

IS/L MULTI-FLASH SYNCHRO MODULE

■ INSTRUCTIONS

- Read this leaflet carefully before using your IS/L MULTI-FLASH SYNCHRO MODULE.
- We recommend that you take test shots to get accustomed to your IS/L MULTI-FLASH SYNCHRO MODULE before taking important photographs.

Thank you for purchasing the IS/L MULTI-FLASH SYNCHRO MODULE.

This unit is an adapter for connecting external flashes other than the G40 to an IS-Series camera. The external flash can be synchronized with the camera when this unit is mounted on the camera's hot shoe and the external flash's plug is connected to the synchro socket on the top of the unit.

MAIN FEATURES

- Either normal synchro or follow synchro can be selected.
- The camera's built-in flash can be used simultaneously with an external flash.
- The AF illuminator is provided.

CAUTIONS

- Use only an external flash that has a synchro connector.
- The flash strength of the connected external flash cannot be controlled from the camera. Use the external flash's automatic or manual mode.

Symbols used in this manual:



Manual operation



Indicator on



Operation order



Attention

OLYMPUS®

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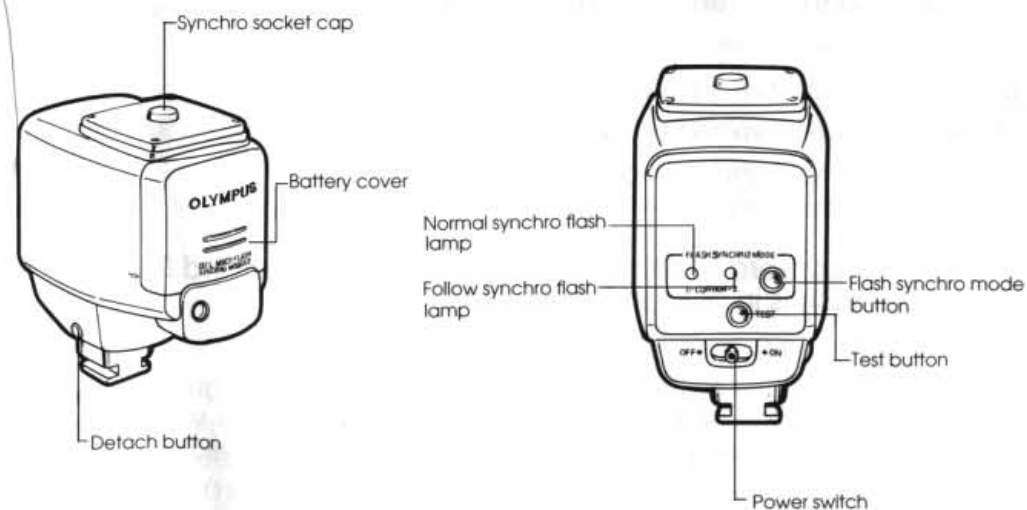
Postfach 104908, Wendenstrasse 14-16, 2000 Hamburg 1, Germany. Tel. 040-23773-0

OLYMPUS OPTICAL CO. (U.K.) LTD.

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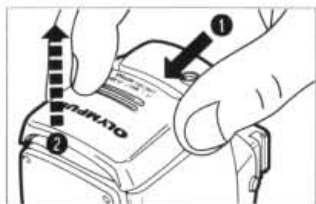
PRINTED IN JAPAN 0992.06MM

NAMES OF PARTS



LOADING THE BATTERIES

Use four AA-size 1.5V alkaline batteries (LR6 type) or Ni-Cd batteries (KR-AA type). Do not mix different types of batteries or new and old batteries at the same time. Remove batteries if you do not plan to use the flash for an extended period of time.



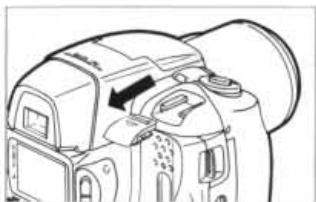
1. Remove the battery cover.



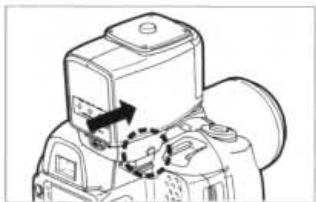
2. Insert the batteries as indicated and replace the cover, sliding as shown.

Note: Some types of Ni-Cd batteries cannot be used, depending on contact configurations.

MOUNTING AND REMOVING THE MODULE



1. Remove the shoe cover from the camera.

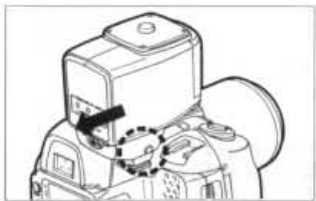


2. Slide the module into the shoe.

(Make sure) To slide the module into the shoe all the way to the end until it locks in place

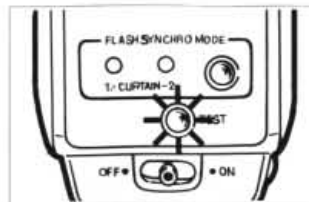
To remove the module from the camera, pull out the module while pressing the detach button.

Note: Set the power switch to OFF when mounting or removing the module.



TEST EMISSION

Exposure can be checked by performing test emission.



1. Set the synchro module's power switch to ON.

(Make sure) The lamp in the TEST button lights.

2. Switch on the external flash's power switch.

(Make sure) The charge lamp of the flash lights.

3. Press the TEST button to perform test emission.

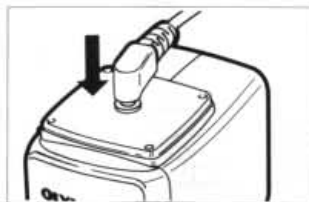
Notes:

- Test emission can also be performed by pressing the test button on the external flash.
- When the external flash is in automatic mode, confirm exposure using the indicator on the external flash.
- When the external flash is in manual mode, exposure can be confirmed using a commercially available incident-light exposure meter.
- The built-in flash will not be activated by pressing the TEST button.

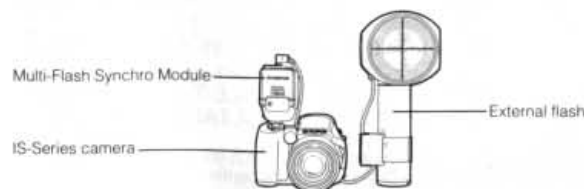
CONNECTING THE MODULE TO AN EXTERNAL FLASH



1. Remove the synchro socket cap.

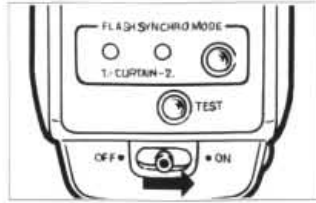


2. Insert the external flash's synchro plug securely into the synchro socket.



TAKING PICTURES

1. Set the module's power switch to ON.



2. Switch on the power of the external flash.

Note: Be sure to keep the power of the module and external flash off when they are not in use.

3. Achieve correct exposure accordingly.

■ When the camera is in the Manual Exposure mode and the external flash is in its automatic mode:

- (1) Set the camera's exposure mode to M (manual).
- (2) Select the aperture on the external flash.
- (3) Select the aperture on the camera according to the external flash.
- (4) Select 1/100-sec. or slower shutter speed.

Note: When a slower shutter speed is selected, slow-synchro photography can be performed.

■ When the camera is in the Aperture-Preferred Auto Exposure mode and the external flash is in its auto mode:

- (1) Set the camera's exposure mode to A (aperture-preferred).
- (2) Select the aperture on the external flash.
- (3) Select the aperture on the camera according to the external flash.
- (4) Make sure the shutter speed is 1/100-sec.

Note: The flash will not fire when the shutter speed is faster than 1/100-sec.

■ When the camera is in the Manual Exposure mode and the external flash is in its manual mode:

- (1) Set the camera's exposure mode to M (manual).
- (2) Select the aperture on the camera from the external flash's guide number and working distance. If the flash has multiple guide-number settings, determine the guide number by referring to the equation below.

$$\text{Aperture} = \frac{\text{Guide number}}{\text{Working distance}}$$

- (3) Select 1/100-sec. or slower shutter speed.

Note: When a slower shutter speed is selected, slow-synchro photography can be performed.

FOLLOW SYNCHRO PHOTOGRAPHY

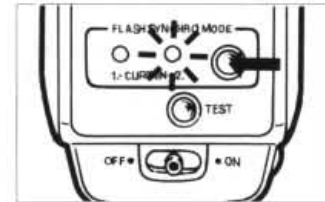
Usually with an SLR, the flash fires when the first curtain of the shutter opens (curtain-1 synchro or normal synchro). By using the Multi-Flash Synchro Module with the IS-Series camera, the flash can be activated immediately before the second curtain of the shutter closes. This is called curtain-2 synchro or follow synchro and is ideal for capturing the movement of light with natural results.

1. Set the camera to  (Night Scene) mode.

2. Check the camera's shutter speed.

Note: Follow synchro is only effective with slow shutter speeds and when the subject is in dimly lit. To prevent camera-shake, use of a tripod, etc., is recommended.

3. Press the FLASH SYNCHRO MODE button of the module so the CURTAIN-2 lamp (red) lights.



4. Check the camera's aperture, and select the working distance at which correct exposure can be obtained with the current aperture setting.

$$\text{Aperture} = \frac{\text{Guide number}}{\text{Working distance}}$$

If the flash has multiple guide-number settings, determine the guide number by referring to the above equation. If the flash has an automatic mode, select the same aperture as that on the camera. (If the aperture settings do not match, the flash will not work.)

5. Press the shutter release button to take the picture.

Curtain-1 Synchro (Normal Synchro)



Curtain-2 Synchro (Follow Synchro)



■ When the camera is in the Aperture-Preferred Auto Exposure mode and the external flash is in its manual mode:

- (1) Set the camera's exposure mode to A (aperture-preferred).
- (2) Select the aperture on the camera from the external flash's guide number and working distance according to the equation below. When the flash has multiple guide-number settings, this equation can be used to determine the guide number as well.

$$\text{Aperture} = \frac{\text{Guide number}}{\text{Working distance}}$$

- (3) Make sure the shutter speed is 1/100-sec.

Note: The flash will not fire when the shutter speed is faster than 1/100-sec.

4. Be sure the charge lamp on the external flash and the lamp in the TEST button on the module light. Then press the shutter release button.

Notes:

- When the lamp in the TEST button is off although the power is ON, press the shutter release button halfway and make sure the lamp lights before shooting.
- Remove the synchro plug from the synchro module when the flash is not to be used.



QUESTIONS AND ANSWERS

Q: How can I determine correct exposure when combining more than two external flashes?

A: Use an incident-light exposure meter.

Q: Can an external flash be used in the Program Auto-Exposure mode?

A: The flash synchronizes, but the correct exposure is difficult to get because the aperture cannot be selected. The Manual or Aperture-Preferred mode is recommended.

Q: Why is the Normal Synchro mode engaged when I press the shutter release button although I have selected the Follow Synchro mode?

A: Because the batteries are low. Flash operation can be negatively affected by weak batteries. Replace the batteries with new ones. When doing so, make sure to first switch off the power.

CARE AND STORAGE

- THE USABLE OPERATING TEMPERATURE IS FROM -10°C TO +40°C (14°F TO 104°F).
- AVOID SUDDEN CHANGES IN TEMPERATURE AND HUMIDITY.
- DO NOT EXPOSE THE MODULE TO EXTREME HEAT OR STRONG MAGNETIC FIELDS.
- DO NOT APPLY EXCESSIVE FORCE TO THE FLASH OR ITS CONTROLS.

- DO NOT USE ORGANIC SOLVENTS WHEN CLEANING THE FLASH.
- AVOID HIGH IMPACT FROM BUMPING OR DROPPING THE FLASH.
- DO NOT DISASSEMBLE THE FLASH; IT CONTAINS HIGH-VOLTAGE CIRCUITRY.

In case of malfunction, consult your nearest Olympus dealer or Olympus service center.

COMBINATION WITH THE BUILT-IN FLASH

With simultaneous use of the built-in flash and an external flash you can achieve a catch-light effect in bounce flash photography and minimize annoying red-eye.

1. Set the camera's exposure mode to A (aperture-preferred), and select the aperture.

Note: In bounce photography, select the aperture by determining the distance between the camera and the subject, the distance the light will travel from the flash to the ceiling (or wall), to the subject, and the bouncing angle.

2. Flip up the built-in flash.

Note: To reduce red-eye, set the camera's flash mode to Auto-S.

3. Set the aperture on the external flash according to the aperture on the camera.

4. Perform test emission and confirm correct exposure from the exposure checking indicator on the flash.

Notes:

- If correct exposure is not obtained, get closer to the subject or select a smaller aperture on the flash.
- When the TEST button is pressed, the built-in flash will not fire.

5. Press the shutter release button to take the picture.

MAIN SPECIFICATIONS

Type: Clip-on type synchro module exclusively for IS-Series camera, provided with shoe-lock function.

Connection to external flash: Synchro socket.

Synchronization timing:

Curtain-1 Synchro (Normal Synchro)/ Curtain-2 Synchro (Follow Synchro), selected using flash synchro mode button.

Automatic power-off: FLASH SYNCHRO MODE lamp is extinguished when no operation is made for 30 sec. and TEST lamp is extinguished when no operation is made for 60 sec. while module is mounted on camera and power is left ON. Power resumes as soon as any operation is performed. When module is not mounted, TEST lamp goes out after 30 sec. without operation.

AF illuminator: Automatic actuation. Working distance — approx. 7 m (23 ft).

Power source: Four 1.5V AA-size alkaline batteries (LR6 type).

Ni-Cd batteries can also be used.

Dimensions: 85 (H) x 51 (W) x 80 (D) mm (3.3 x 2 x 3.1 in).

Weight: 105 g (3.7 oz).

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.