

NEO Slim Series Digital Photo Frame Owner's Manual

Models: M709A, M803A, M973A

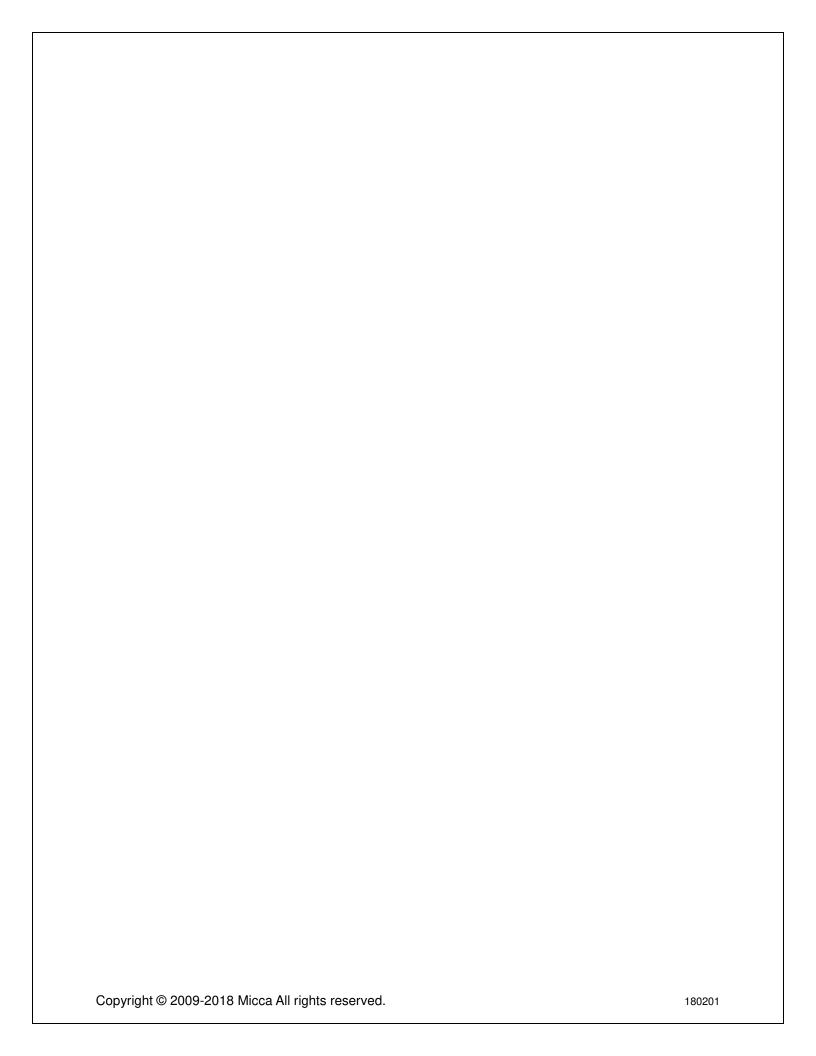
Got a Question or Need Help?

Email our technical support team at: **support@miccatron.com** for personalized assistance with the setup and use of this product. Please visit our product information website **www.miccatron.com** for the following:

- Product Updates
- User's Manuals
- Troubleshooting Wizard
- Technical Support Request

Warranty: 1 Year

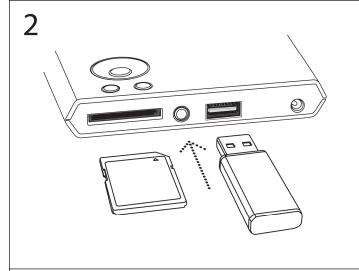
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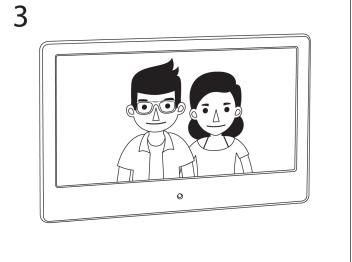
Quick Start Guide

Copy photo, music, and video files onto an SD card or USB drive.

Insert SD card or USB drive into the photo frame.



Turn on the photo frame, the photo slideshow will automatically start.



Enjoy!

1 Introduction

1.1 Preface

Thank you for purchasing this digital photo frame. We hope you will enjoy using it to view your treasured photos. This photo frame has the following features:

1.1.1 Highlights

- High resolution wide view-angle LCD screen with vibrant colors
- Natural-view 4:3 screen displays photos with minimal cropping (M803A, M973A)
- Wide screen 16:9 display ratio for dramatic visuals (M709A)
- Displays JPG photos with EXIF rotation support
- Shows 720p high definition videos (subject to format limitations)
- Plays MP3 music through built-in speaker or headphone output

1.1.2 Features

- Displays JPG image/photo files as slideshow in random or sequential order
- Plays MP3 music files as background music
- Supports MKV, MP4, MOV, and AVI video with MPEG4 or H.264/AVC encoding up to 1280x720 HD resolution
- Compact IR remote control
- USB 2.0 host connector supports USB flash drives with FAT32 file system
- Flash media card reader supports SD cards up to 32GB
- Automatic photo slideshow, music, or video playback
- Auto power on/off feature with flexible scheduling
- Adjustable slideshow sequence, speed, and transition effects
- Clock and calendar with slideshow
- Adjustable screen brightness, contrast, and saturation
- Multiple language support: English, French, Italian, German, Spanish

Note: All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

2 Precautions

2.1 Precautions and Maintenance

- This product is intended for residential indoor use only. It is not intended for outdoors
 use, or use in harsh environments, or demanding commercial use.
- To avoid risk of fire or electric shock, do not expose the unit to moisture or condensation.
- To avoid overheating, do not block the ventilation holes on the digital photo frame.
- Keep the digital photo frame away from direct sunlight.
- Turn off the player and disconnect from AC power if not used for a while.
- Do not disassemble the digital photo frame. There is a risk of electric shock and there are no user-serviceable parts inside. Disassembling the digital photo frame will void its warranty.

2.2 Cleaning the LCD Screen

- Treat the screen gently and carefully. The screen of the digital photo frame has a glass component that can be damaged or broken when impacted.
- Use a soft, non-abrasive lint-free cloth such as microfiber camera lens cloth to gently wipe the LCD screen if fingerprints or dust accumulate on the LCD screen. If necessary, use a cleaning solution that's safe for coated camera photo lens cleaning. Spray the cleaning solution onto the cleaning cloth. NEVER SPRAY CLEANING SOLUTION DIRECTLY ONTO THE LCD SCREEN.

2.3 FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

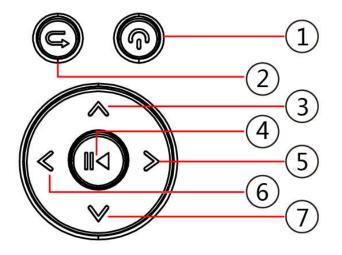
- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING:

Please power off the unit before inserting or removing a memory card or USB drive. Do not put the unit near water or a high-moisture environment to prevent the risk of electric shock.

3 Connections and Buttons

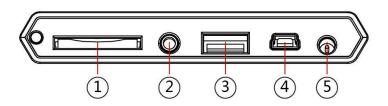
3.1 Buttons



- 1. Power On/Off
- 2. Return
- 3. Up/Previous
- 4. Play/Pause/OK
- 5. Right /Volume+
- 6. Left/Volume-
- 7. Down/Next

Note: The up and down buttons are named in accordance of their function when the user is looking at the front of the photo frame. Thus, pressing the "Up" button will move the cursor up and the "Down" button will move the cursor down.

3.2 Connections



- 1. SD Card Reader
- 2. Headphone Output
- 3. USB 2.0 Port
- 4. Mini USB Port (Optional)
- 5. DC Power Input

Note: Only use the AC adapter that is provided with the digital photo frame. Using a different AC adapter may damage the unit. The Mini USB port is optional and may not be present.

3.3 Remote Control



#	Key	Function
1	Power	Turn the photo frame on or off
2	Return	Go back to the previous step or screen
3	Up	Move cursor up, highlight previous item
4	Down	Move cursor down, highlight next item
5	Left	Move cursor left. Additional functionality for photo, music, and
		video playback. See subsequent sections of this manual.
6	Right	Move cursor right. Additional functionality for photo, music,
		and video playback. See subsequent sections of this manual.
7	OK/Play/Pause	Confirm selection. Play or pause photo slideshow, music, or
		video playback
8	Volume-	Decrease the volume during music or video playback
9	Volume+	Increase the volume during music or video playback
10	Slideshow	Start a slideshow with background music (background music
		must be enabled in the settings menu)
11	Home	Go to the home screen main menu

4 Getting Started

4.1 Initial Setup

Find a flat and stable surface to place the photo frame. Plug the AC adapter into a standard 110V AC or 240V AC electrical outlet and connect it to the DC Power Input on the photo frame. The photo frame should automatically turn on and display the main menu.

- Carefully remove the protective film covering the LCD.
- Remove the plastic battery insulator from the battery compartment and make sure the remote control has a battery inside.

Your digital photo frame is now ready for use.

4.2 Basic Usage

The photo frame is very easy to use. It is pre-configured from the factory with default settings that are already optimized for most users. Simply copy your favorite photos onto an SD card or USB drive using a computer. Insert the SD card or USB drive into the photo frame, turn the photo frame on, and the photos will automatically begin displaying.

The factory default setting for displaying photos is to crop the image to fit the screen and in random order with a 15-second interval. Please refer to the settings section for information on how to change these and other settings.

5 Operating Instructions

After turning on the photo frame, the main menu will display after a few seconds. If there is a flash memory card or USB flash drive inserted into the photo frame, a slideshow will automatically begin plain. To get back to the main menu, press the "Home" button on the remote control, or press and hold the "Return" button on the back of the photo frame.



The main menu contains icons for

Photo, Music, Video, Browser, Calendar, and Setting. These provide the following functionality:

Menu Item	Description
Photo	Start viewing photo slideshow, or browse photo thumbnails
Music	Browse and play music files
Video	Browse and play video files
Browser	Browse folders on the SD card or USB drive. All compatible
	photos, music, and video files will be listed together.
Calendar	Display calendar and clock. A small slideshow window will also be
	shown.
Setting	Adjust photo frame settings.

5.1 Flash Memory Cards and USB Flash Drives

The photo frame does not have any internal storage and must be used with a SD card or USB drive. When more than one storage device is inserted into the digital photo

frame, it is necessary to select which storage device to display photo, music, or video files from. The photo frame will only read files from the selected storage device.

To switch between storage devices, press the "Return" button repeatedly until the storage selection screen is shown. Highlight the desired storage device and press the "OK/Play/Pause" button to select it.



5.2 Viewing Photos

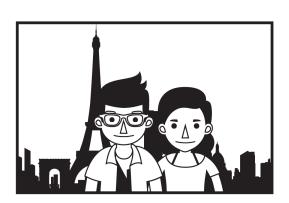
When a storage device loaded with photos is inserted, the digital photo frame will automatically start displaying a photo slideshow. The user can also manually start a slideshow using the "Photo" icon from the main menu, or by pressing the "Slideshow" button on the remote control. If there are MP3 music files on the storage device, they will be played as background music.



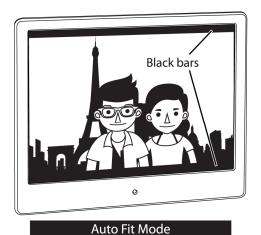
5.2.1 Photo Display Ratio

The photo frame provides three photo

display ratios of Auto Fit, Optimal, and Full Screen. For instructions on how to change the display ratio, see **Section 6.1**. Following are visual illustrations of the effects of each display ratio on photos with Landscape and Portrait orientation.



Original Photo - Landscape



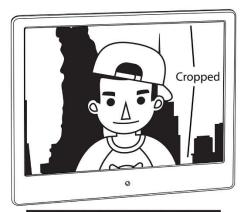
Optimal Mode



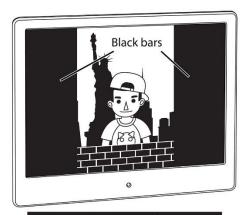
Full Screen Mode



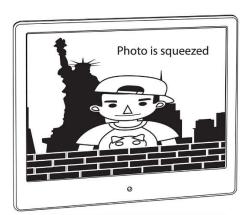
Original Photo - Portrait



Optimal Mode (Default)



Auto Fit Mode



Full Screen Mode

Display Mode

Description

Auto Fit

Photos are displayed without cropping. Black bars are added on the top/bottom or sides as needed. Works best if there are many portrait style photos in the slideshow.

Optimal

Photos that are wider or taller than the screen will be cropped to fit. Works well for most photos except for certain portrait photos where too much of the photo may be cut out.

Full Screen

Photos are stretched to fit the screen. Use this mode only if all photos are approximately the same aspect ratio as the screen.

5.2.2 Photo Slideshow Controls

When viewing photos, the following operations are available using the remote control or buttons on the back of the photo frame:

Remote Buttons	Description
Return	Stop the slideshow and view photo thumbnails
Up	Previous song, if background music is playing.
Down	Next song, if background music is playing.
Left	Go to previous photo. In random mode, go to a random photo.
Right	Go to the next photo. In random mode, go to a random photo.
OK/Play/Pause	Play or pause the photo slideshow
Volume-	Decrease background music volume
Volume+	Increase background music volume
Slideshow	First pause the slideshow, then long press the "Slideshow" button
	to open the context menu for additional slideshow settings.

dom photo.
dom photo.

5.3 Playing Music

To use the music player function, select the "Music" icon from the main menu. All supported music files found on the storage device will be displayed in one list. Only MP3 music files with an "mp3" file extension are supported. Scroll to the desired music file and press the "OK/Play/Pause" button to begin playing.

When playing music, the following operations are available using the



remote control or buttons on the back of the photo frame:

Remote Buttons	Description
Return	Stop the playback and return to the main menu
Up	Highlight previous song
Down	Highlight next song
Left	Rewind
Right	Fast Forward
OK/Play/Pause	Play or pause the highlighted song
Volume-	Decrease music volume
Volume+	Increase music volume
Slideshow	Long press the "Slideshow" button to open the context menu for
	additional music playback settings.

Rear Buttons	Description
OK/Play/Pause	Play or pause the highlighted song
Left/Volume-	Decrease music volume
Right/Volume+	Increase music volume
Up/Previous	Highlight previous song
Down/Next	Highlight next song
Menu/Return	Stop the playback and return to the main menu

5.4 Playing Videos

To use the video player function, select the "Video" icon from the main menu. All supported video files found on the storage device will be displayed in one list. Scroll to the desired video and press the "OK/Play/Pause" button to begin playing. The photo frame supports a variety of video types and formats. If your video file does not play, it's likely that it is not one of the supported formats below:

Video File	Resolution	Video Codec	Audio Codec
AVI	1280x720 Max	MPEG4, H.264	MP3, PCM
MKV	1280x720 Max	MPEG4, H.264	MP3, PCM
MOV	1280x720 Max	MPEG4, H.264	MP3
MP4	1280x720 Max	MPEG4, H.264	MP3

If you have a video file that does not play and would like help, please contact our support team at support@miccatron.com. We will provide troubleshooting help and tutorials on how to make the video playable.

When playing videos, the following operations are available using the remote control or buttons on the back of the photo frame:

Remote Buttons	Description
Return	Stop the playback and return to the video selection screen
Up/Down	No function
Left	Go to start of current video. Double-press to play previous video.
	Press and hold to rewind current video.
Right	Play next video. Press and hold to fast forward current video.
OK/Play/Pause	Play or pause the current video
Volume-	Decrease video volume
Volume+	Increase video volume
Slideshow	Long press the "Slideshow" button to open the context menu for
	additional video playback settings.

Rear Buttons	Description
OK/Play/Pause	Play or pause the current video
Left/Volume-	Decrease video volume
Right/Volume+	Increase video volume
Up/Previous	Go to start of current video. Double-press to play previous video.
	Press and hold to rewind current video.
Down/Next	Play next video. Press and hold to fast forward current video.
Menu/Return	Stop the playback and return to the main menu.

5.5 File Browsing

The "Browser" icon from the main menu lets users browse the contents of the selected storage device by navigating its folder directory structure. All compatible photo, music, and video file types will be displayed while incompatible file types are not displayed.

The file browser can be a convenient way to view specific groups of photos that have been organized together in a folder. When a slideshow is started from



within a folder, only photos in the same folder will be displayed as part of the slideshow.

5.6 Calendar

To view the calendar, select the "Calendar" icon from the main menu. Be sure to properly set the date and time in the settings menu so that the information displayed is correct. The photo frame will automatically begin playing a slideshow using photos found on the selected storage device.

In addition to basic calendar display, the photo frame also has auto power on/off and alarm functions. Please refer to **Section 6.2** for instructions on



how to configure the alarm, and **Section 6.5** for auto power on/off settings.

6 Detailed Settings

To access the setup menu of the photo frame select the "Setting" icon from the main menu. The Setup menu contains five sections, use the "Up" and "Down" buttons to highlight a configuration section and press "OK/Play/Pause" to select it. Within a configuration section, use the "Up" and "Down" buttons to select a settings item, and then use the "Left" and "Right" buttons to change the setting value. Press the "Return" button to exit the settings menu when finished.



6.1 Photo Setup

Icon Action - Sets the behavior when selecting the "Photo" icon from the main menu.

Setting	Description
Slideshow	Begins displaying slideshow with all photos found on the
	currently selected storage device.
Thumbnail	Displays thumbnail view of photo files and folders.

Background Music - Enable or disable background music when viewing photo slideshows.

Available Values: On, Off

Display Ratio - Adjust the way photos are displayed when they do not perfectly fit the photo frame screen.

Setting	Description
Optimal	Photos that are wider or taller than the screen will be cropped to
	fit. Works well for most photos except for certain portrait photos
	where too much of the photo may be cut out.
Auto Fit	Photos are displayed without cropping. Black bars are added on
	the top/bottom or sides as needed. Works best if there are many
	portrait style photos in the slideshow.
Full Screen	Photos are stretched to fit the screen. Use this mode only if all
	photos are approximately the same aspect ratio as the screen.

Slideshow Interval - Set the time interval between each photo in a slideshow.

Available Values: 3/5/15/30 Seconds, 1/5/15/30 Minutes, 1 Hour

Slideshow Repeat - Configure whether the slide show repeats continuously, or stop after playing once.

Available Values: Repeat, No Repeat

Slideshow Order - Change the photo playback sequence in a slideshow.

Setting	Description
Sequential	Photos will be displayed in alpha-numerical sequence based on
	file name.
Random	Photos will be displayed in random sequence.

Transition Effect - Set the transition effect between photos in a slideshow.

Available Values: Random (default), and a selection of various transition effects.

6.2 Calendar Setup

Set Date - Set the current date in the format of "[Year]-[Month]-[Day]". Highlight item and press "OK/Play/Pause" to begin. Use the "Up" and "Down" buttons to switch between fields, and the "Left", and "Right" buttons to change date field values. Press "OK/Play/Pause" when finished to save change.

Set Time Format – Select between 12-hour or 24-hour time format.

Available Values: 12-Hour, 24-Hour

Set Time - Set the current time in the format of "[Hour]:[Minute]". Highlight item and press "OK/Play/Pause" to begin. Use the "Up" and "Down" buttons to switch between fields, and the "Left", and "Right" buttons to change time field values. Press "OK/Play/Pause" when finished to save change.

Alarm Status - Enable or disable the alarm function

Available Settings: Enabled, Disabled

Alarm Time - Set the alarm time in the format of "[Hour]:[Minute]". Highlight item and press "OK/Play/Pause" to begin. Use the "Up" and "Down" buttons to switch between fields, and the "Left", and "Right" buttons to change time field values. Press "OK/Play/Pause" when finished to save change.

Alarm Schedule – Configure the days on which the alarm will be enabled.

Setting	Description
Once	Alarm is active only once.
Daily	Alarm is active every day.
Weekdays	Alarm is active Monday through Friday only
Weekend	Alarm is active on Saturday and Sunday only

6.3 Video Setup

Display Mode - Adjust the way videos are displayed when they do not perfectly fit the photo frame screen.

Setting	Description
Optimal	The video will be displayed in the original ratio, scaled to fit the
	screen. Black bars will be added to the top and bottom.
Full Screen	The video will be stretched or squeezed to fit the full screen.

Playback Mode - Change the video playback sequence.

Setting	Description
Repeat All	Videos will be looped continuously in alpha-numerical sequence
	based on file name.
Random	Videos will be played once in random sequence.
Random Repeat	Videos will be played continuously in random sequence.
Sequential	Videos will be played once in alpha-numerical sequence based
	on file name.
Repeat One	A single video will played continuously.

6.4 Music Setup

Playback Mode - Change the music playback sequence.

Setting	Description
Repeat All	Music files will be looped continuously in alpha-numerical
	sequence based on file name.
Random	Music files will be played once in random sequence.
Random Repeat	Music files will be played continuously in random sequence.
Sequential	Music files will be played once in alpha-numerical sequence
	based on file name.
Repeat One	A single Music files will played continuously.

Show Spectrum – Enable or disable spectrum display during music playback.

Available Values: Enable, Disable

6.5 System Setup

Language - Set the operating language.

Available Values: English, French, Italian, German, Spanish

Start Up Mode - Set the operation mode of the photo frame when it is turned on.

Setting	Description
Photo & Music	Play a photo slideshow with background music
Photos	Play a photo slideshow without background music
Music	Play music files.
Videos	Play video files.
Calendar	Display the calendar with inset slideshow
Off	Display the main menu

Brightness, Contrast, Saturation, Hue - Configure the display parameters for the LCD screen. The default values are optimal for most conditions.

Auto Power On - Enable or disable the automatic power on functionality.

Available Settings: Enable, Disable

Auto On Time - Set the auto power on time in the format of "[Hour]:[Minute]". Highlight item and press "OK/Play/Pause" to begin. Use the "Up" and "Down" buttons to switch between fields, and the "Left", and "Right" buttons to change time field values. Press "OK/Play/Pause" when finished to save change.

Auto Power Off - Enable or disable the automatic power off functionality.

Available Settings: Enable, Disable

Auto Off Time - Set the auto power off time in the format of "[Hour]:[Minute]". Highlight item and press "OK/Play/Pause" to begin. Use the "Up" and "Down" buttons to switch between fields, and the "Left", and "Right" buttons to change time field values. Press "OK/Play/Pause" when finished to save change.

Auto-Power Frequency – Configure the days on which the auto power on/off feature will be enabled.

Setting	Description
Once	Alarm is active only once.
Daily	Alarm is active every day.
Weekdays	Alarm is active Monday through Friday only
Weekend	Alarm is active on Saturday and Sunday only

Sleep – Set the sleep timer. The photo frame will automatically power off after being on for the configured amount of time.

Available Settings: Off, 1/2/4/8/12 Hours

No Activity Standby - Set the timer where the photo frame will automatically power off if no media files are being played and no user input is detected for the configured amount of time.

Available Settings: Off, 15 Minutes

Reset Settings - Reset all settings back to factory defaults.

Version - Display the current firmware version. This information is important for determining if a firmware update is available.

System Upgrade - Upgrade the photo frame firmware. If newer firmware is available, it can be downloaded from our support website www.miccatron.com. Detailed instructions for its installation will be provided along with the firmware update.

7 Troubleshooting Guide

Cannot Read a SD Card or USB Drive

The photo frame supports SD and USB flash drives up to 32GB in size, using FAT or FAT32 file system. Check to be sure that the SD card or USB drive meets these requirements.

If the photo frame reports errors reading a storage device, it may be necessary to reformat it using a computer. Be sure to copy photos off the storage device before reformatting, as reformatting will permanently erase all contents. Select FAT32 as the file system when reformatting the drive.

Photos are Displayed Sideways

The photo frame displays photos based on the EXIF rotation flag. If no rotation flag is set, the photo frame will display the photo without any rotation applied.

Depending on how the photo was taken, the camera may or may not have placed a rotation flag to indicate the correct display rotation. If a photo is displayed with incorrect rotation, this means the rotation flag for the photo is not correctly set. To fix this, please use a computer to permanently rotate the photo. All modern operating systems including Windows, MacOS, and Linux have easy to use utilities for permanently rotating photos.

While the photo frame has a "rotate" feature, it is only used for momentary adjustment while displaying the photo; the rotation change will not be saved.

Cannot Play a Video File

The photo frame is compatible with the following video file types:

Video File	Resolution	Video Codec	Audio Codec
AVI	1280x720 Max	MPEG4, H.264	MP3, PCM
MKV	1280x720 Max	MPEG4, H.264	MP3, PCM
MOV	1280x720 Max	MPEG4, H.264	MP3
MP4	1280x720 Max	MPEG4, H.264	MP3

If a video does not play, it most likely does not satisfy the above limitations. If you have a video file that does not play and would like help, please contact our support team at support@miccatron.com. We will provide troubleshooting help and tutorials on how to make the video playable.

8 Specifications

Adapter: Input 100-240V 50/60Hz AC, Output 5V/1.5A DC

Card Reader: SD Up to 32GB USB: USB flash drives up to 32GB

Photo Format: JPG

Music Format: MP3 up to 320kbps

Video Format: MKV, MP4, MOV, and AVI with MPEG4 or H.264/AVC video, up to 720p

LCD Screen:

	M709A	M803A	M973A
Size	7-Inch TFT	8-Inch IPS	9.7-Inch IPS
Resolution	800x480	1024x768	1024x768
Aspect Ratio	16:9	4:3	4:3
Brightness		200-300cd/m2	
Contrast		400-500:1	
Response Time		20ms	

9 Micca Limited Warranty

Except where indicated differently, the following standard limited warranty is valid for Micca Branded products. Where differences and contradictions occur, warranty terms in product-specific description, listing, invoices, and receipts, those terms shall take precedence over the following standard terms.

The manufacturer warrants all Micca Branded products against defects in materials and workmanship for a limited period of 1 year, unless otherwise superseded by product-specific description, listing, invoices, or receipts. During the limited period, the manufacturer will repair or replace defective products at the manufacturer's sole option. Customer must pay for all return shipping costs during the limited period. The limited warranty period starts at the date of original purchase. This limited warranty applies only to purchases from authorized Micca retailers. This limited warranty is extended only to the original purchaser and is valid only to consumers in the same country as the authorized retailer from which the original purchase was made.

This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, fire, flood, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than the manufacturer, or damage that is attributable to Acts of God. It does not cover costs of transportation to the manufacturer or damage in transit. Customers should return defective products, freight prepaid and insured, to the manufacturer or authorized warranty service center only after receiving a Return Merchandise Authorization (RMA). Customers are required to provide a copy of the original sales invoice from an authorized retailer when making a claim against this limited warranty.

Within the term of this warranty, defective products send to the manufacturer or authorized warranty center for warranty service will be assessed a fee to cover shipping and handling of the repaired or replacement product back to the customer. The fee amount depends on the product and covers labor/handling, packaging materials, and standard shipping.

Repair or replacement under the terms of this warranty does not extend the term of this warranty. Should a product prove to be defective in workmanship or material, the customer's sole remedies will be repair or replacement as provided under the terms of this warranty. If the defective product is discontinued the manufacturer may replace the product with an equivalent or superior product at its option. The limit of liability under this warranty is the original purchase price of the product. Any cost of re-installation is the sole responsibility of the customer and that cost shall not be the responsibility of the manufacturer. Under no circumstances shall the manufacturer or its retailers be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.

 a manual is balioused to	n he accurate and	reliable but Micca	ı assumes no resp	onsibility for its us	e nor