

MEKE MK430N

Meike MK430N TTL Speedlite Flash Instruction Manual

Model: MK430N | Brand: MEKE

1. INTRODUCTION

The Meike MK430N is a versatile TTL Speedlite flash designed for Nikon cameras with a standard hot shoe. It offers a range of advanced features to enhance your photography, including automatic flash control (i-TTL), manual power adjustment, and optical slave modes. This manual provides comprehensive instructions for setting up, operating, and maintaining your MK430N Speedlite to ensure optimal performance.

2. PRODUCT FEATURES

The Meike MK430N Speedlite is equipped with the following key features:

- Supports i-TTL auto flash mode for automatic exposure control.
- Features S1/S2 optical slave modes for off-camera flash triggering.
- High Guide Number (GN) of 42 (ISO 100, 105mm) in a compact design.
- Supports MULTI flash mode for capturing intricate motion states.
- LCD display for precise control of brightness and other settings.
- Comprehensive functions and user-friendly operation suitable for beginners.
- Overheat protection with automatic flash temperature detection for extended service life.
- Bounce flash capability with a rotating and tilting flash head.
- First-Curtain Sync and Second-Curtain Sync support.
- Flash Exposure Compensation (FEC) for fine-tuning flash output.



Main Features

- GN42
- I-TTL Mode
- Bounce Flash
- Stroboscopic Flash
- First-Curtain Sync
- Second-Curtain Sync
- Manual Flash(S1/S2function)
- Flash Exposure Compensation

Image: Main features of the Meike MK430N Speedlite Flash.

3. PACKAGE CONTENTS

Upon opening the package, you should find the following items:

- Meike MK430N Speedlite Flash Unit
- Instruction Manual
- Mini Stand
- Protective Carrying Pouch



Image: The Meike MK430N Speedlite Flash and its components.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment door on the side of the flash unit.
2. Slide the door open.
3. Insert four (4) AA size batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment door securely.



Image: Battery compartment and pull-out diffuser of the Meike MK430N Speedlite.

4.2 Mounting on Camera

1. Ensure your camera is powered off.
2. Slide the flash unit's hot shoe mount into your camera's hot shoe slot.
3. Tighten the locking ring or lever on the flash unit to secure it firmly to the camera.
4. Power on your camera, then power on the flash unit.





Image: Meike MK430N Speedlite mounted on a Nikon DSLR camera.

5. OPERATING MODES

The MK430N Speedlite offers several operating modes to suit various photographic needs:

- **i-TTL Mode:** (Through The Lens) Automatic flash exposure control where the camera measures the light

reflected from the subject and adjusts the flash output accordingly.

- **M (Manual) Mode:** Allows you to manually set the flash output power from 1/1 (full power) to 1/128 in 1/3 stop increments.
- **MULTI (Stroboscopic) Mode:** Fires the flash multiple times during a single exposure to capture a sequence of movements. You can set the flash frequency, number of flashes, and flash output.
- **S1 (Optical Slave) Mode:** The flash fires in sync with the main flash when it detects a flash from another unit. This mode ignores pre-flashes.
- **S2 (Optical Slave) Mode:** Similar to S1, but this mode is designed to ignore the pre-flash of a TTL system, making it suitable for use with cameras that emit a pre-flash.



Image: Flash head rotation for bounce flash, enhancing lighting control.

MANUAL ADJUSTMENT

The flash has 8 steps of power output control. +2 Stop increments of power output control is great for creating more refined light



Image: Manual power adjustment and multi-flash mode capabilities.

6. CONTROLS AND DISPLAY

The MK430N features an intuitive control panel and LCD display for easy operation:

- **LCD Display:** Shows current settings such as flash mode, power output, ISO, zoom level, and battery status.
- **PILOT Button:** Test flash button. Press to fire a test flash and check the flash output.
- **MODE Button:** Cycles through different flash modes (i-TTL, M, MULTI, S1, S2).
- **ZOOM Button:** Adjusts the flash head's zoom position (flash coverage) manually.
- **ON/OFF Button:** Powers the flash unit on or off.
- **SET Button:** Confirms selections or enters sub-menus.
- **Adjustment Buttons (< / >):** Used to navigate menus and adjust values for settings like power output, zoom, and frequency.



Image: Detailed view of the LCD display and control buttons.

7. SPECIFICATIONS

Feature	Specification
Product Model	MK430
Flash Type	Professional Speedlite
Circuit Number	42 (ISO 100, 105mm)
Flash Mode	TTL, M, MULTI, S1, S2
Flash Duration	1/200s - 1/20000s
Color Temperature	5600K
Power Supply	4 AA size batteries

Feature	Specification
Recycle Time	Approx. 3s
Weight	13.4 ounces (Approx. 275g)
Size	Approx. 165 x 74 x 60mm
Flash Coverage	24-105mm (14mm with wide panel)
Additional Features	FEC, AEB, Manual Zoom, Automatic Zoom
Circuit Design	Insulated Gate Bipolar Transistor (IGBT)
Compatible Mountings	Nikon
Flash Sync Speed	1/200s
Connectivity Technology	Optical Pulse

Specifications

Product Model	MK430
Flash Type	Professional Speedlite
Circuit Number	42(ISO 100,105mm)
Flash mode	TTL,M,MULTI,S1,S2
Tiempertura de color	1/200s-1/20000s
Power supply	5600k
Recycle supply	4 AA size batteries
Weight	About 3s
Size	Abut 275g
Recycle time	About165*74*60mm
Flash coverage	24-105mm(14mm with wide panel)
Additional features	FEC,AEB,zoom manual,zoom automatico
Circuit design	Insulated Gate Bipolar Transistro(IGBT)



Image: Technical specifications of the Meike MK430N Speedlite Flash.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Speedlite flash:

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid using strong detergents or solvents.
- **Storage:** Store the flash unit in a cool, dry place away from direct sunlight and high humidity. If storing for an extended period, remove the batteries to prevent leakage.
- **Battery Care:** Always use fresh, high-quality AA batteries. Replace all four batteries at the same time. Do not mix old and new batteries or different types of batteries.
- **Hot Shoe Contacts:** Keep the hot shoe contacts clean and free from dust or debris to ensure reliable communication with your camera.

9. TROUBLESHOOTING

If you encounter issues with your Meike MK430N Speedlite, refer to the following common problems and solutions:

- **Flash does not fire:**
 - Check if the flash unit is powered on.
 - Ensure batteries are correctly inserted and have sufficient charge.
 - Verify the flash is securely mounted on the camera's hot shoe.
 - Check camera settings to ensure external flash is enabled.
 - If in optical slave mode (S1/S2), ensure the main flash is firing correctly and the sensor is unobstructed.
- **Flash output is too weak/strong:**
 - In i-TTL mode, check Flash Exposure Compensation (FEC) settings on both the flash and camera.
 - In Manual mode, adjust the power output setting using the adjustment buttons.
 - Ensure the flash head zoom matches the lens focal length or is set appropriately for the scene.
- **LCD display is blank or flickering:**
 - Replace batteries with fresh ones.
 - Power cycle the flash unit (turn off, then on).
- **Flash overheats:**
 - The flash has built-in overheat protection. If it overheats, it will temporarily stop firing. Allow it to cool down before resuming use.
 - Avoid rapid, continuous full-power flashes.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official MEKE website. Keep your purchase receipt as proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question