

Manuals.plus /

› VILTROX /

› VILTROX Spark Z3 TTL Camera Flash User Manual

## VILTROX Spark Z3

# VILTROX Spark Z3 TTL Camera Flash User Manual

Model: Spark Z3

## 1. INTRODUCTION

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This manual provides detailed instructions for the VILTROX Spark Z3 TTL Camera Flash. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance. Keep this manual for future reference.

## 2. WHAT'S IN THE BOX

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Verify that all items listed below are included in your package:

- Spark Z3 Camera Flash x1
- Diffuser x1
- User Manual x1
- Box x1

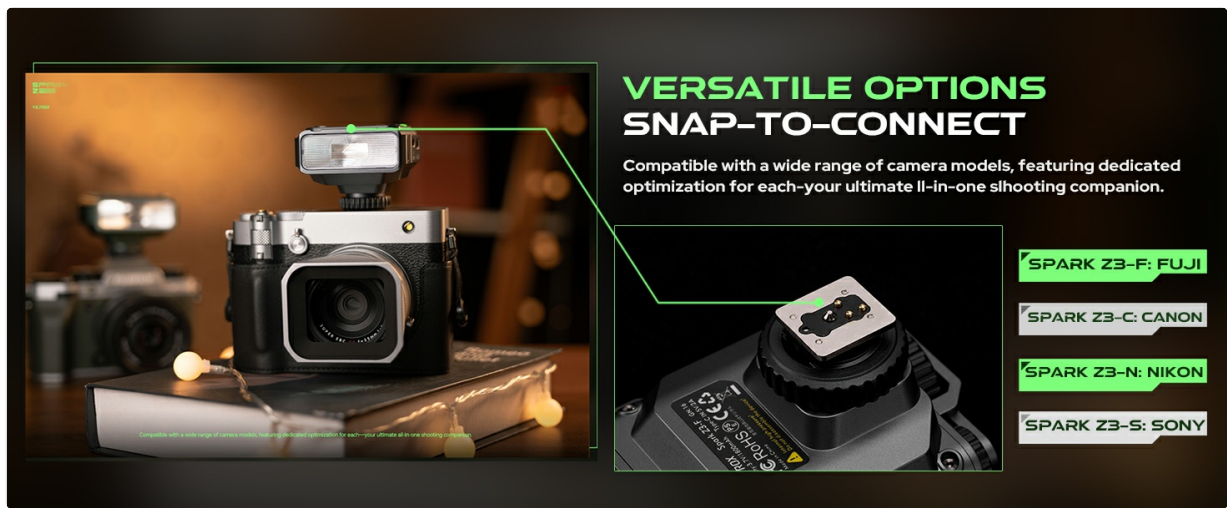


Image: Contents of the VILTROX Spark Z3 retail package.

### 3. PRODUCT OVERVIEW

The VILTROX Spark Z3 features a robust design with a matte metal texture and a transparent "light core engine" showcasing its internal mechanics.



Image: Front and side view of the Spark Z3 flash, highlighting its design elements.

### 4. SETUP AND COMPATIBILITY

The Spark Z3 is designed for easy attachment to compatible camera hot shoes. It offers broad compatibility with various camera brands.

#### 4.1 Mounting the Flash

1. Ensure your camera is powered off.
2. Slide the Spark Z3 flash onto your camera's hot shoe until it clicks into place.
3. Secure the flash by tightening the locking mechanism, if present, on the flash unit.

#### 4.2 Camera Compatibility

The Spark Z3 is available in variants compatible with specific camera systems:

- Spark Z3-F: For Fuji cameras

- Spark Z3-N: For Nikon cameras
- Spark Z3-C: For Canon cameras
- Spark Z3-S: For Sony cameras



Image: The Spark Z3 flash connected to a camera, showing its hot shoe mount and listing compatible camera brands.

## 5. OPERATING MODES

The Spark Z3 offers both automatic (TTL) and manual flash control modes.

### 5.1 TTL (Through-The-Lens) Automatic Mode

In TTL mode, the flash automatically adjusts its brightness based on pre-flash metering. This mode is suitable for beginners and allows experienced users to focus on composition.

### 5.2 Manual (M) Mode

Manual mode allows for precise control over flash brightness. Users can manually adjust the flash output from 1/64 to 1/1 power, providing creative control over lighting.



Image: The mode selection switch on the Spark Z3, indicating TTL and Manual modes.

### 5.3 7-Stage Adjustable Control

The flash offers 26W-s high power output with 7-stop precision control (1/64-1/1), allowing rapid adaptation to various scenarios from still life to portraiture. This enables mastery over light gradation, controlling highlights and shadows effectively.



Image: The power adjustment dial on the Spark Z3, showing the 7-stage control for flash output.

## 6. POWER MANAGEMENT

The Spark Z3 is equipped with a built-in battery designed for extended use and fast charging.

### 6.1 Battery Life and Recycling

The built-in battery provides power for up to 650 full-power flashes on a single charge. The flash boasts a rapid 1-second recycle time at full power, ensuring minimal delays between shots.

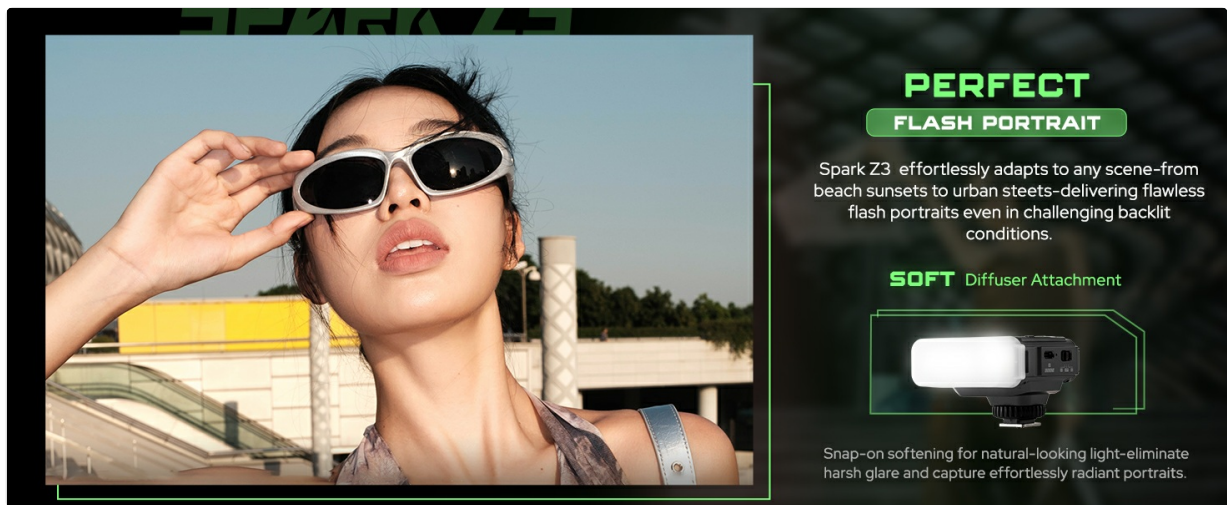


Image: The Spark Z3 flash in use, highlighting its 1-second recycling capability.

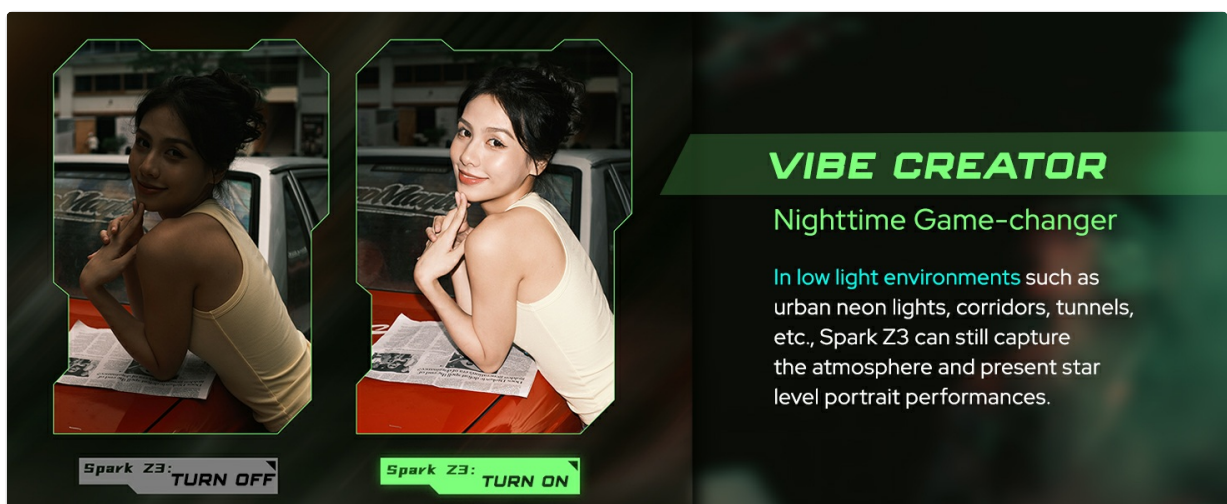


Image: Visual representation of the Spark Z3's battery capacity and charging speed.

## 6.2 Charging

The Spark Z3 supports Type-C fast charging, allowing a full charge in approximately 70 minutes. It also supports simultaneous charging and usage.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your VILTROX Spark Z3 flash, follow these maintenance guidelines:

- **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:** When not in use, store the flash in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan. Recharge periodically if stored for very long durations.
- **Handling:** Avoid dropping the flash or subjecting it to strong impacts.

## 8. TROUBLESHOOTING

If you encounter issues with your Spark Z3 flash, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flash does not fire.	Low battery; incorrect camera settings; flash not securely mounted.	Charge the battery; check camera flash settings (e.g., external flash enabled); ensure flash is fully seated on hot shoe.
Flash output is too weak/strong.	Incorrect manual power setting; TTL exposure compensation needed.	Adjust manual power setting; apply flash exposure compensation on camera or flash.
Slow recycling time.	Low battery; high power output setting.	Recharge the battery; use lower power settings if rapid firing is needed.
Flash not recognized by camera.	Improper mounting; dirty hot shoe contacts; compatibility issue.	Remount the flash; clean hot shoe contacts on both flash and camera; ensure correct Z3 variant for your camera brand.

## 9. SPECIFICATIONS

Feature	Detail
Brand	VILTROX
Model Name	Spark Z3
Model Number	VT-Spark Z3
Compatible Mountings	Sony, Fujifilm, Canon, Nikon
Camera Flash Type	Hotshoe
Flash Sync Speed	1/200s
Included Components	Spark Z3 Camera Flash, Diffuser, User Manual, Box
Connectivity Technology	Wired
Mount Type	Hot Shoe Mount
Shooting Modes	Manual, Automatic (TTL)
Item Dimensions (D x W x H)	2.2"D x 2.65"W x 3.09"H
Color	Gray
Exposure Control Type	Automatic, Manual
Water Resistance Level	Not Water Resistant
Screen Size	78.4 Millimeters
Audio Recording	No

## 10. WARRANTY AND SUPPORT

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The VILTROX Spark Z3 TTL Camera Flash comes with a **1-year warranty** from the date of purchase. For technical support, warranty claims, or service inquiries, please contact VILTROX customer service through their official website or the retailer where the product was purchased. Please retain your proof of purchase for warranty validation.