

VILTROX Vintage Z1

VILTROX Vintage Z1 Retro Camera Flash Instruction Manual

Model: Vintage Z1 | Brand: VILTROX

1. INTRODUCTION

The VILTROX Vintage Z1 is a compact and lightweight hot shoe speedlite designed for use with a wide range of DSLR and mirrorless cameras. Combining a classic retro aesthetic with modern functionality, this flash unit provides adjustable lighting for various photography scenarios. Its built-in rechargeable battery and optical triggering modes offer convenience and versatility for both on-camera and off-camera flash setups.



Figure 1: VILTROX Vintage Z1 Retro Camera Flash


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Video 1: Overview of the VILTROX Vintage Z1 Retro Camera Flash, showcasing its design and features.

2. WHAT'S IN THE BOX

The VILTROX Vintage Z1 Retro Camera Flash package includes the following items:

- Flash Unit (VILTROX Vintage Z1 flash)
- Flash Diffuser
- Packaging Box
- Instruction Manual (this document)



Power Up Fast with Type-C

Battery capacity 3.7V/1100mAh, supports charging while in use
Battery life: Maximum power no less than 400 times

≈50min	≈400
Full charge	Fashes at 1/1 power

Figure 2: Included components of the VILTROX Vintage Z1 package.

3. PRODUCT OVERVIEW

The VILTROX Vintage Z1 features a robust design with intuitive controls for ease of use. Key components include:

- **Power Knob:** Used to adjust flash output levels.
- **Pre-flash Button (Recycle Indicator):** Indicates flash readiness (green) or charging (red/pink).
- **Thumbwheel (Power off/M manual flash key):** Main power switch and manual flash trigger.
- **Light Emitting Area:** Where the flash light is emitted.
- **Photosensitive Induction Light:** Sensor for optical triggering.
- **Charging Indicator:** Shows charging status.
- **Type-C Interface:** For charging the built-in battery.
- **Photosensitive Induction Button (S1/S2):** Selects optical slave mode.
- **Lock Ring:** Secures the flash to the camera's hot shoe.
- **Hot Shoe:** Connects the flash to the camera.

7-level Power Adjustment

Precise Rotary Knob

Flash output	Recycling time
7 levels: 1/64-1/1	0.2s-3.5s
Flash index	Wide angle coverage
GN12 (ISO100)	28mm




Figure 3: Detailed view of the VILTROX Vintage Z1 components.

Camera Compatibility List

Compatible with Sony :	A711,A7IV,A7R5,A7RII, A7RIV, A9,A7RII/V4.0,A7R, A6400,RX10,ZV-1,ZV-E10
Compatible with canon:	5DIII, 5DIV, 70D,80D,1DX,850D,760D,5DI17D1I,6D1I,6D, 800D,90D,600D,7D,M5 , M3.EOS RP, EOS R, R5,60D
Compatible with Nikon :	D800,D780,D5,D4.D500,D610,D750,D700D3005,D3300, D3100,D5300,D5200,D5000Z7II,Z6,Z8,ZFC,D200,D60, D5100,D7500,D7100
Compatible with Fuji :	X-Pro2,X-T20,X-T2,X-T1.GFX50S.GFX5OR,XT30,X-T4, X-T3,X-Pro1,X-T10,X-E1.X-T5,X-M5
Compatible with Panasonic:	GH4,LX100,GF1,G85,Panasonic, GX85,FZ2500GX, S1R,GH5,G7
Compatible with Leica :	SL1,M10,Q2, TYP601, CL,SL2
Compatible with olympus :	E-M1, PRN-F, E-M10 II, E-M10 III, E-PL8, E-P5, E-M5
Compatible with Pentax :	K-3 II,645Z,KP, K-70,K-S2,K-1,K50
Note:	Please check Camera Compatibility before purchasing
Not compatible:	Not compatible with Sony ZV1-F, A9III, A99, A77, A350, ZV1 Mark 2; Not compatible with Canon 3000D,1500D,200DI, R50; Notcompatible with FUJI X-A3,X100F,X100T

Figure 4: The compact and lightweight design of the Vintage Z1.

4. SETUP

4.1 Attaching to Camera

The Vintage Z1 is designed for seamless compatibility with most cameras featuring a standard hot shoe mount. To attach the flash:

1. Slide the flash unit onto your camera's hot shoe.
2. Tighten the lock ring securely to ensure the flash is firmly attached.

Universal Compatibility Maximum Flexibility

Not compatible with Sony ZV-1F/SONY A9iii or other cameras without hot shoe mount



With Universal Touchpoint



Without Universal Touchpoint
Not for (SONY ZV-1F)

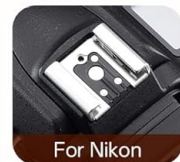
Examples of Hot Shoes for Various Models



For Sony



For Canon



For Nikon



For Fujifilm



For Olympus



For Pentax

Figure 5: Universal hot shoe compatibility with various camera models.

4.2 Initial Charging

Before first use, fully charge the flash unit. The Vintage Z1 features a built-in 1100mAh lithium battery and supports Type-C fast charging.

- Connect a Type-C USB cable (not included) to the flash unit's Type-C interface.
- Connect the other end to a 5V/2A power source.
- A full charge takes approximately 50 minutes. The charging indicator will show progress.

Flash Guide Number: GN12(ISO 100)

Color temperature:6500±200K



Figure 6: Type-C fast charging capabilities.

5. OPERATING INSTRUCTIONS

5.1 Power Adjustment

The flash output can be manually adjusted using the power knob. There are 7 levels of power adjustment, ranging from 1/1 (full power) down to 1/64 power.

- Rotate the power knob to select the desired flash output.
- Recycle time varies from 0.25 to 3.5 seconds depending on the power setting.

7-level Power Adjustment

Precise Rotary Knob



Figure 7: Precise rotary knob for power adjustment.

5.2 Optical Triggering (S1 & S2 Modes)

The Vintage Z1 supports optical slave triggering for multi-flash setups, allowing it to fire in sync with another flash unit.

- **S1 Mode (Standard Optical Triggering):** The flash fires when it detects another flash. This mode is suitable when the master flash does not emit a pre-flash (e.g., manual flash).
- **S2 Mode (Anti-Preflash Triggering):** The flash ignores the first pre-flash from the master unit and fires on the second, main flash. This is ideal for cameras with TTL (Through-The-Lens) metering systems that emit a pre-flash.

Photosensitive Triggering Function

The flash supports optical slave trigger for multi-light setups.



Figure 8: Photosensitive triggering function for slave modes.

5.3 Using the Diffuser

The included detachable softbox (diffuser) helps to soften the harsh light from the flash, providing a more natural and pleasing illumination, especially for portraits and close-up photography.

Power Up Fast with Type-C

Fast charging

50 min



≈50min
full charge

≈400
fashes at 1/1 power

≈10000
fashes at 1/64 power

Figure 9: Attaching the diffuser to soften flash output.

5.4 Shutter Speed Considerations

The VILTROX Vintage Z1 has a flash sync speed of 1/200s. When using the flash, it is crucial to set your camera's shutter speed at or below its maximum flash sync speed (typically 1/200s or 1/250s, depending on your camera model). Shooting at a faster shutter speed than the sync speed can result in partial illumination of the frame, often appearing as a dark band across the image.

Your browser does not support the video tag.

Video 2: Demonstrates the effect of flash on photos and highlights the importance of proper shutter speed settings.

6. MAINTENANCE

6.1 Battery Care

- To prolong battery life, avoid completely draining the battery before recharging.
- Store the flash unit with a partial charge if not used for extended periods.
- The flash unit will enter sleep mode after 15 minutes of inactivity to conserve power. Power on again to resume operation.

6.2 Cleaning

- Use a soft, dry cloth to clean the exterior of the flash unit.
- For the light-emitting area, use a lens cleaning cloth and solution if necessary, ensuring no residue is left.
- Do not use harsh chemicals or abrasive materials.

7. TROUBLESHOOTING

- **Flash Not Firing:**
 - Ensure the flash is powered on (switch set to 'M').
 - Check the recycle indicator; if red/pink, the flash is still charging. Wait for it to turn green.
 - Verify the flash is securely mounted on the camera's hot shoe.
 - If using optical slave mode (S1/S2), ensure the master flash is firing correctly and the sensor on the Z1 is unobstructed.
- **Shadows in Photos:**
 - If using a large lens, the lens barrel may cast a shadow. Try using a shorter focal length lens or stepping back from your subject.
 - Ensure your camera's shutter speed is at or below the flash sync speed (e.g., 1/200s). Faster speeds can cause partial illumination.
- **Overexposed/Underexposed Images:**
 - Adjust the flash power output using the power knob. Increase for underexposure, decrease for overexposure.
 - Consider adjusting your camera's ISO or aperture settings to fine-tune exposure.

8. SPECIFICATIONS

Feature	Specification
Model	Vintage Z1
Guide No. (1/1 output)	GN12 (ISO 100, in meters)
Power (1/1 output)	23W/s
Flash Output Levels	7 levels: 1/1 - 1/64
Recycle Time	0.25 - 3.5s
Flash Coverage	28mm
Flash Duration T0.5	1/5000s - 1/50000s

Color Temperature	6500K ± 200K
Flash Mode	M (Manual mode)
Flash Triggering Mode	S1 (Synchronous flash triggering mode) / S2 (Anti-preflash triggering mode)
Battery Capacity	3.7V, 1100mAh (Built-in Lithium Battery)
Flashes Count (per charge)	400 - 10,000 times (depending on power output)
Charging Period	Type-C 5V/2A (Approx. 50 min)
Dimensions	68.5 x 50.2 x 74mm
Weight	Approx. 116g
Compatible Mountings	Hot Shoe Mount
Sleep Mode	Device enters sleep mode after 15 minutes of inactivity. Power on again to resume operation.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your VILTROX Vintage Z1 Retro Camera Flash, please refer to the warranty card included in your package or contact VILTROX customer service directly through their official website or authorized retailers. Keep your purchase receipt as proof of purchase for warranty claims.