Magnasonic FS81

Magnasonic FS81 Super 8/8mm Film Scanner
Instruction Manual

INTRODUCTION

The Magnasonic FS81 Super 8/8mm Film Scanner is designed to convert your cherished 3-inch, 5-inch, and 7-inch Super 8 and 8mm film reels into digital MP4 video files. This device offers a convenient way to preserve old home movies without the need for a computer during the scanning process. It features a built-in 2.3-inch LCD screen for immediate playback and allows for direct saving to an SD card.

1. SETUP

1.1 What's Included

Before beginning, ensure all components are present in the package:

- Super 8/8mm Film Scanner (FS81 unit)
- 7-inch Take-up Reel
- TV Out Cable (RCA)
- Power Adapter
- USB Cable
- Reel Adapter (x2)
- Cleaning Cloth

What's Included

7" Reel

Super 8/8mm Film Scanner

TV Out Cable (RCA)

Power Adapter

USB Cable

Reel Adapter (x2)

Cleaning Cloth

Image: All components included with the Magnasonic FS81 Film Scanner, laid out for inspection.

1.2 Connecting Power and SD Card

Connect the power adapter to the DC 12V port on the rear of the scanner and plug it into a power outlet. Insert an SD card (up to 32GB, not included) into the SD card slot on the rear panel. This card will store your digitized videos.

Scan and Save

Easily save videos for quick transfer to your computer with an SD Card

Image: The SD card slot on the back of the scanner, ready for video storage.

1.3 Loading Film

Place your film reel onto the left spindle and an empty take-up reel onto the right spindle. Thread the film through the scanner's film path, ensuring it passes through the gate and under the rollers as indicated by the diagram on the scanner. Use the provided reel adapters if necessary for smaller reels.

Fully Automated

Automatically scans your film frame-by-frame and outputs a digital MP4 video file

Image: Detailed view of the film path and scanning area on the Magnasonic FS81.

Digitize & View 3″, 5″, and 7″
Super 8/8mm Movie Reels

Reel Size	3″	5″	7″
Film Duration	3 min	7 min	20 min
Scan Time	20 min	60 min	180 min

Image: The Magnasonic FS81 scanner set up with a film reel, demonstrating its capability to handle 3-inch, 5-inch, and 7-inch Super 8/8mm movie reels.

2. OPERATING INSTRUCTIONS

2.1 Scanning Process

Once the film is loaded, power on the scanner. The device will automatically scan your film frame-by-frame, converting it into a digital MP4 video file. The scanning time varies depending on the reel size:

- **3-inch reel:** Approximately 20 minutes scan time for 3 minutes of film.
- **5-inch reel:** Approximately 60 minutes scan time for 7 minutes of film.
- **7-inch reel:** Approximately 180 minutes scan time for 20 minutes of film.

The scanner digitizes video only; it does not capture audio.

2.2 Adjusting Settings

Use the control buttons on the scanner to adjust settings such as exposure, sharpness, and framing. These adjustments can be made directly on the device without needing a computer.

2.3 Viewing Scanned Videos

You can playback your scanned videos directly on the built-in 2.3-inch LCD screen. For a larger viewing experience, connect the scanner to a TV or monitor using the included RCA video out cable.

Image: The scanner's TV OUT port connected to a television for viewing digitized films.

2.4 Transferring Files

After scanning, the MP4 video files are saved to the inserted SD card. To transfer these files to your computer, you can either remove the SD card and insert it into a card reader, or connect the scanner directly to your computer using the USB cable.

3. Maintenance

Regular maintenance ensures optimal performance and longevity of your film scanner.

3.1 Cleaning the Film Path

Dust and debris can accumulate on film reels, potentially affecting scan quality. Use the provided cleaning cloth or a soft brush to gently clean the film path and the scanning area before and after each use, especially when handling older films.

4. Troubleshooting

If you encounter issues with your Magnasonic FS81 Film Scanner, refer to the following common solutions:

- **No Power:** Ensure the power adapter is securely connected to both the scanner and a working power outlet.
- **Film Not Feeding:** Check that the film is correctly threaded through the film path and that the reels are properly seated. Ensure the film is not damaged or excessively brittle.
- **Poor Image Quality:** Clean the film path and the scanner's lens. Adjust the exposure and sharpness settings via the scanner's menu. Ensure the original film is in good condition.
- **SD Card Error:** Verify the SD card is inserted correctly. Ensure the SD card is not full and is formatted to a compatible file system (e.g., FAT32). Try a different SD card if the issue persists.
- **No Video on TV:** Confirm the RCA cable is securely connected to both the scanner's TV OUT port and the TV's video input. Select the correct input source on your television.

For further assistance, please contact Magnasonic customer support.

5. Specifications

Feature	Detail
Scanner Type	Film
Brand	Magnasonic
Model Name	FS81
Connectivity Technology	USB, Video Out TV cable
Product Dimensions	5.1"D x 12.1"W x 7.5"H
Resolution	1080p (1440 x 1080)
Item Weight	4.4 Pounds
Wattage	5 watts
Minimum System Requirements	Windows 7
UPC	061783270448

12.6 in

7.5 in

5.1 in

Film Transfer
Instructions

8mm   Super 8

MAGNASONIC

Connect to computer
via USB to transfer
scanned videos

SD Memory Card
slot for saving video
files

MAGNASONIC
Model: FS81
Input/Entrée: DC12V⎓1500mA
CE FC
Made in China/Fabriqué en Chine

USB   TV OUT   SD   DC 12V

Connect to a TV for
scan preview and
video review

Power

Image: Top and rear views of the Magnasonic FS81 scanner, highlighting its dimensions and connectivity ports like USB, TV OUT, SD card slot, and DC 12V power input.

6. WARRANTY AND SUPPORT

Magnasonic products come with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, troubleshooting, or warranty claims, visit the official Magnasonic website or contact their customer service department.