MPLAY-HD Mini Digital Media Player
Owner's Manual

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

V190815

V190815

1 Introduction

1.1 Preface

Thank you very much for purchasing this media player. We hope you will enjoy using it as a great home entertainment device. This player has the following functionality:

1.1.1 A/V Output

- HDMI for high-definition video and digital audio

- Composite video and stereo audio for analog A/V connection

- Adjustable video output resolution (NTSC, PAL, 480p, 576p, 720p, 1080i, 1080p)

- Adjustable audio output format (Analog stereo, PCM, RAW)

1.1.2 Multimedia Playback

- Video codecs: H.264/AVC, MPEG1/2/4, VC-1, up to 1920x1080p, 30fps, 40Mbps

- Video file types: MKV, AVI, MOV, MP4, MPG, VOB, DVD/BD-ISO, M2TS, TS

- Subtitle formats: SRT, SMI, SSA,SUB, IDX+SUB (Internal Only)

- Audio formats: MP3, OGG, WAV, FLAC, APE

- Photo formats: JPG, GIF, BMP, PNG, TIF

1.1.3 Storage Support

- USB 2.0 HOST ports (2) for connecting USB storage devices

- Memory card reader supports micro SD memory cards up to 128GB (FAT/FAT32, exFAT, NTFS)

- Supports USB drives using FAT/FAT32, exFAT, NTFS, HFS+ (Journaling Disabled), and EXT3 file system up to 4TB

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.

1.2 Precautions

This player's design has your safety in mind. In order to safely and effectively use this player, please read the following before usage.

1.2.1 Usage Cautions

Users should not modify this player. If a commercial hard disk drive is being used, the environmental temperature should be between 40 to 95 degrees Fahrenheit.

The player's power supply nominal voltage is DC 5V/2A. When connecting the power adapter cable, make sure it is not damaged or subject to pressure. Never connect the adapter to the player in a humid or dusty area. Do not replace the adapter's wire or connector.

1.2.2 FCC Statement

1. 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.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
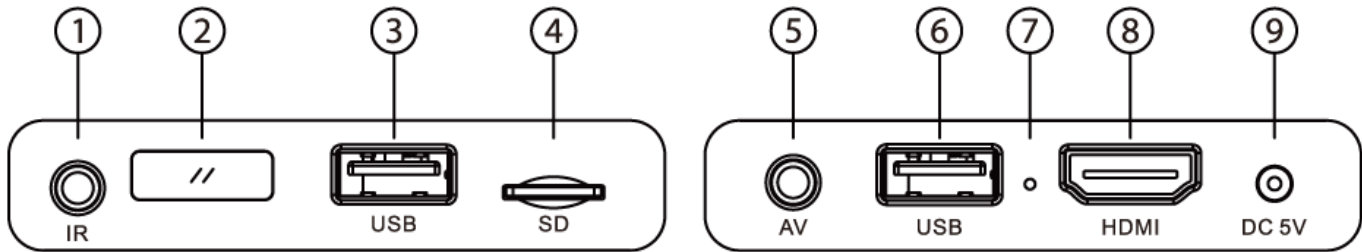
- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

2 Player and Remote Overview

2.1 Connections and Ports

	Name	Description
1	IR	Input jack for optional external infrared remote control sensor.
2	IR Window	Infrared remote control sensor window.
3	USB 1	USB 2.0 host jack for connecting USB storage drives.
4	SD	Memory card reader for micro SD/SDHC memory cards.
5	AV	Composite video and analog Left/Right audio output to a TV or home theater with analog A/V input.
6	USB 2	USB 2.0 host jacks for connecting USB storage drives.
7	UPGRADE	Pin-hole button for forced firmware update. See *'6.2 USB Upgrade'* for more information.
8	HDMI	Provides digital audio/video to a TV or home theater with HDMI input.
9	DC 5V	DC power input, 5V/2A nominal. Only use the AC adapter provided with the player.

NOTE: The IR input jack is used in conjunction with an optional external infrared remote control sensor (not included). This allows the player to be hidden behind other equipment, with the external remote control sensor installed in clear view to receive signals from the remote control. Usage of the external remote control sensor is optional as the player has a built-in remote control sensor.

2.2 Remote Control

All player functions can be controlled by using the remote control. See the following for details on the function of each button.

1. POWER	2. HOME
3. VIDEO	4. PHOTO
5. MUSIC	6. SETUP
7. GOTO	8. REPEAT
9. INFO	10. ZOOM
11. MENU	12. RETURN
13. DIRECTIONAL KEYS	14. OK/ENTER
15. SUBTITLE	16. AUDIO
17. REWIND	18. PLAY/PAUSE
19. FAST FORWARD	20. PREVIOUS
21. STOP	22. NEXT
23. AV	24. HDMI
25. FRAME STEP	26. MUTE
27. VOLUME-	28. VOLUME+

Button	Description
POWER	Power on/off the player
HOME	Return to the main menu
VIDEO	Show only video files when browsing for files
PHOTO	Show only photo files when browsing for files
MUSIC	Show only music files when browsing for files
SETUP	Enter the setup menu to change player settings
GOTO	Jump to a specific time in a video during playback
REPEAT	Set repeat option for the current playback
INFO	Display information about the currently playing file
ZOOM	Zoom in when viewing photos or videos
MENU	Access the menu for the current function. Menu is context sensitive and will be different depending on function.

RETURN	Press to return to the previous screen when navigation menus. Press to exit the current folder when browsing files.
DIRECTIONAL KEYS	Navigate onscreen menu items to highlight items
OK/ENTER	Select or confirm the highlighted item
SUBTITLE	Access the subtitle menu when playing videos
AUDIO	Change audio track when playing videos
REWIND and FAST FORWARD	Press to rewind or fast forward the current playback. Press repeatedly to change rewind or fast forward speed.
PLAY/PAUSE	Begin or pause playback
STOP	Stop playback
PREVIOUS and NEXT	Press to go to previous/next page in file browser. Press to go to previous/next file during video playback.
AV	Switch to AV output mode, default is NTSC
HDMI	Switch to HDMI output mode, the player will automatically detect and use the highest supported resolution for the connected TV.
FRAME STEP	Activate frame-by-frame playback when playing videos. Each button press goes to the next frame. Press PLAY/PAUSE to resume normal playback.
MUTE	Mute audio output; press again to unmute.
VOL+/VOL-	Change the output volume. (Hint: Set volume to max and use the TV or AV receiver to control playback volume).

3   Connections and Initial Setup

3.1 Basic Connections

3.1.1   Connecting power
Only use the AC adapter that is supplied with the player. Connect the barrel connector of the AC adapter to the player's DC IN jack. The player will power on automatically whenever power is connected. To turn the player off, use the **POWER** button on the remote control.

3.1.2   Connecting a USB Storage Device
Storage devices such as USB hard drives or flash drives can be connected to the player for playback of media files. Plug in the USB device to one of the USB ports on the player. After about 5-10 seconds, the USB drive will be detected and accessible by the player.

3.2 Audio and Video Connections

The player can be connected to a TV/HDTV or home theater system using HDMI or composite AV cable. For best results, always use the best method available for connection. Therefore, use the HDMI connection if available, and use the AV connection only if HDMI is not available.

3.2.1   HDMI Connection
HDMI provides the best possible video and audio connection. Use HDMI whenever available.

1) Plug one end of a HDMI cable (not included) to the player's HDMI output jack and the other end of the HDMI cable to a HDMI input jack on the TV or home theater receiver.

2) Configure the player's video output according to *'6.1.3 TV System'* of this manual.

3) Configure the player's audio output according to *'6.1.5 HDMI Audio Output'* of this manual.

4) Consult the TV or home theater receiver's manual for configuring its HDMI inputs.
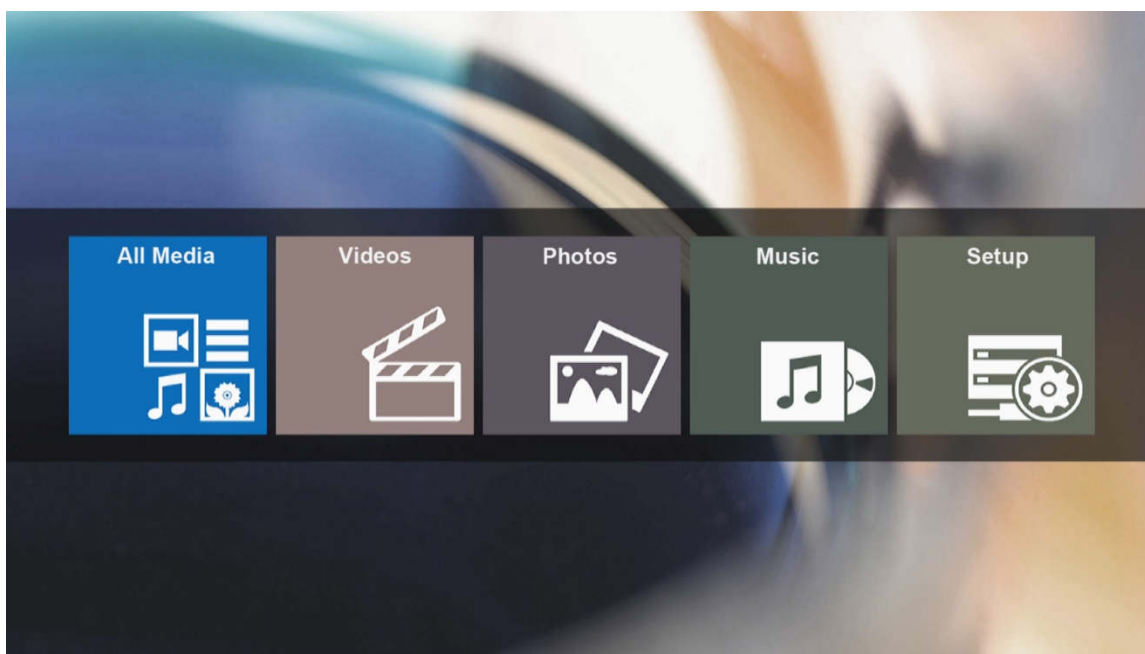
3.2.2 Composite Video and Analog Audio Connection

When using a TV or home theater system that only has composite video input, the player's composite video and analog L/R audio output can be used.

1) Plug the 3.5mm connector of the red/white/yellow AV cable to the player's AV output jack and the other end of the red/white/yellow AV cable to an available AV input on the TV.

2) Configure the player's video output according to *'6.1.3 TV System'* of this manual.

3) Consult the TV or home theater receiver's manual for configuring its AV inputs.

3.3 Initial Setup

When turning on the player for the first time, it will prompt the user to select the language. After choosing the desired system language, the player will display the main menu.
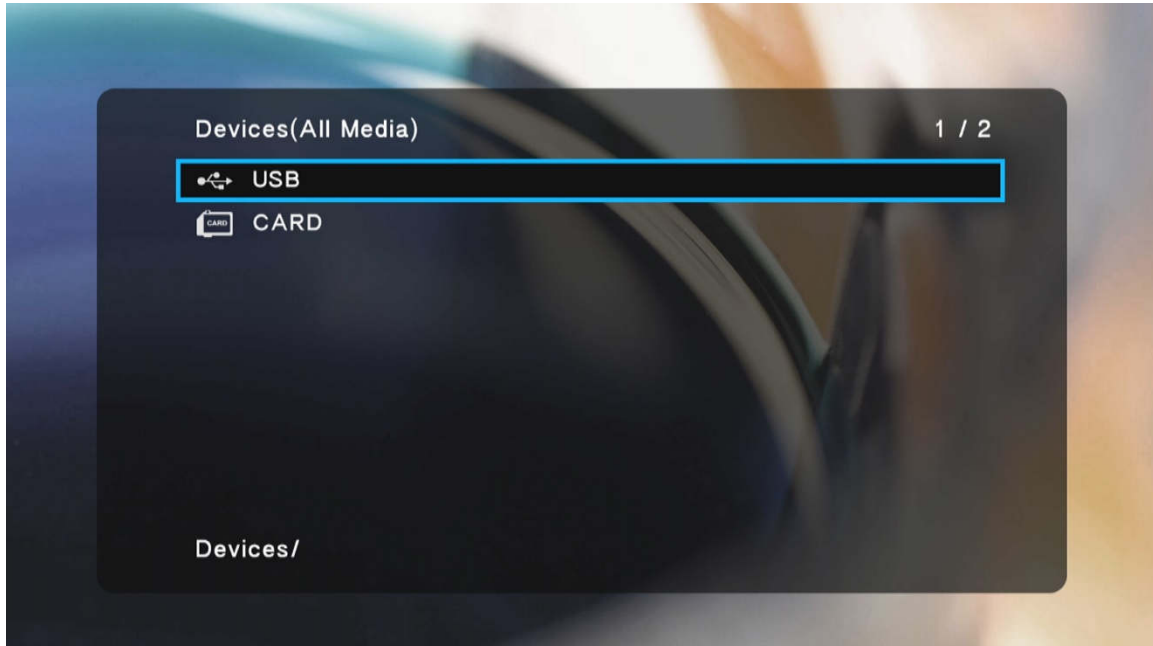

Menu Item	Description
All Media	Browse and play all supported media types
Videos	Browse and play video files only
Photos	Browse and view photos only
Music	Browse and play music files only
Setup	Access the setup menu to change player settings

4 Browsing Media Files

After selecting the Videos, Photos, Music, or All icon from the main menu, the file browser interface is displayed for finding media files on USB drives and memory cards. Media files will be listed in their original folder structure.
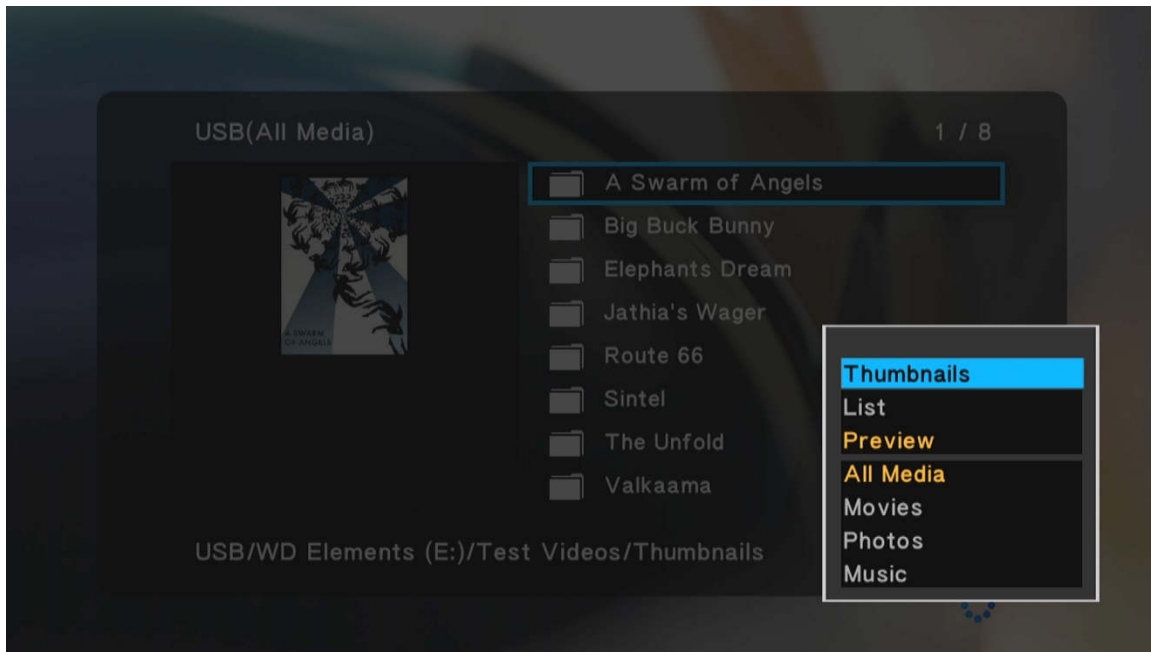

Menu Item	Description
USB	Browse media files on an external USB drive attached to the player.
Card	Browse media files on a micro SD/SDHC memory card.

After selecting a storage device, media files will be displayed in the same folder structure as they are stored. Use the directional **LEFT/RIGHT** and **UP/DOWN** buttons on the remote control to select folders or files and press **OK/ENTER** to enter a folder. When there is a large number of files or folders listed, use the **PREV/NEXT** buttons to scroll through files/folders one page at a time. To exit from a folder, press the **RETURN** button. To play a media file, highlight it and press the **OK/ENTER** button.

If the highlighted folder is a BD/DVD folder, pressing **OK/ENTER** will begin playing the video.
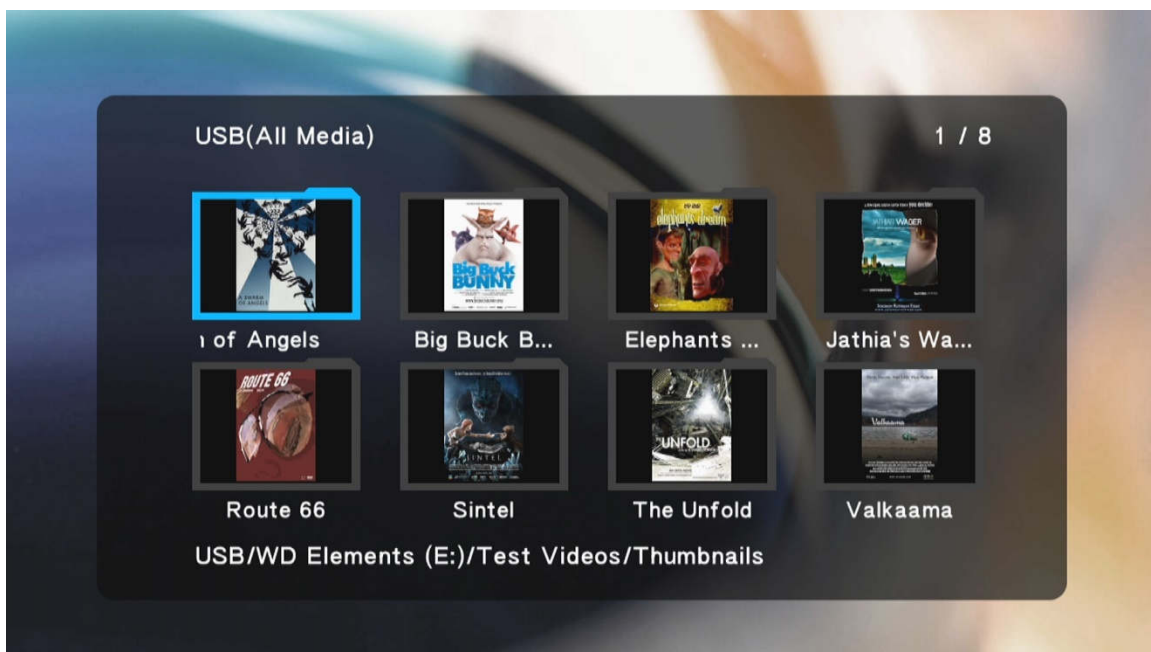
4.1 Media File Display Modes

To make it easier and more intuitive to browse media files, three different media display modes are available: Thumbnail, List, and Preview. To change the display mode, press the **MENU** button on the remote to bring up the options menu and select the desired display mode
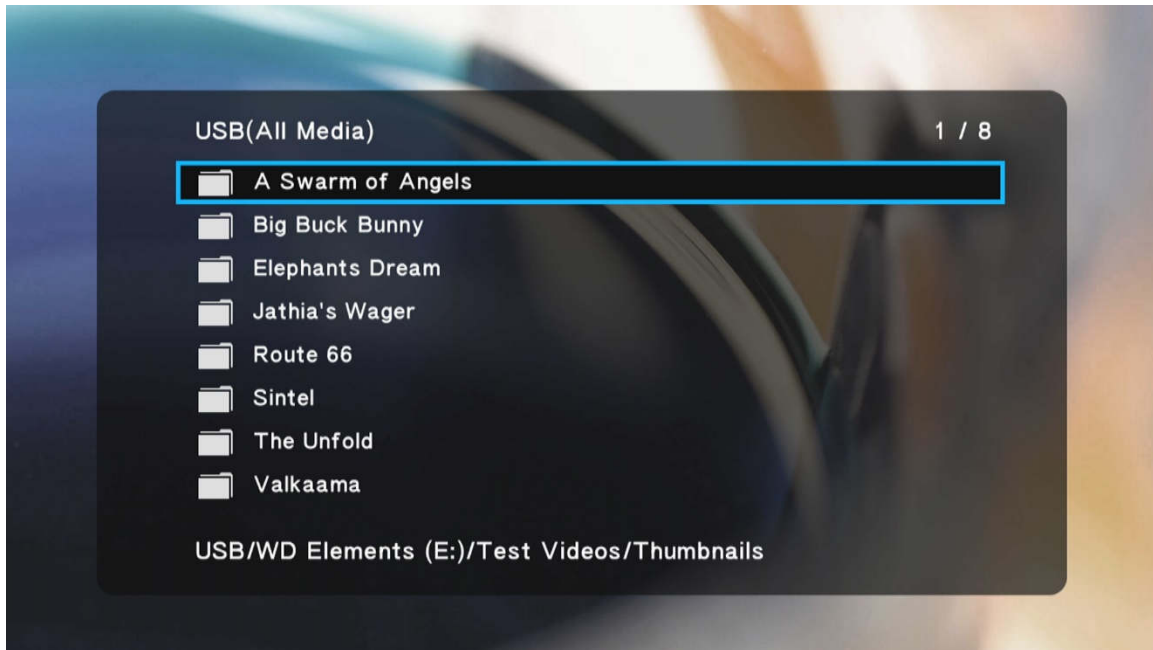

4.1.1 Thumbnail View

Thumbnail view displays folders and media files as thumbnails on the screen with a partial file name underneath. This is useful for browsing photos and movies with associated cover art. The player will use the first JPG image file found in each folder as its thumbnail.
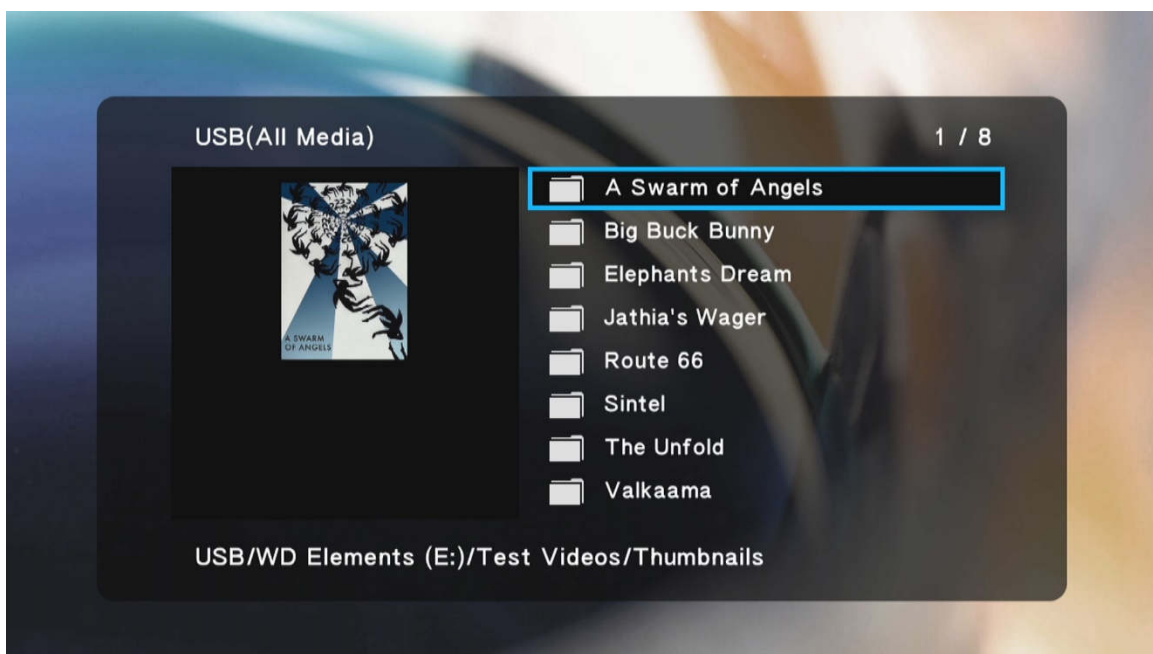
4.1.2 List View

The list view displays folder and media files as a simple list with the full file name displayed. This view loads faster and is suitable for navigating large collections of folders and files.

4.1.3 Preview

In preview mode, folders and media files are displayed as a list on the right side of the screen and a preview window on the left side. When a folder or media file is highlighted in the list, the preview window displays a thumbnail or video preview. The player will use the first JPG image file found in each folder as its thumbnail.

5 Playing Movies, Music, and Viewing Photos

5.1 Playing Movies

5.1.1 Video Playback Controls

To play a video file, highlight it and press the **OK/ENTER** button. If the highlighted folder is a BD/DVD folder, pressing **OK/ENTER** will begin playing the video. During video playback, the following remote control commands are available:
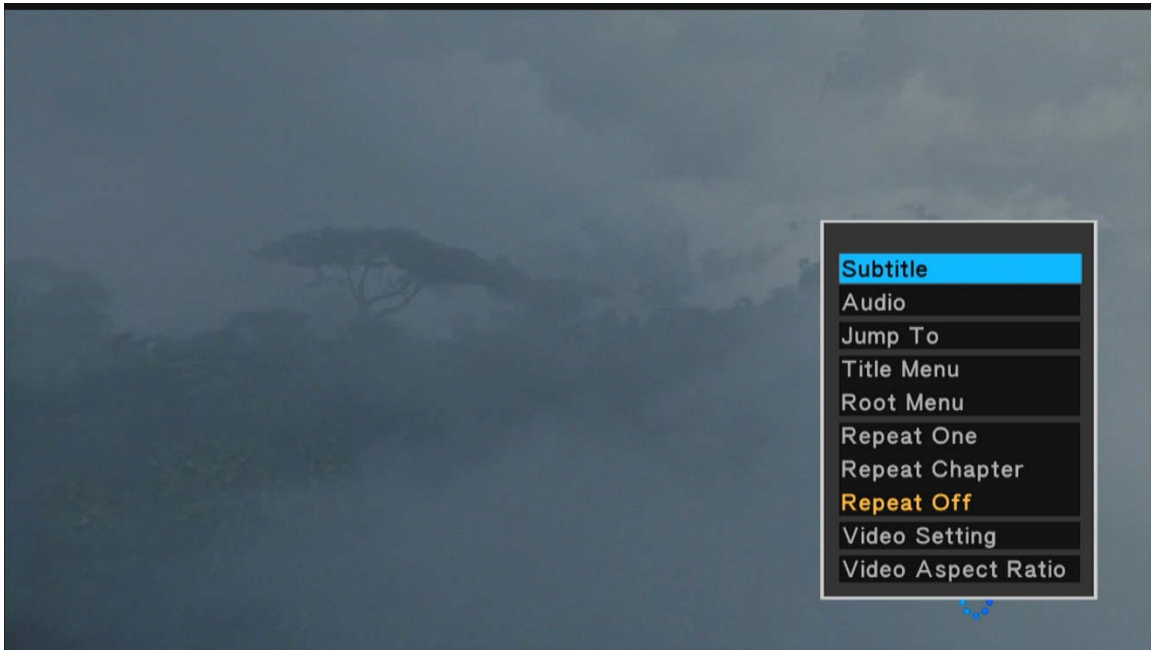
Button	Description
PLAY/PAUSE	Play or pause the current video
STOP	Stop playback
LEFT & RIGHT	Jump forward by 30 seconds or backward by 10 seconds
FAST FORWARD REWIND	Fast forward or rewind the current playback. Press repeatedly to change fast forward or rewind speed. Available speeds are 1.5x, 2x, 4x, 8x, 16x, and 32x. Fast forward and rewind depends on video recording format and may not be available for all videos.
PREV/NEXT	Go to the previous/next video.
FRAME STEP	Activate frame-by-frame playback when playing videos. Each button press goes to the next frame. Press PLAY/PAUSE to resume normal playback.
MENU	Display settings when viewing video
RETURN	Stop playback
SUBTITLE	Access the subtitle menu. No effect if subtitles are not detected.
AUDIO	Change audio tracks for the current video
GOTO	Display the jump-to menu. Enter a time code or chapter to jump to and press OK/ENTER to confirm.
REPEAT	Set repeat option when viewing videos: Repeat One, Repeat All, and Repeat Off.
INFO	Display information about the currently playing video
ZOOM	Zoom in on the current video. Available zoom levels are 1x, 2x, 3x, 4x, 8x. During zoom, using the directional arrows to pan around the image.
MUTE	Mute audio output; press again to unmute.
VOL+/VOL-	Change the output volume. (Hint: Set volume to max and use the TV or AV receiver to control volume). Volume control may not have any effect if the player sound output is RAW.

5.1.2 Auto Play

When the Auto Play feature in the settings menu has been set to "Movies", the player can automatically begin playing video files from attached USB drives or SD cards. First the player will look for the last video it was playing before being powered off and resume playing that file. If it cannot find the file, it will look in the root folder and begin playing any compatible files found there. This feature is useful for playing video files without having to manually browse and start playback.

5.1.3 Video Settings Menu

During video playback, additional controls are available through the movie settings menu. To access the settings menu, press the **MENU** button while a video is playing.

The available settings have the following functionality:

Setting	Description
Subtitle	Access the subtitle settings menu. See *'5.1.4 Subtitles'* for more information.
Audio	Display the list of available audio tracks for the current video and select the desired audio track for playback.
Jump To	Display the jump-to time entry menu. Enter a time mark or title/chapter to jump to.
Title Menu	Access the DVD title menu. This setting is only available when playing a DVD-ISO or DVD Folder video.
Root Menu	Access the DVD root menu. This setting is only available when playing a DVD-ISO or DVD Folder video.
Repeat	Select to set repeat option when viewing videos: Repeat One, Repeat All, and Repeat Off. Repeat selections will be different when viewing BD/DVD ISO or BD/DVD Folder videos and depend on file details.
Video Settings	Change video settings for Brightness, Contrast, Hue, and Saturation.
Video Aspect Ratio	Choose the aspect ratio for the current video.

5.1.4 Subtitles

When subtitles are available for the currently playing video, pressing the **SUBTITLE** button on the remote control will bring up the subtitle selection menu. The player supports subtitle tracks embedded in the video file, or external subtitle files. For external subtitles, the subtitle file should be placed in the same folder as the video and have the same name as the video. Different language subtitle files can be differentiated in the manner as illustrated below:

Video file name: sita_sings_the_blues.mkv
English subtitles: sita_sings_the_blues.eng.srt
Spanish subtitles: sita_sings_the_blues.esp.srt

If a video has both embedded and external subtitles, all subtitles will be available together. The supported sub title formats and features are as follows:

Subtitle	Description
External	SRT, SMI, SSA/ASS. Plain text only for all subtitle types.
Internal	DVD (IDX+SUB), BD (PGS), SRT

After pressing the **SUBTITLE** button on the remote control the subtitle settings menu will be displayed with available subtitle options:

The subtitle menu offers the following settings:

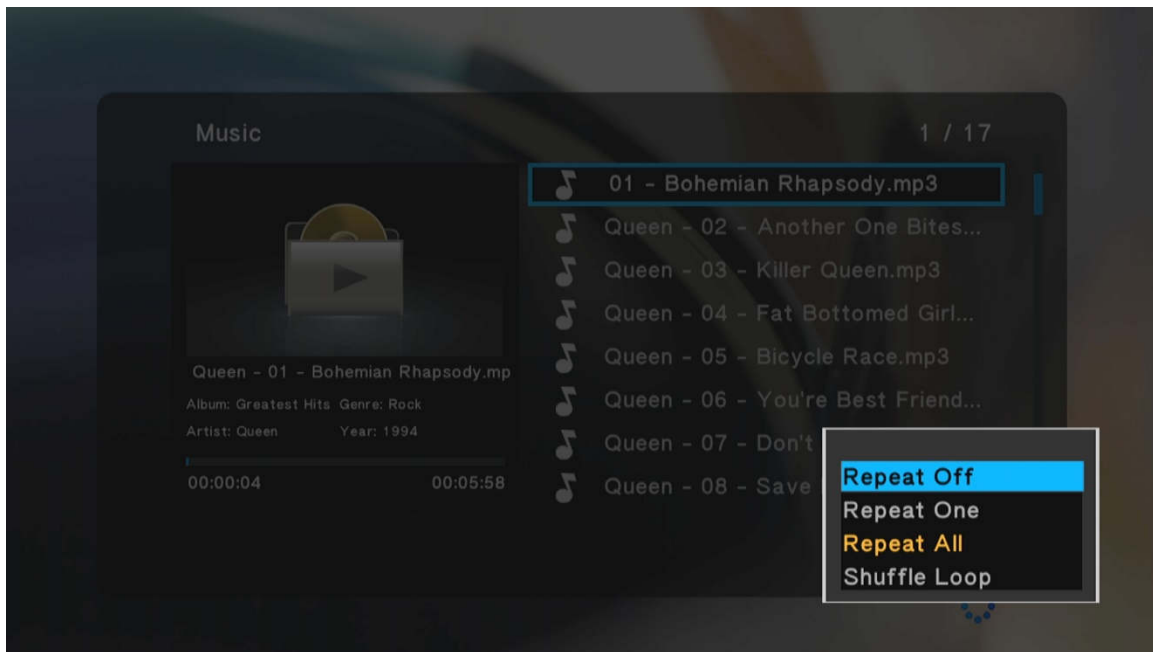| Setting	Description
Subtitle Track	Displays a list of available subtitles for the current video. The current subtitle is highlighted in yellow. Select Off to turn subtitle off.
Position	Changes how far the subtitle is from the bottom of the screen.
Size	Changes the size of the subtitle text.
Time Sync	Some subtitles are not perfectly in sync with the video, which happens mostly with external subtitle files. This setting can be used to adjust the time sync between the video and the subtitle display.
Text Encoding	Most subtitles will display correctly with Unicode (UTF8), but if a subtitle does not display correctly, try one of the other encoding settings.
Color	The color of the subtitle display can be changed for better visibility.

Subtitle text appearance settings are not available when playing image-based subtitles such as DVD IDX+SUB and BD PGS.

5.2 Playing Music

During music playback, the following remote control commands are available:

Button	Description
PLAY/PAUSE	Press to begin playback, press again to pause.
STOP	Press to stop playback.
LEFT & RIGHT	Jump forward by 30 seconds or backward by 10 seconds
FAST FORWARD REWIND	Press to fast forward or rewind the current playback. Press repeatedly to change fast forward or rewind speed.
PREV/NEXT	Go to the previous/next song.

Press the **MENU** button while playing a song to access repeat/shuffle playback options.

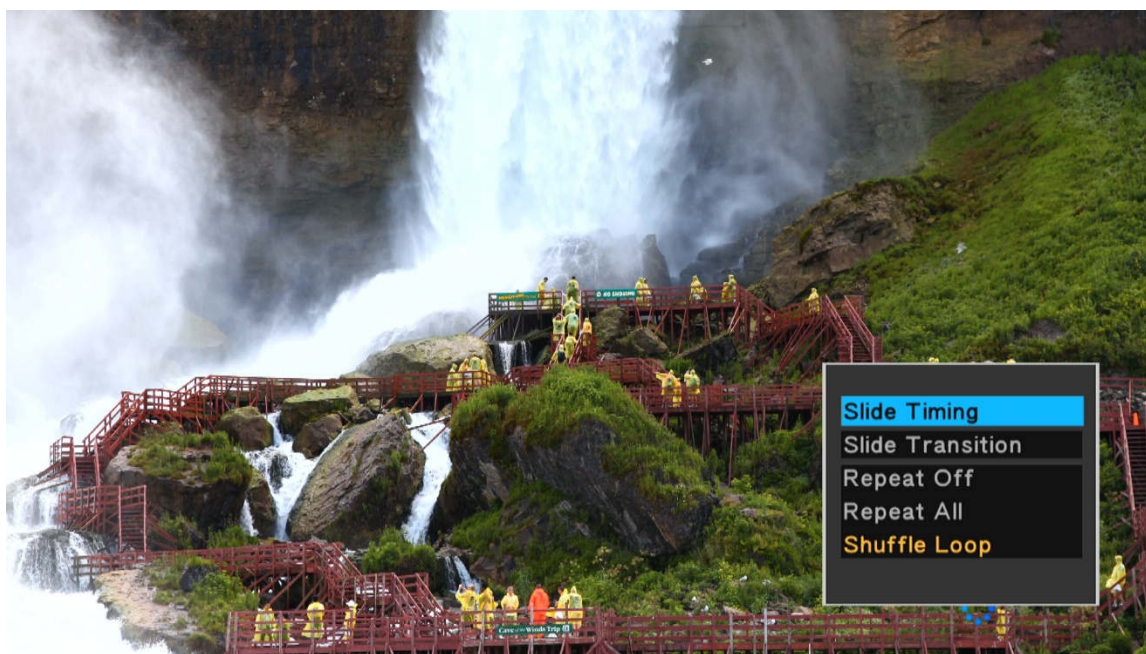The music settings menu offers the following settings:

Setting	Description
Repeat Off	Select to turn repeat off
Repeat One	Select to repeat only the current song
Repeat All	Select to repeat all songs in the current folder
Shuffle Loop	Select to shuffle play all songs in the current folder

5.3 Viewing Photos

While viewing photos, the following remote control commands are available:

Button	Description
PLAY/PAUSE	Press to view photo full screen If Slide Show Timing is not set to Off, slideshow will start
STOP	Press to stop viewing photo full screen
LEFT/RIGHT	Press to go to the previous or next photo.
UP/DOWN	Press to rotate photo clockwise or counterclockwise. Rotation effect is for display only and is not saved. Press **PLAY/PAUSE** to resume slideshow.
ZOOM	Zoom in on the current photo. Available zoom levels are 1x, 2x, 3x, 4x, 8x. During zoom, using the directional arrows to pan around the image.
INFO	Press to display information about the current photo.

The photo settings menu provides on-screen access to additional photo viewing options. To use the photo settings menu, press the **MENU** button while viewing a photo full screen.

The photo settings menu offers the following settings:

Setting	Description
Slide Timing	Sets the time delay between photos in a slideshow
Slide Transition	Sets the transition effect between photos in a slideshow
Repeat Off	Select to set repeat to off
Repeat All	Select to repeat all photos in the current folder
Shuffle Loop	Select to shuffle view all photos in the current folder

6 Settings

The Setup menu allows users to personalize and configure usage preferences for the player. To go into the setup menu, select the Setup icon on the main menu, or press the **SETUP** button on the remote control.

Use the directional **LEFT**/**RIGHT** and **UP**/**DOWN** buttons on the remote control to select options and press **OK**/**ENTER** to confirm. To cancel a setting change, press the **RETURN** button.

IMPORTANT: Settings are not saved until you exit from the Setup menu. If the player is turned off before exiting the Setup menu, changes will not be saved.

6.1 System Settings

6.1.1 Language
The player's user interface and menu system can be presented in a variety of different language settings. Note that this setting does not affect the language of audio tracks or subtitles.

Available settings: *English, Spanish, Simplified/Traditional Chinese, French, German, Korean, Russian, Italian.*

6.1.2 Video Aspect Ratio
Aspect Ratio affects how the player will display content on the TV. It is very important to set the aspect ratio to match the TV, incorrect setting will result in distorted image output.

Setting	Description
Original	Available with HDMI connection. Videos will be played in their original aspect ratio. Videos that do not perfectly fit the screen will have black bars added to the sides or top/bottom of the image.
Stretch	Available with HDMI connection. Videos will be stretched to fill the

	screen.
Pan Scan 4:3	Available with AV connection. Use with 4:3 non-widescreen TVs. Widescreen videos will have the sides cut off, with the center of the image filling the 4:3 TV screen.
Letter Box 4:3	Available with AV connection. Use with 4:3 non-widescreen TVs. Widescreen videos will be displayed with black bars on the top and bottom of the image.
16:9	Available with AV connection. Choose this setting if the TV has a 16:9 aspect ratio.
16:10	Available with AV connection. Choose this setting if the TV has a 16:10 aspect ratio, such as certain computer monitors.

6.1.3 TV System

The player is able to output video in a wide range of video systems over HDMI or component video. Consult the TV/HDTV's manual for which video system it supports. For best results, configure the player's Video System setting to match the highest quality setting supported by the TV/HDTV. "Auto" is recommended when the player is connected using an HDMI cable.

Available settings: *AUTO / TSC / PAL / 480P / 576P / 720P 50HZ / 720P 60HZ / 1080I 50HZ / 1080I 60HZ / 1080P 50HZ / 1080P 60HZ*

6.1.4 1080P 24Hz

The player supports output of 1080P 24p at native timing without requiring 3:2 pull-down. This mode provides the best result for when viewing 24p movies.

Setting	Description
On	The player will output 24p video at 24Hz timing.
Off	The player will output all videos with 50/60Hz timing.

6.1.5 HDMI Audio Output

HDMI Output sets the format of the digital audio carried over the player's HDMI output.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels for output over HDMI. Use this setting if the TV or home theater receiver lacks multi-channel audio decoding capabilities.
RAW	Audio is sent without being decoded by the player. The TV or home theater receiver must be able to decode the audio.
AUTO	The player will output LPCM or RAW over HDMI based on the capabilities of the TV or home theater receiver it is connected to.

6.1.6 Auto Play

The player can automatically begin playing media files from attached USB drives or SD cards. For videos, the player will first try to find and resume the last video it was playing before powering off. If it cannot find that video, it will search the root folder and begin playing any compatible videos found there. For music and photos, the player will only look in the root folder and begin playing any compatible files found there.

Setting	Description
Off	The auto play feature is off.
Movies	Enable auto play function for video files.
Photos	Enable auto play function for photo files.
Music	Enable auto play function for music files.

6.1.7 Subtitle Default

The player can either automatically display compatible subtitles found or require subtitles to be manually turned on for each video.

Setting	Description
On	The player will automatically display compatible subtitle files found
Off	The player will not automatically display subtitles. Subtitle must be manually turned on for each video.

6.1.8 Version Info

This setting displays the current firmware version.

6.1.9 USB Upgrade

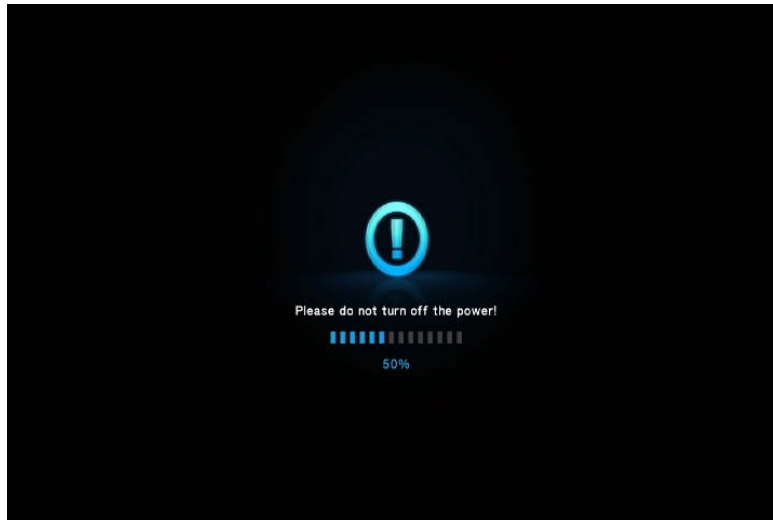Initiates firmware upgrade. Please see *'6.2 Firmware Updates'*

6.1.10 Factory Default

Resets settings back to factory default. To completely wipe and clear the player, perform a firmware update. Please see *'6.2 Firmware Updates'* for more information on performing firmware updates.
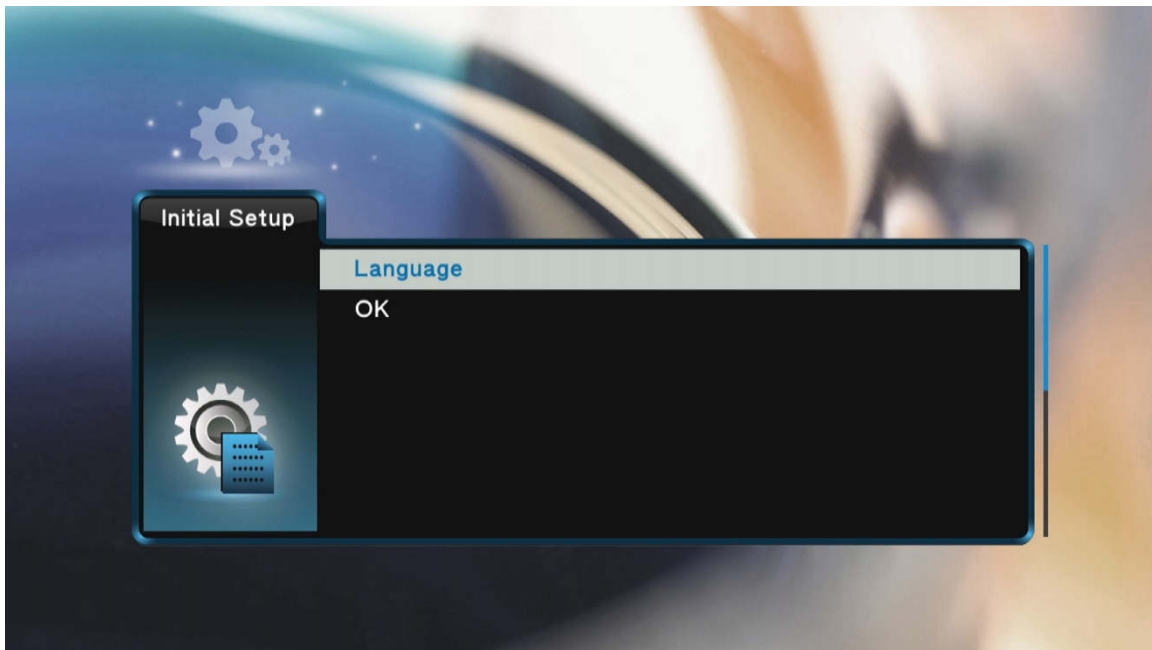
6.2 Firmware Updates

The player provides two methods for performing a firmware update. Normally, firmware upgrades are initiated through the settings menu by selecting the "USB Upgrade" option. If it becomes necessary, a hardware forced firmware upgrade can be performed. To update the firmware, follow these steps:

1) Download the firmware ZIP file and extract the "install.img" file onto the root directory (i.e. not in any folders) of a USB drive.

2) Plug the USB drive into an empty USB jack on the player. Remove all other USB drives or SD cards from the player.

3) To upgrade through settings menu: turn on the player, press the **SETUP** button on the remote, and then select USB Upgrade from the settings menu.

4) To perform a hardware forced firmware upgrade: with the power cable disconnected, use a paper clip or toothpick to press and hold the small pinhole firmware update button on the back of the player. While pressing the recovery button, connect the power cable to the player. Continue to hold the firmware update button for 5 more seconds, and then release it.

5) The firmware update will begin, during which the following screen will be shown:

Please do not turn off the power!
50%

6) Wait for the player to complete the firmware update. Please be patient as it may take several minutes to complete, during which the screen may be blank or show "no signal". Do not interrupt the process or power off the player.

7) When finished, the player will show the initial setup screen:

7 Troubleshooting

Make sure the player has the most current firmware version installed. For latest firmware and troubleshooting resources, visit our product information website www.miccatron.com, or email technical support at support@miccatron.com for personalized assistance.

Video does not play

If a video will not play or generates an error when played, this is most likely due to the video stream in the file being encoded in an unsupported format. The MPLAY-HD Mini supports most popular video formats, but the following video types are **not** supported:

- Video resolution higher than 1920x1080p, such as 4K, is not supported.
- H.264 video encoded in 10-bit per channel is not supported
- HEVC/H.265 codec is not supported
- Video with bit rate higher than 40mbps is not supported
- DRM-protected and encrypted video is not supported

To fix videos like this, it is necessary to recode them using software tools such as HandBrake (www.handbrake.fr). Our product information web site (www.miccatron.com) contains detailed tutorials on how to use HandBrake to recode a video.

No video output, or distorted video on screen

First, make sure the following:

- Player is connected to the TV
- TV is set to the correct input
- Player is powered on, as indicated by a green light on the MPLAY-HD mini

If connected to TV using the HDMI, press the **HDMI** button on the remote to switch the player to HDMI output mode. If connected using the AV red/white/yellow cable, press the **AV** button on the remote to toggle the output mode.

Player does not read SD cards or USB drives

This is most likely the SD card or USB drive used does not have the correct format. The Micca MPLAY-HD Mini supports the following storage devices:

- USB drives up to 4TB with FAT/FAT32, exFAT, NTFS, HFS+ (non-journaled), and EXT3 file systems. HFS+ file systems with journaling enabled is not supported.
- Micro SD cards up to 128GB using FAT/FAT32, exFAT, and NTFS file systems.

Make sure the player is running the most current firmware version available for up to date drive format support. Note that MacOS drives using HFS+ with journaling enabled is not supported. Journaling must be disabled before the drive can be used with the MPLAY-HD Mini.

8 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.