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Minolta MN90NV

Minolta MN90NV 1080p Full HD Night Vision Camcorder User Manual

Model: MN90NV

Introduction

This manual provides detailed instructions for the proper use and maintenance of your Minolta MN90NV 1080p Full HD Night Vision Camcorder. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity. Keep this manual for future reference.

Package Contents

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

- Minolta MN90NV Camcorder
- USB Cable
- HDMI Cable
- AC Adaptor
- Pouch
- Lithium-Ion Battery
- CD-ROM (Software/Drivers)
- 8GB SD Card

Product Overview

Familiarize yourself with the main components of your camcorder.



Figure 1: Front-side view of the Minolta MN90NV camcorder, highlighting the lens and overall compact design.



Figure 2: The camcorder with its 3.0-inch touchscreen LCD panel open, displaying an image. This screen swivels for flexible viewing angles.



Figure 3: Close-up view of the camcorder's control panel, showing buttons for Mode, Menu, Playback, Night Vision Mode, and Power.



Figure 4: Side view of the camcorder, illustrating the USB and DC IN ports for connectivity and charging.

Getting Started (Setup)

1. Battery Installation and Charging

1. Open the battery compartment cover located on the bottom of the camcorder.
2. Insert the provided Lithium-Ion battery, ensuring the correct orientation as indicated inside the compartment.

3. Close the battery compartment cover securely.
4. Connect the AC Adaptor to the DC IN port on the camcorder (refer to Figure 4) and plug it into a power outlet. The charging indicator will illuminate.
5. Charge the battery fully before first use. A full charge typically takes approximately 2-3 hours.

2. Memory Card Installation

1. Locate the SD card slot, typically found under the LCD screen or on the side panel.
2. Insert the provided 8GB SD card into the slot with the metal contacts facing the correct direction, until it clicks into place.
3. To remove the SD card, gently push it in until it clicks, then release, and it will eject.

3. Powering On/Off

- To power on, press and hold the **POWER** button (refer to Figure 3) until the LCD screen illuminates.
- To power off, press and hold the **POWER** button again until the screen turns off.

Basic Operation

1. Mode Selection

Press the **MODE** button (refer to Figure 3) to switch between video recording mode and still image capture mode. The current mode will be displayed on the LCD screen.

2. Recording Video

- Ensure the camcorder is in video recording mode.
- Frame your subject using the LCD screen.
- Press the **RECORD** button (usually a red circle, often located near the thumb grip) to start recording. A red indicator light or on-screen icon will confirm recording is active.
- Press the **RECORD** button again to stop recording.

3. Taking Photos

- Ensure the camcorder is in still image capture mode.
- Frame your subject using the LCD screen.
- Press the **SHUTTER** button (often located on top of the camcorder) to capture a photo.

4. Zoom Function

Use the zoom lever/buttons, typically located near the top of the camcorder, to zoom in (**T** for Telephoto) or zoom out (**W** for Wide-angle). The Minolta MN90NV features 16x digital zoom.

5. Night Vision Mode

- To activate Night Vision, press the **NIGHT VISION MODE** button (refer to Figure 3).
- The infrared (IR) sensor will activate, allowing for recording in low-light or dark conditions up to 35 feet.
- Press the button again to deactivate Night Vision.

6. Playback

- Press the **PLAYBACK** button (refer to Figure 3) to enter playback mode.
- Use the directional controls or touchscreen to navigate through your recorded videos and photos.
- Select a file to view it on the LCD screen.

7. Using the Touchscreen LCD

The 3.0-inch 262k LCD touchscreen allows for intuitive navigation of menus and playback. Tap icons or swipe to access various functions and settings.

8. Connecting to a Computer/TV

- **To Computer:** Use the provided USB cable to connect the camcorder to your computer (refer to Figure 4). The camcorder will appear as a removable drive, allowing you to transfer files.
- **To TV:** Use the provided HDMI cable to connect the camcorder to an HDMI input on your television. Select the corresponding HDMI input on your TV to view your recordings.

Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the camcorder body. For the lens and LCD screen, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Battery Care:** Store the battery in a cool, dry place when not in use. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Storage:** When not in use for extended periods, store the camcorder in its pouch in a dry, dust-free environment, away from extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Camcorder does not power on.	Battery is depleted or incorrectly installed.	Charge the battery fully. Ensure the battery is inserted correctly.
Poor image/video quality.	Lens is dirty; insufficient lighting; incorrect settings.	Clean the lens. Ensure adequate lighting. Check resolution settings.
Night Vision not working.	Night Vision mode not activated.	Press the **NIGHT VISION MODE** button to activate.
Cannot transfer files to computer.	USB cable not connected properly; computer driver issue.	Ensure USB cable is securely connected. Try a different USB port. Install drivers from the provided CD-ROM if necessary.
SD card error.	SD card incorrectly inserted or corrupted.	Reinsert the SD card. Try formatting the card (this will erase all data). Use a different SD card if the issue persists.

Specifications

Feature	Detail
Model Number	MN90NV
Video Capture Resolution	1080p Full HD
Still Image Resolution	24.0 Mega Pixels (max)
Zoom	16x Digital Zoom

Feature	Detail
Night Vision	Infrared (IR) Sensor, up to 35 ft. coverage
LCD Screen	3.0 inch 262k Touchscreen
Image Stabilization	Anti-shake
Storage Media	SDHC (up to 32GB, 8GB card included)
Connectivity	USB, HDMI
Battery	Lithium Ion (included)
Product Dimensions	4.6 x 2.36 x 1.65 inches
Item Weight	7 ounces

Safety Information

- Do not expose the camcorder to water or moisture.
- Avoid dropping the device or subjecting it to strong impacts.
- Keep out of reach of children.
- Use only the specified battery and accessories.
- Do not attempt to disassemble or modify the camcorder.

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Minolta website. Keep your proof of purchase for warranty claims.

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

Details

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