group selection button again.

### TTL memory (exposure value memory)

Switch the MG80 Pro from TTL mode to M, the last flash power setting will be saved in TTL control. Flash power value will also remain memorized in M mode.

#### NOTE

If you do not press any group selection button, all group letter will not blink. Rotate the Operation Dial to increase/ decrease the power of them groups. For example, A: 0EV, B: + 0.6EV, C: + 1EV, D: -1EV, do not select any group then turn the Operation Dial clockwise in 2 click intervals, it will cause to A: + 0.6EV, B: + 1.3EV, C: 1.6EV, D: -0.3EV.

## Flash Exposure Control

### M manual flash mode power control

1. Press Group Selection button, the group letter blinks.
2. Rotate the Operation Dial to increase or decrease the power of the selected group.  
The setting of M mode starts from 1/256 (minimum) to 1/1 (Full) and it controlled by 1/3 step intervals. The value digi displayed next to the group only shows the integer step value (\*).



M mode

3. When the M mode setting is completed, press the group selection button again.

(\*) The integer step values of Nissin MG80 Pro

1/1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128 and 1/256

### TTL memory (exposure value memory)



Switch the MG80 Pro from TTL mode to M, the last flash power setting will be saved in TTL control. Flash power value will also remain memorized in M mode.

#### NOTE

If you do not press any group selection button all group letter will not blink. Rotate the Operation Dial to increase/ decrease the power of all group. For example, A: 1/256, B: 1/8 + 0.6EV, C: 1/4, D: 1/2, do not select any group then rotate the Operation Dial clockwise with 2 intervals, it becomes  
A: 1/256 + 0.6EV , B: 1/4 + 0.3EV, C: 1/4 + 0.6EV, D: 1/2 + 0.6EV.

## Zoom head setting

Nissin MG80 Pro offers "A" auto zoom, "AL" auto zoom limited and manual zoom.

1. Hold or double click the  for 2 seconds.
2. Press the group selection button to select the group. (On-camera Mode will not show the other group) Rotate the Operation Dial to change the Zoom head position setting.  
The focal length is representing the flash angle. Rotate the Operation Dial in anti-clockwise direction to decrease the value of the focal length of zoom head. Keep rotating anti-clockwise to change the "A" automatic zoom mode at the end. Make a turn anti-clockwise to enter the "AL" automatic zoom limited mode. Turn anti-clockwise once to exit the "AL" automatic zoom limited mode. Rotate the Operation Dial in a clockwise direction to leave. The "A" auto zoom mode will increase the value of the focal length value of zoom head. Coverage range supports 24mm, 28mm, 35mm, 50mm, 70mm, 85mm, 105mm, 135mm and 200mm focal length lenses.  
The "AL" automatic zoom limited mode will set the value of the focal length value of zoom head from coverage range 24mm, 28mm, 35mm and 50mm focal length lenses when turned on modelling.
3. Press the group selection button again after completion of the zoom setting.  
Hold / double click  for 2 seconds again when all groups zoom settings are completed.

### NOTE

If you do not press any group selection button, which means all group letters in the display do not blink, rotating the Operation Dial to increase or decrease the flash zoom head focal length will affect all groups; A, B, C and D.

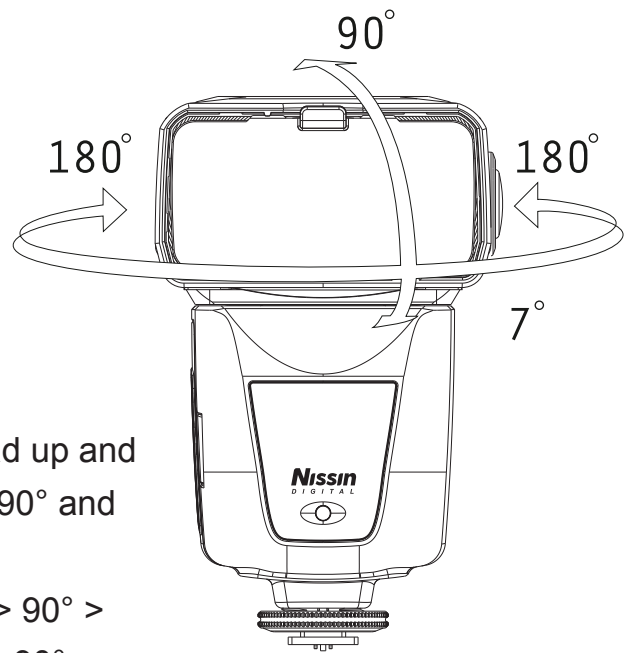
Nissin MG80 Pro Guide No. at manual exposure mode (ISO 100 in meters)

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, 4/3 system format and 1" sensor format.

## 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.



- Press the rotate lock to turn the flash head up and down. It turns upward to 45° > 60° > 75° > 90° and downward to 7°
- The flash head sideway to left 30° > 60° > 90° > 120° > 150° > 180° or to right 30° > 60° > 90° > 120° > 150° > 180°.
- Or mixing it upward/downward/ sideways, you can set it in multiple directions as shown.
- When the flash head stays at turning or tilting position, the zoom setting position of MG80 Pro 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 color is preferable. Colored ceiling or wall may reflect its color on the subject.

## 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. AF light will be disabled if the camera body has a built-in AF assist light.






## Modeling light

Normal flashguns have a very short flash duration. In order to estimate and control the flash more efficiently, modeling light can be used. It is a constant light for the user to estimate and preview the light before shooting (flash emitting).

(\*) Modeling light is a new feature of the NAS system.

Nissin Di700A, i60A, i40 flash and other discontinued models do not support this feature.

### Turn on/off the modeling light

1. Press the Group Selection button(s), the group letter(s) blink.
2. Press  to switch the group's modeling on/off.
3. Press the Group Selection button again when setup completed.

#### NOTE

If you do not press any group selection button, which means all group letter in the display do not blink, pressing the modeling light button will invert the modeling on/off setting of all groups. For example, A & C: On and B & D: off, press the modeling light button without selecting any group, will cause to A & C: Off, and B & D: On.



## High Speed Synchronize ( HSS / FP )

Flashgun supports shutter speed limitation on X-Sync (maximum speed synchronize to flash) on SLR / DSLR /Mirrorless Cameras in general. If it does not support HSS function of the camera, faster shutter speed settings than the maximum synchronize speed will block the flash gun. With faster shutter speeds than the maximum sync speed some part(s) of the image area would be shaded by the moving shutter leaves within the flash duration. As a result the image is only partially exposed by the flash light.”. HSS allows flashgun works under high speed shutter (max 1/8000s).

### MG80 Pro HSS On & Off switch

- For Canon, Sony and Four Thirds  
Hold **H<sup>⚡</sup>** button for 2 seconds to turn on or off.
- For Canon, Nikon and Fujifilm
  1. Insert MG80 Pro to camera shoe.
  2. Switch on both MG80 Pro and Camera,  
Change the Flash sync speed to Auto FP in the camera menu.

### Exposure setting under HSS mode


The flash emitting operation in HSS mode is different from the normal flash mode. With the HSS function, users can get a faster shutter speed which will result in a lower guide number. This is equivalent to a lower flash output. The flash of HSS cannot be measured by an external light meter. When HSS is on, the exposure compensation setting of TTL mode offers the same -2EV to +2EV of basic mode. Using the power control of "M" Manual mode under HSS, the MG80 Pro offers 1/32 to 1/1 power range only. If power is set from 1/256 to 1/64+0.3EV, "M" manual power setting will automatically change to 1/32 in HSS mode.



## Buzz (Beep sound) on strobes

All settings of strobes are controlled by the commander wirelessly after the pairing is completed. If the strobes buzzer is on, a “Beep” sound will be heard when the Strobe is charging and not ready to flash. The “Beep” sound will be heard everytime when there is any change made through the commander.

### MG80 Pro Beep or Buzzer on & off switch

Hold  button to switch the buzzer (on strobes) on or off.

When “no buzzer” logo is displayed in LCD, it means that the beep sound is off.

When the “no buzzer” logo disappears, then the buzzer function is turned on.

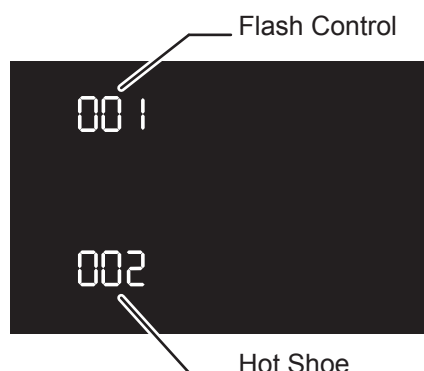
## Firmware update procedure

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

- The computer (Windows or Mac) connected to the Internet
- A Micro SD/SDHC card (recommend 4GB-32GB) and Micro SD card reader.
- MG80 Pro with 4pcs of full Li-ion batteries or re-chargable AA batteries.

1. Download the Firmware file(s). Check the link below to download firmware files:  
<https://www.nissindigital.com/mg80pro-details>
2. Insert Micro SD/SDHC card to the card reader and connect to the computer.
3. Format Micro SD/SDHC card under FAT32 format (Please backup before format).
4. Copy all Firmware file(s) to Micro SD/SDHC card.
5. Eject the Micro SD/SDHC and remove from the card reader.
6. Insert AA batteries into MG80 Pro and switch on it.
7. Then switch off the MG80 Pro.
8. Remove the Micro SD/SDHC cover of MG80 Pro, insert the Micro SD/SDHC which contains the latest firmware update files into the MG80 Pro.
9. Switch on the MG80 Pro. A LED light inside the Micro SD card slot of MG80 Pro will blink, it will blink and the light will change orange to red and stop blinking once the update is finished.
10. The green light will emit when the firmware update procedure is completed. Remove the batteries and remove the Micro SD/SDHC.
11. Insert the batteries again and switch on the MG80 Pro.

## How to check firmware version of MG80 Pro



Switch on power, press and hold the Power on/off button for 5 seconds. LCD display will show 2 different firmware versions. Release the Power button about 2 seconds, firmware version page will disappear and returns to the front operation page.

## Specifications

Type	Canon / Nikon / Sony / Fujifilm / Panasonic / Olympus
Guide no. (at ISO 100)	GN60@200mm / GN32@35mm / GN20 without zoom cover / 83Ws
Power source	4x 14500 Li-ion or 4xAA rechargeable Batteries
Recycling time (Full Power)	1.2sec with 4x Li-ion rechargeable Batteries 3.0sec with 4xAA rechargeable batteries
Number of flashes (Approx.)	360 times with 4x Li-ion 1000mAh rechargeable batteries <sup>(1)</sup> 250 times with 4x AA 2450mAh rechargeable batteries
Radio specifications	NAS 2.4GHz ISM band (to obtain technical standards certification)
Channel	8 channels
Flash Groups	8 groups <sup>(2)</sup> : A , B , C , D & Å , Æ , Ç , Ñ
Transmission distance	100 meters <sup>(1)</sup>
Flash exposure mode	TTL automatic flash exposure mode with +/- 2EV compensation and in 1 / 3EV step intervals; M manual flash output mode, offers 1/256 to 1/1 control with 1/3 step intervals
Supporting TTL Exposure control	E-TTL II / E-TTL (Canon); [TTL] i-TTL ( Nikon); [manual]/ ADI/ PTTL (Sony); TTL (Fujifilm, Panasonic, Olympus)
Flash sync mode	1st curtain & 2nd curtain sync. <sup>(3)</sup> , red-eye reduction HSS (up to 1 / 8000s ), slow shutter sync.
Zoom mode (Flash coverage area)	Auto Zoom, Auto Limited, 18mm(diffusor) 24mm, 28mm, 35mm, 50mm, 70mm, 85mm, 105mm, 135mm, 200mm
Special features	Modelling light <sup>(2)</sup> , Advanced groups <sup>(2)</sup> , TTL memory
AF-assist beam effective range	0.7 to 5 meters <sup>(1)</sup>
Display	LCD color display
Firmware update	Micro SD / SDHC (up to 32GB) (Not included)
Continuous flash speed	Up to 10 shots per second
Hot shoe	Metal shoe with ring lock
Size	Approx. 73(W) x 137(H) x 120(D) mm
Weight	520g / 18.3 oz (without battery)

(1) This is a testing result record, it may be affected by equipment and environmental factors.

(2) This is a new feature which supports a coming new NAS flash.

(3) 2nd curtain sync. are not support on Canon camera when using commander mode.

# 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>