



Micca Slim-HD User's Manual



Thank you for purchasing a Micca product. Should you need any assistance, please contact our technical support before returning the product to the retailer. Email support@miccastore.com

Product information, firmware updates, and common questions and answers can be found at: <http://content.miccastore.com/>

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IMPORTANT!

For your personal safety, please read the following instructions carefully.

- To reduce the risk of fire, electrical shock or damage to the player, do not expose this device to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight).
- Use the player in a well-ventilated environment to ensure proper cooling.
- Do not open the player beyond which is required to install the internal hard disk drive, as there is risk of electric shock. Contact a professional for repair.
- Please follow the instructions enclosed with the player for key operation and maintenance.

Usage Notice

- Before plugging in this device, make sure your power supply voltage matches the product. The working voltage of this player is marked on the AC power adapter. Only use the AC power adapter that is supplied with this device.
- Do not touch the socket with a wet hand.
- Turn off the power when the device will not be used.
- Do not place heavy objects on top of the player.
- Do not use strong solvents to clean the surface of the player such as alcohol, benzene, or thinner.

I. General Introduction

Thank you for purchasing a Micca product.

The Micca Slim-HD is a portable 1080p Full-HD digital media player. It is capable of playing digital videos, music and pictures stored on an internal hard drive or from SD/SDHC flash cards and USB 2.0 compliant storage devices such as USB drives and portable hard disk drives. The Micca Slim-HD supports a wide range of media file formats, allowing its users to enjoy digital contents on the go or in the comfort of his or her living room.

One Device to Store All Your Media Files

The Micca Slim-HD is ideal as the central storage for your media files. With playback quality as good as that of a computer, you will never need to spend time copying large files back and forth between computers. Just take the Micca Slim-HD to wherever you may have a TV or monitor and enjoy!

Perfect For Travel

The Micca Slim-HD is your perfect travel companion. Take your media files with you on a business trip and playback wherever you can find a TV or computer monitor, from showing customers a product showcase video, to catching up on missed shows the comfort of your hotel room. Take the Slim along on a road trip and you'll never run out of videos to play back to the kids.

Maximum Versatility

The Micca Slim-HD is also a portable hard disk drive enclosure. Simply install any SATA 2.5-inch HDD and connect it to your computer's USB port and read/write to it as you please. Choose your own storage space, whether it's a 40GB drive left over from an upgrade, or a new 1TB drive. The Slim is only slightly larger than a regular portable hard drive – so if you are going to carry a portable hard drive, why not carry one that can also play back the media files stored on it.

NOTE: For best compatibility, use 5400RPM drives by Western Digital, Toshiba, Hitachi, or Samsung.

II. Features and Specifications

The Micca Slim-HD is a powerful digital media player, with the ability to decode high bit rate 1080p Full-HD videos. While actual performance can vary depending on the media file, this table of specifications is a summary of the Micca Slim-HD's capabilities.

	Codec	Max resolution	Max stream	Max frames
Video	MPEG1	1920x1080	100mbps	30fps
	MPEG2		100mbps	
	MPEG4-XVID		100mbps	
	DIVX		100mbps	
	H.264		70mbps	
	H.263		100mbps	
	WMV9/VC1		100mbps	
	RMVB		1280x720	
	Files: MKV, AVI, TS/TP, MP4/M4V, MOV, VOB, PMP, RM/RMVB, MPG, M2TS, WMV			
Music	Bit rate: 32kbps – 320kbps			
	Formats: MP3, WMA, OGG, FLAC, APE, AAC, AC3, ATRA, DTS			
Photo	Formats: JPG, JPEG, BMP, GIF, PNG			
Video Output	Analog AV: 720x576 (PAL), 720x480 (NTSC)			
	HDMI: 480p, 720p (50Hz/60Hz), 1080i (50Hz/60Hz), 1080p (50Hz/60Hz)			
Audio Output	Analog Stereo audio output level: 2.0V ± 0.2Vp Frequency Range: 20Hz-20KHz ≤2dB SNR: >80dB (1kHz 0dB) Dynamic range: >80dB (1kHz 0dB) THD: ≤0.04%			
	HDMI PCM Digital Stereo			
Internal Drive	Supports all 2.5" SATA hard disk drives. 9.5mm max drive height.			
External Storage	Supports all USB drives with NTFS or FAT32 file system, including USB hard drives, USB flash drives.			
	Supports all SD and SDHC flash memory cards with NTFS or FAT32 file system			
Product Size	3.15"(W) x 5.35"(L) x 0.79"(H)			
Weight	Player without drive: 4 ounce			
Power	AC 90-230V, 50/60Hz, DC 5.2V 2A			
Packing List	AC Power Adapter, Remote Control, AV Cable, USB Cable, User's Manual			

III. Hard Disk Drive Installation

The Micca Slim-HD has an integrated Serial ATA hard disk drive interface that is compatible with SATA 2.5-inch internal hard disk drives up to 9.5mm in height. Proper hard disk drive installation is critical the player's proper and reliable function. For best compatibility, use 5400RPM drives by Western Digital, Toshiba, Hitachi, or Samsung.

Without a hard disk drive installed, the Micca Slim-HD can still be used to play media files from the card reader or USB devices.

Step 1: Remove the four case screws if present and carefully pry open the bottom cover.

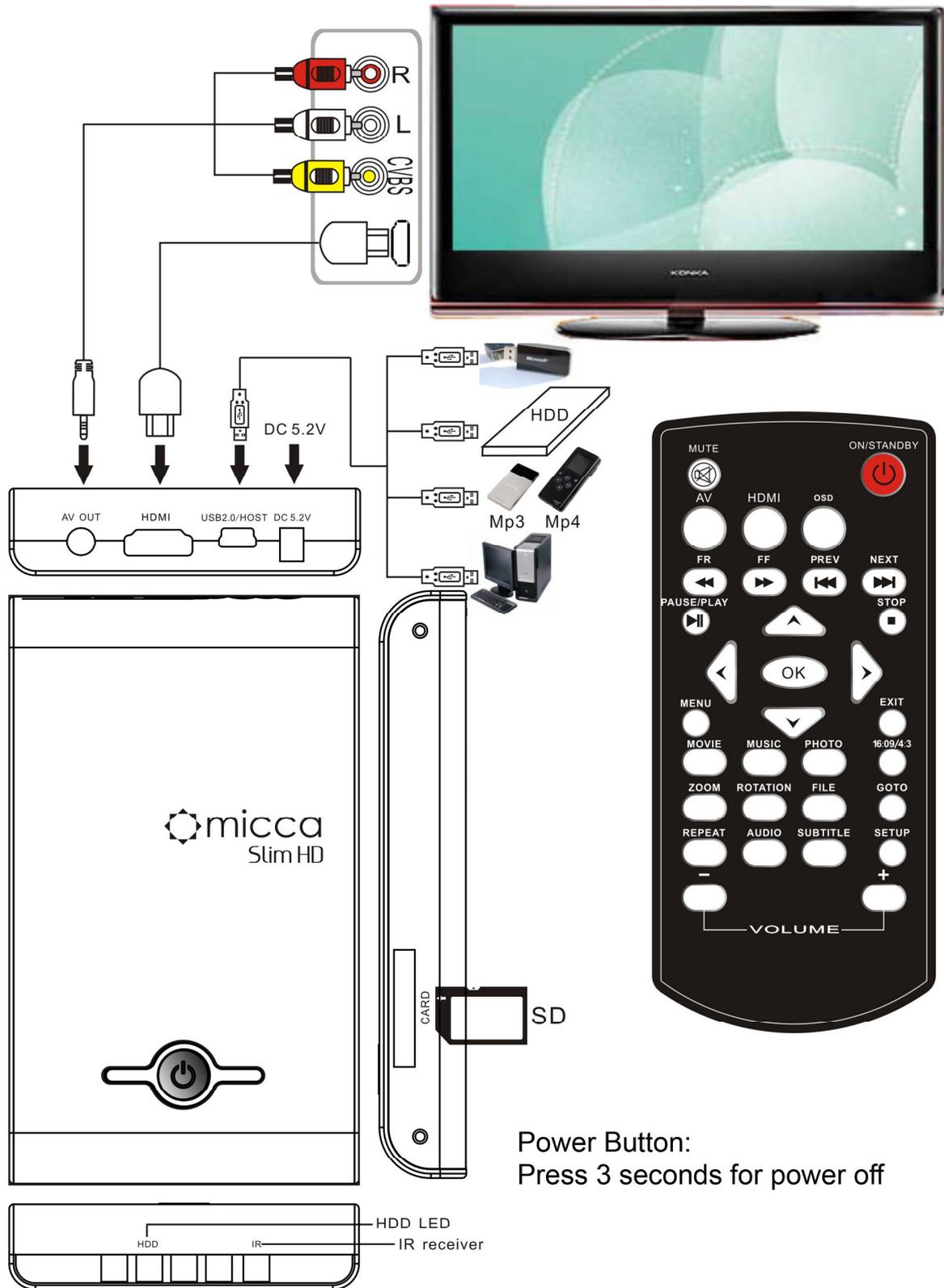
Step 2: Lay the 2.5-inch SATA hard drive down flat in the drive bay and slide it towards the SATA connector to make the connection.



Step 3: Secure the 2.5-inch SATA hard drive with the two silver drive screws. Ensure that the hard drive is centered and not pulled to either side by the screws.

Step 4: Replace the bottom cover and install the four black case screws.

IV. Product Layout and Connections



A. Power

Only use the supplied AC power adapter to provide 5.0-5.2VDC power to the Micca Slim-HD. Using a different power adapter may damage the player. Do not cut off power to the device while the unit is turned on as this may cause serious damage to the hard drive and result in data loss. Make sure that the player is in standby mode before disconnecting power. The player consumes a small amount of power in standby and should be disconnected from power to conserve energy if not planned to use for a while.

 *The blue light on the player will always be on when power is connected. It does not indicate whether the player is on or off.*

B. USB to Computer

The supplied USB cable can be used to connect the Micca Slim-HD to a computer and function as an external hard disk drive. No additional software or drivers are needed for the Micca Slim-HD to be recognized by the computer. Once connected, files can be copied to and from the Micca Slim-HD as desired using the standard file management functions of the computer's operating system.

 *The Micca Slim-HD will draw power through the USB cable when connected to the computer and does not need 5.2VDC power.*

If the hard disk drive is new, it will need to be partitioned and formatted before it can be recognized and used by the computer. For directions on how to partition and format a new hard disk drive within Windows XP/2000, please refer to the following Microsoft tutorial: <http://support.microsoft.com/kb/309000>

The process is very similar for Windows Vista/7. The Micca Slim-HD is able to recognize up to 4 FAT32/NTFS partitions on the hard drive. NTFS partitions are strongly recommended for maximum efficiency, performance, and compatibility with large media files.

To prevent data loss and potential hard disk drive damage, do not disconnect the Micca Slim-HD from the computer until all file copy/move/delete activities have completed and the blue status light is solid and not blinking.

C. Analog AV Output

The Micca Slim-HD can be connected to analog TVs and display devices through its AV Out connector. Only use the supplied 3.5mm-to-RCA cable to ensure correct signal polarity and avoid damage to the player and TV/display. The RCA cable connectors are color coded to match the AV input on TVs and display devices as follows:

Red	Right Audio Channel
White	Left Audio Channel
Yellow	Composite Video

The Micca Slim-HD must be set to NTSC or PAL Composite mode for the analog AV output to function. If there is no picture or the picture is distorted after connecting the AV Output, press the **<AV>** button on the remote to toggle between NTSC and PAL.

D. HDMI Output

The Micca Slim-HD can be connected to HDTVs and digital display devices through its HDMI connector, sending both audio and video signals over one cable. Only use HDMI cables that have been certified to be v1.3a or higher to ensure signal quality. The Micca Slim-HD's HDMI output resolution can be set to 720p (50/60Hz) and 1080i/p (50/60Hz).

⚠ Do not plug/unplug the HDMI output with the power connected to the player. Doing so may damage the player.

The Micca Slim-HD must be set to a valid HDMI output mode for the HDMI connection to output a correct signal. By default, the Slim-HD will set itself to HDMI output when powered on if a HDMI cable is detected. If there is no picture or the picture is distorted, press the **<HDMI>** button on the remote to set the player's output mode to 720p. Other HDMI display modes can then be set through the Setting menu.

Note: The player cannot use both the HDMI and AV output at the same time and will automatically use HDMI if an HDMI connection is detected on power up. Turn the "Auto Detect HDMI" setting off in the settings menu to disable this feature.

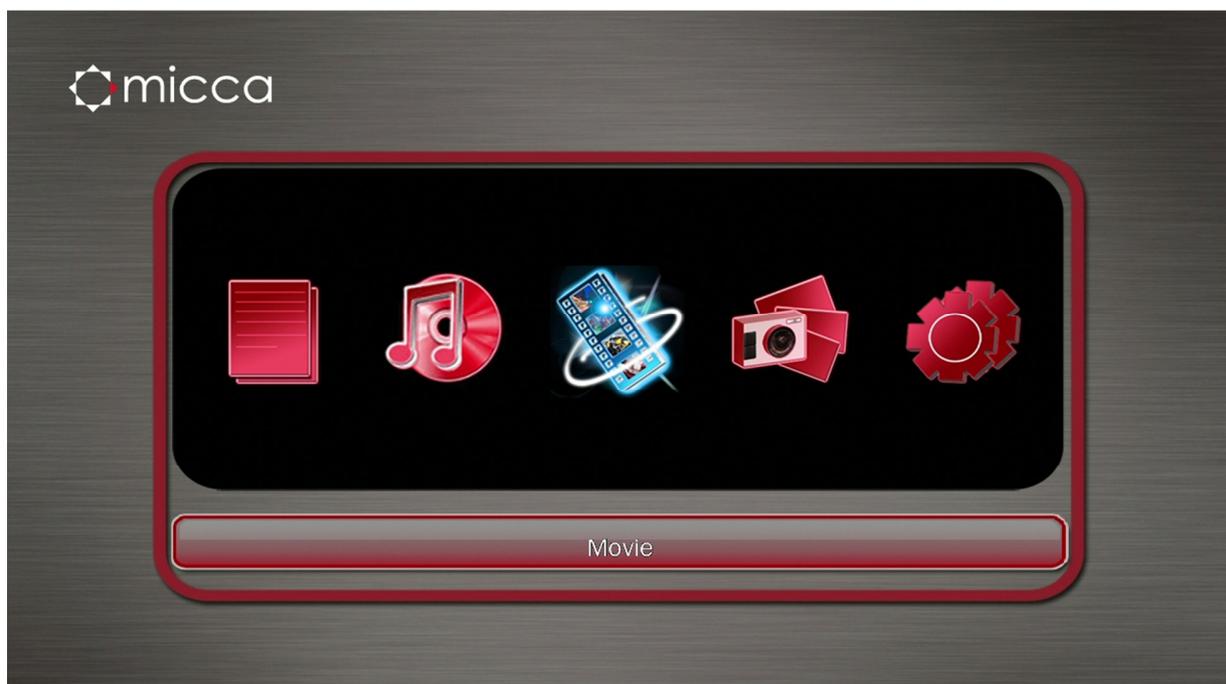
V. Micca Slim-HD Startup

After powering on, the Micca Slim-HD displays the **Home** screen. The **Home** screen presents five icons for access to different types of media files or settings:

Files	Browse and play all compatible file types.
Music	Browse and playback compatible audio files.
Movies	Browse and playback compatible video files.
Photos	Browse and display compatible image files.
Setting	System settings.

Use the <◀> and <▶> buttons on the remote to highlight the desired media type and press the <OK> button to select it. Refer to sections for individual media types for additional information.

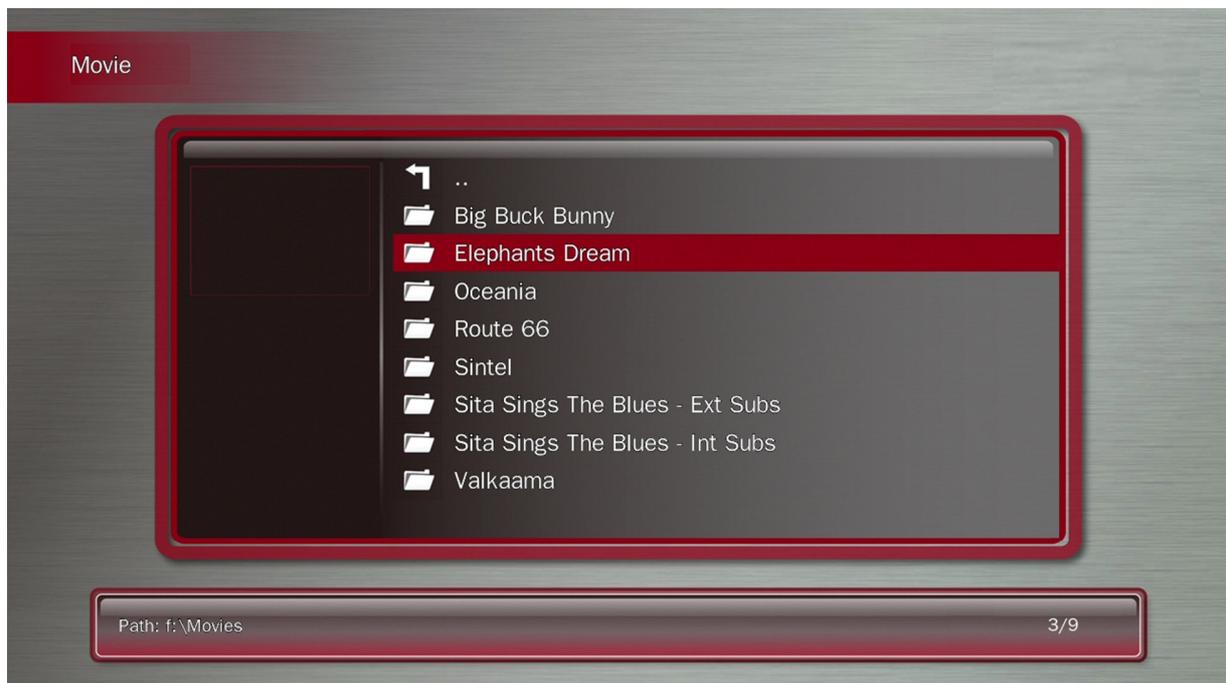
 Use the <File>, <Photo>, <Music>, and <Movie> buttons on the remote to quickly select a browsing method from the home screen.



VI. Playing Movies and Videos

To browse and view movies and videos:

1. From the main menu, select the **Movies** icon and press **<OK>** on the remote to begin browsing for movies.
2. Select which storage device to browse for movies in: Internal HDD, USB Drive, Memory Card, and Optical Drive. Highlight the desired device and press **<OK>**.
3. Select which partition of the drive to browse for movies in. Most drives have only one partition. Highlight the appropriate partition and press **<OK>**.
4. All folders and compatible movie files found will be displayed. If no folders or compatible movie files are found, a message will pop up indicating "No Compatible Files Found!"
5. To browse thin a folder, highlight the folder and press **<OK>**. To back out of a folder, press the **<EXIT>** on the remote.
6. To play a movie, highlight the movie and press **<OK>**.



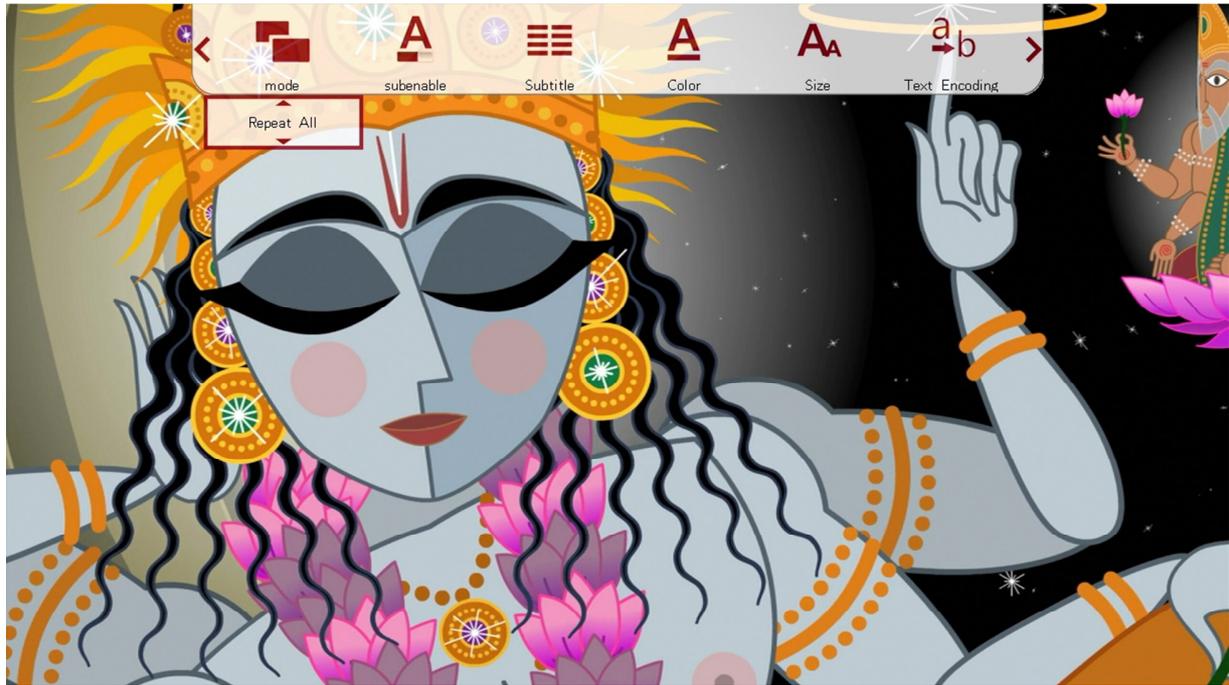
NOTE: Only files with compatible video file extensions MKV, AVI, TS/TP, MP4/M4V, MOV, VOB, PMP, RM/RMVB, MPG, M2TS, and WMV are visible in the file/folder

directory. Video files with incompatible file extensions will not be visible. Video files with compatible file extensions but incompatible codec will generate an error when played.

During playback of a movie, the following remote control operations are available:

Button	Description
MUTE	Mute all sound output.
OSD	Bring up the on screen display menu.
◀◀	Rewind - Available speeds are 1x, 2x, 4x, 8x.
▶▶	Fast Forward - Available speeds are 1x, 2x, 4x, 8x.
◀◀	Previous File - Play the previous file.
▶▶	Next File - Play the next file.
 	Play/Pause - Pause or resume the current file.
■	Stop - Stop playing the current file.
OK	Play/Pause - Pause or resume the current file.
MENU	Go back to the main menu.
EXIT	Stop playing the current file.
16:09/4:3	Aspect Ratio - Available modes are Default, 4:3, 16:9, Fit View, Video Full Screen, Screen Full Screen.
GOTO	Jump to a specific time in the video; use the arrow buttons to enter the time and press <OK> to jump to the entered time.
REPEAT	Changes video playback sequence between Repeat All, Repeat One, Random.
AUDIO	Change the audio track, if multiple audio tracks are available.
SUBTITLE	Turns subtitles on or off. Use the OSD menu to change subtitle track.
VOLUME	Adjust the audio volume.

A. OSD Menu



During playback of a movie, the On Screen Display (OSD) menu offers a convenient way to access many frequently used playback settings. To use the OSD menu, press the **<OSD>** button on the remote while a movie is playing.

To change a playback setting, use the **<◀>** and **<▶>** buttons on the remote to highlight the setting; use the up and down buttons to change the settings value and press **<OK>** to save the present setting. When finished, press the **<Exit>** button to exit out of the OSD menu.

Setting	Description
Mode	Change the playback sequence between Repeat One, Repeat All, Sequential, Random, Only Once.
Sub Enable	Enable or disable subtitle display.
Subtitle	Change the subtitle track being displayed.
Color	Change the subtitle text color between White, Gray, Red, Green, Cyan, Magenta, Yellow.

Size	Change the subtitle text size.
Text Encoding	Change the subtitle text encoding between S-Chinese (GBK), T-Chinese (BIG5), UTF-8, UTF-16BE, UTF-16LE, Japanese (S-JIS), Western, SE European, Turkish, Central European, Cyrillic, Hebrew, Greek, CP1252, Arabic (CP1256), ISO 8859-6, Korean (EUC-KR), Thai.
Time Sync	Change the time sync between the subtitle and the video.

B. Aspect Ratio

For a video to be displayed correctly, it must be played back at with the appropriate aspect ratio. An incorrect aspect ratio will result in a distorted image. The aspect ratio can be changed while a video is playing by pressing the **<16:9/4:3>** button on the remote or through the OSD menu. The following aspect ratio settings are available.

Setting	Description
Default	The video will be played as-is without any change. If a video's resolution is less than the display resolution, it will only occupy the small center portion of the screen.
4:3	The video will be forced to play at a 4:3 aspect ratio.
16:9	The video will be forced to play at a 16:9 aspect ratio.
Fit View	The video will be played slightly zoomed out. This is useful for use with TVs that apply over-scan.
Video Full Screen	The video will be played full screen at the video's native aspect ratio.
Screen Full Screen	The video will be played full screen at the display screen aspect ratio.

C. Subtitles

The Slim-HD supports subtitle tracks embedded in video files or as external subtitle files. When a video has both embedded and external subtitle files, the external subtitles will take precedence. When using external subtitle files, be sure to place the subtitle file in

the same folder and has the same name as the video file. Multiple subtitle files for the same video can be named as in the following example, where there are two subtitle files containing English and Spanish:

My.Awesome.Movie.mkv

My.Awesome.Movie.eng.srt

My.Awesome.Movie.es.srt

To toggle subtitles on or off, press the **<Subtitle>** button while a video is playing. The first subtitle track available will be displayed. To change to a different subtitle track, open the OSD menu and change the Subtitle field to the desired track and press **<OK>**.

If the subtitle language file uses special character encoding, such as GBK for Chinese subtitles, the subtitle may appear as symbols using the default UTF8 encoding. To change to a different encoding, open the OSD menu and change the Subtitle codec field to the desired value and press **<OK>**.



VII. Playing Music

To browse and play music:

1. From the main menu, select the **Music** icon and press **<OK>** on the remote to begin browsing for movies.
2. Select which storage device to browse for music in: Internal HDD, USB Drive, Memory Card, and Optical Drive. Highlight the desired device and press **<OK>**.
3. Select which partition of the drive to browse for music in. Most drives have only one partition. Highlight the appropriate partition and press **<OK>**.
4. All folders and compatible music files found will be displayed. If no folders or compatible music files are found, a message will pop up indicating "No Compatible Files Found!"
5. To browse thin a folder, highlight the folder and press **<OK>**. To back out of a folder, press the **<EXIT>** on the remote.
6. To play a music file, highlight the file and press **<OK>**.



During playback of a music file, the following remote control operations are available:

Button	Description
MUTE	Mute all sound output.
OSD	Bring up the on screen display menu.
◀◀	Rewind - Available speeds are 1x, 2x, 4x, 8x.
▶▶	Fast Forward - Available speeds are 1x, 2x, 4x, 8x.
◀◀	Previous File - Play the previous file.
▶▶	Next File - Play the next file.
	Play/Pause - Pause or resume the current file.
■	Stop - Stop playing the current file.
OK	Play/Pause - Pause or resume the current file.
MENU	Go back to the main menu.
EXIT	Stop playing the current file.
REPEAT	Changes music playback sequence between Repeat All, Repeat One, Sequential, Random, Only Once.
VOLUME	Adjust the audio volume.

NOTE: Only files with compatible audio file extensions MP3, WMA, OGG, FLAC, and APE are visible in the file/folder directory. Audio files with incompatible file extensions will not be visible. Audio files with compatible file extensions but incompatible codec will generate an error when full screen playback is attempted.

A. OSD Menu



During playback of music, the On Screen Display (OSD) menu offers a convenient way to access many frequently used playback settings. To use the OSD menu, press the **<OSD>** button on the remote while a music file is playing.

To change a playback setting, use the **<◀>** and **<▶>** buttons on the remote to highlight the setting; use the up and down buttons to change the settings value; press the **<OK>** button to save the present setting. When finished, press the **<Exit>** button to exit out of the OSD menu.

Setting	Description
Mode	Change the playback sequence between Repeat One, Repeat All, Sequential, Random, Only Once.
EQ Mode	Change the equalizer preset for music playback. Various presets are available for different sound effects.
Lyric Focus Color	Change the color of the lyrics currently sung.

Lyrics Unfocus Color	Change the color of the lyrics not currently sung.
Lyric Play Mode	Change the lyric display stile between Karaoke, or Line Roll.

VIII. Viewing Photos

To browse and view photos:

1. From the main menu, select the **Photo** icon and press **<OK>** on the remote to begin browsing for photos.
2. Select which storage device to browse for photos in: Internal HDD, USB Drive, Memory Card, and Optical Drive. Highlight the desired device and press **<OK>**.
3. Select which partition of the drive to browse for photos in. Most drives have only one partition. Highlight the appropriate partition and press **<OK>**.
4. All folders and compatible photos found will be displayed. If no folders or compatible photos are found, a message will pop up indicating "No Compatible Files Found!"
5. To browse thin a folder, highlight the folder and press **<OK>**. To back out of a folder, press the **<EXIT>** on the remote.
6. To view a photo full screen, highlight the file and press **<OK>**.



While viewing a photo full screen, the following remote control operations are available:

Button	Description
OSD	Bring up the on screen display menu.
 	Play/Pause - Start slideshow.
⏪	Previous File - Previous photo.
⏩	Next File - Next photo.
■	Stop - Stop the slideshow.
OK	Play/Pause - Start slideshow.
MENU	Go back to the main menu.
EXIT	Stop viewing the current photo and show the file list.
ZOOM	Zoom in and out for the current photo.
ROTATE	Rotate the current photo.

NOTE: Only files with compatible photo extensions JPG, BMP, GIF, and PNG are visible in the file/folder directory. Photos with incompatible file extensions will not be visible.

A. OSD Menu



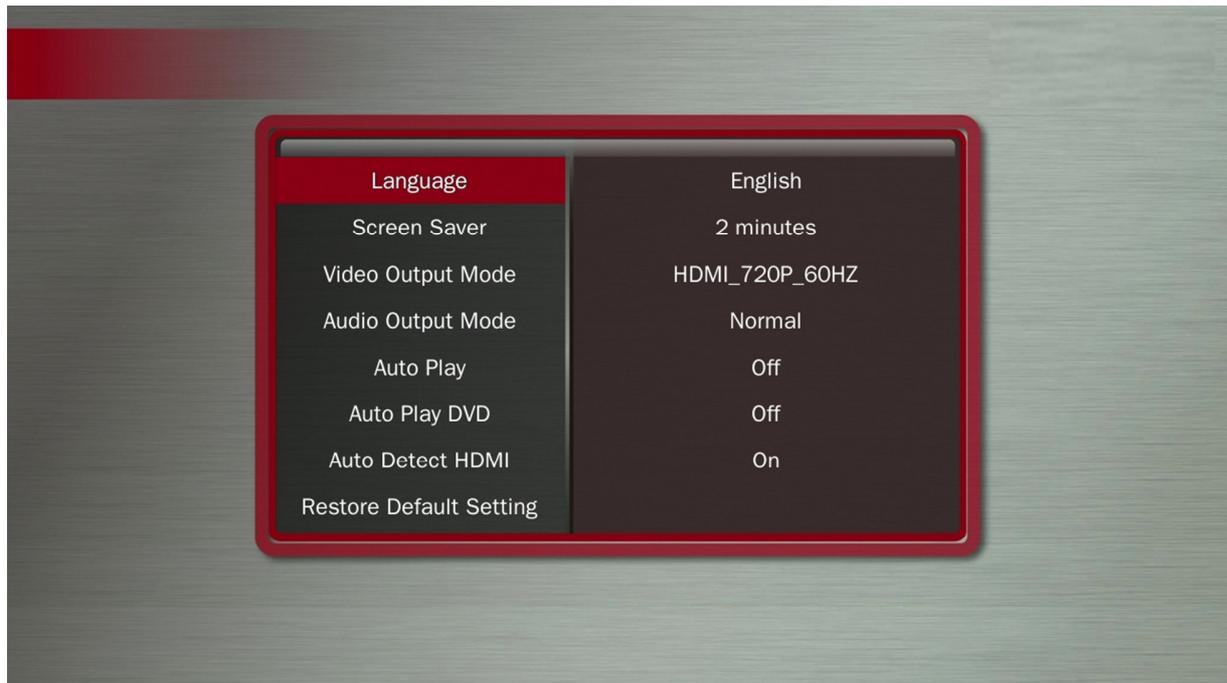
During playback of a photo slideshow, the On Screen Display (OSD) menu offers a convenient way to access many frequently used playback settings. To use the OSD menu, press the **<OSD>** button on the remote while a photo is displayed.

To change a setting, use the **<◀ >** and **<▶ >** buttons on the remote to highlight the setting; use the up and down buttons to change the settings value; press the **<OK>** button to save the present setting. When finished, press the **<EXIT>** button on the remote.

Setting	Description
Switch Mode	Change the transition effect when going from one photo to the next
Play Interval	Change the time delay between photos.
Background Music	Turn background music playback on or off.

IX. Settings

The setting menu contains numerous configuration parameters that control the behavior of the Micca Slim-HD during use. Press the **<SETUP>** button on the remote to access the Settings at any time.



[Language]

Sets the operating language.

Available values: *English, Simplified Chinese, Traditional Chinese, Japanese, Korean, German, Spanish, French, Italian, Portuguese, Dutch, Russian, Polish, Turkish, Czech.*

[Screen Saver]

Sets the idle time after which the screen saver will be displayed.

Available values: *1 / 2 / 3 / 10 / 30 Minutes, 1 / 2 Hours, Off.*

[Video Output Mode]

Sets the video output mode

Available values: *NTSC, PAL, 720p (50/60Hz), 1080i/p (50/60Hz)*

[Audio Output Mode]

Sets the audio output mode

Available values: *Normal, SPDIF LPCM, SPDIF RAWDATA*

[Auto Play]

Automatically play media files found on the root directory of the external USB or Memory Card. Auto play from internal HDD is not supported.

Available values: *Off, Movie, Music, Photo.*

[Auto Play DVD]

Automatically play DVD disc detected in an attached optical drive. Commercial DVDs are not supported by the player due to encryption.

Available values: *On, Off.*

[Auto Detect HDMI]

Automatically detect if a HDMI connection is present when powering on. If detected the player will automatically switch to HDMI output mode instead of AV output.

Available values: *On, Off.*

[Restore Default Setting]

When selected, resets all settings back to factory default

[System Information]

When selected, displays the current firmware version

**Firmware Updates – When available, firmware updates will be posted at <http://content.miccastore.com> and will include installation instructions.

X. Troubleshooting

The following are some common questions and answers. If the following does not provide the answer you are looking for, please check the FAQ section on <http://content.miccastore.com> to see if any updated answers have been posted. You may also send an email to support@miccastore.com for personalized help.

No video output, or distorted video on screen.

Most likely, the player has not been set to the correct output mode. If connected using the AV Red/White/Yellow cable to the TV, press the **<AV>** button on the remote to toggle the output mode. If connected using the HDMI output to the TV, press the **<HDMI>** button on the remote to switch the player to HDMI output mode.

Not detected by computer when connected via USB cable.

Do not connect the power to the player when it is connected to a computer. Ensure that an internal hard drive is installed in the player. If the internal hard drive is new, it must be initialized/formatted before it will be detected by the computer (See chapter IV section B of this manual for instructions). Try connecting the player directly to a USB port on the computer, instead of through any USB Hubs.

If the drive beeps, it may not be getting enough power from the USB port. It is recommended to use newer 5400RPM drives made by Western Digital, Toshiba, Hitachi, or Samsung for best compatibility.

Player will not recognize internal hard drive when playing media files.

If the internal hard drive is new, it must be initialized/formatted before it will be detected by the computer (See chapter IV section B of this manual for instructions). Be sure that the drive is initialized using MBR partition table and uses NTFS file system. It is recommended to use newer 5400RPM drives made by Western Digital, Toshiba, Hitachi, or Samsung for best compatibility.

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