



Studio Flash Trigger

DM-04/DM-16
Instruction Manual



Foreword

Thank you for purchasing DM-04/DM-16 Studio Flash Trigger. The device is composed of two parts, namely signal transmitter and receiver. It is a control discreteness for camera to trigger studio flashlight synchronously.

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For Your Safety

To prevent damage to the product or injury to you or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where users can read them for ready reference.

- ▲ **Do not disassemble or modify**
Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries and take the product to authorized maintenance center for inspection.

- ▲ **Keep dry**
Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.

- ▲ **Keep out of the reach of children**
This device contains small parts that may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

- ▲ **Do not expose to high temperature**
Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperature. Failure to observe this precaution could result in fire or damage to the casing or internal parts.

Names of Parts

• Body



Receiver

- (1) AC Output Pin
- (2) AC Input Jack
- (3) Trigger Output Pin
- (4) Channel Code Switch (subject to different model)
- (5) Receiving Signal LED Indicator
- (6) Power LED Indicator

Transmitter

- (7) Hot Shoe Fitting
- (8) PC Cord Jack
- (9) Transmitting Signal LED Indicator
- (10) Test Button
- (11) Channel Code Switch (subject to different model)

• Accessories

- 1. PC Cord
- 2. Instruction Manual
- 3. Convert Adapter



• Battery

The transmitter is equipped with a 23A 12V lithium-ion battery which can normally be used for over ten thousand times.

• Channel Settings

There are 16 channels in this device. Set the transmitter and receiver on the same channel before use. Check the table for channel setting as below:

channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
S1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
S2	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
S3	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
S4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1

Instructions for Use

• Function Introduction

DM-04/DM-16 Studio Flash Trigger is based on a wireless remote system. The transmitter is equipped with an advanced electric circuit. It has sleep function, thus very low power consumption is needed. The receiver is used with alternating current, and it achieves quick response under the advanced MCU control. It can meet the need of sync flash for any different shutter camera.

• Connection

1. Unplug the AC Power Pin from the strobe and insert it into the AC Input Jack (2).
2. Insert AC Output Pin (1) into the Power Input Jack of the strobe.
3. Insert the Trigger Output (3) into the sync cord Jack of the strobe.
4. Connect the AC power supply and the power LED indicator (6) will turn green.



• Operation

1. Set the transmitter and receiver in the same channel position.
2. Press down the Testing Button (10), and the Trigger Signal LED Indicator (5) will turn red and simultaneously the strobe will flash to work.
3. Insert the Hot Shoe (7) into the camera hot shoe mount for normal use. (It varies in cameras)
4. If the camera has no hot shoe jack, insert one end of the synchronous line into the socket for Synchronous Line (8) and the other end into the synchronous jack of the camera.



Attentions

- Unable to trigger flash or camera shutter. Make sure the transmitter and receiver are set to the same channel, and the PC cord or the hot shoe mount is completely connected.
- Signal disturbance or shooting interference. Change different channel on the device.
- Operating distance limited or flash missing. Check if the battery is exhausted. Try to change the battery.
- Keep away from strong magnetic field. The strong static or magnetic field produced by devices such as radio transmitter leads to malfunction.

Maintenance

- **Avoid falling**
The device may malfunction after strong shocks or under excess stress.
- **Keep dry**
The production isn't water-proof. It will lead to malfunction if soaked in water or exposed in high humidity, which cause malfunction and rust, corrosion.
- **Avoid sudden temperature changes**
such as the circumstance when taking the remote control out of a building with higher temperature to outside in winter. This may lead to condensation of moisture. Please put the remote control in handbag or plastic bag to prevent sudden temperature changes.

Technical Data

Model	DM-04	DM-16
Channel	4	16
Transmit frequency	433MHz wireless remote system	
Transmitter power	12V 23A lithium-ion battery	
Receiver power	AC:100-240V; 50/60Hz	
Sync socket	Φ6.35mm / Φ3.5mm	
Outdoor operation distance	≤ 30 m (Open space)	
Indoor operation distance	≤ 20 m (Open space)	
Sync speed	1/200 sec	
Transmitter Dimension	72*40*33mm	
Receiver Dimension	72*59*34mm	

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FCC ID: 2ABYNDM-16

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.