



ATOM CAST HD Digital Media Player

LET US HELP!

Our friendly customer service team is standing by to answer questions, help with setup, or fix issues.



support@neumitech.com



www.neumitech.com



One Year Warranty



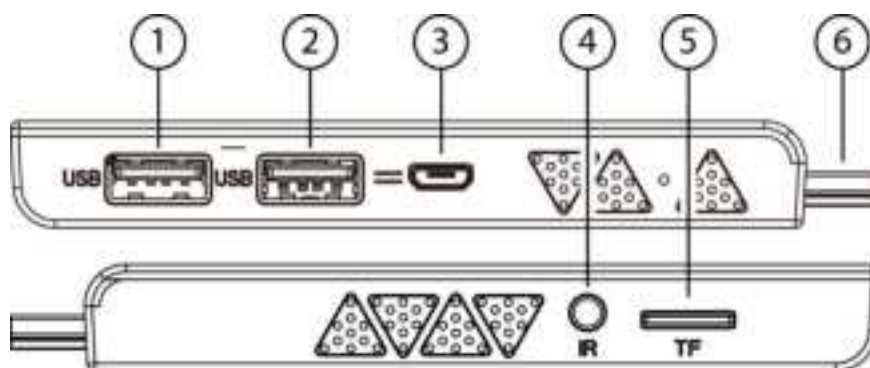
ATOM CAST

User Manual

Congratulations on your purchase of the NEUMI ATOM CAST digital media player. We know your time is valuable, so we have configured this media player with optimized default settings that is suitable for most users. This manual contains information on how to adjust the settings to customize your user experience. If you encounter any difficulties or have questions, please email **SUPPORT@NEUMITECH.COM** and our friendly support team will help you promptly.

First Things First - Connect It All Up!

In the package are your new media player, an AC power adapter, remote control, AV cable, and this user's manual. Take a minute to examine the player to become familiar with the available connectors, this step will save you time later:



- | | |
|---|---|
| 1 | USB 2.0 connector #1 for USB drives, keyboards, and mouse |
| 2 | USB 2.0 connector #2 for USB drives, keyboards, and mouse |
| 3 | Micro USB connector for power only |
| 4 | IR input jack for wired infrared remote sensor |
| 5 | Memory card reader for microSD cards |
| 6 | HDMI to connect to a TV or home theater with HDMI input |

User Advice: Place the wired remote sensor where it can “see” the IR signal from the remote control. For additional convenience, you may purchase a wireless radio remote control and install the receiver in one of the two USB ports. A wireless radio remote does not require line-of-sight, allowing the remote to be held in any position.

To get your media player ready for use :

- Connect the media player to your TV by plugging it into an available HDMI input port. The included HDMI extension cable can be used if needed. If a longer extension cable is needed, be sure to purchase one that is HDMI 2.0 compliant.
- Connect the IR receiver cable and mount the receiver where it can “see” the IR signal from the remote control.
- Turn on your TV and set it to the appropriate input source where the media player is connected.
- Connect the AC adapter for the media player – it will turn on automatically. Ta-da!
- Install two AAA batteries (not included) into the remote control.

That's it! Now all you need to do is load some videos onto a Micro SD card or USB drive (not included) and begin enjoying your new media player.



How Do I Play Videos? How Do I...

How do I load videos, photos, or music onto the media player?

Use a computer to copy videos, photos, or music onto a Micro SD card or USB drive (not included). Organize the files in folders to make them easier to manage. The player supports up to 1000 files per folder. If there are more than 1000 files in a folder, the additional files may not be read by the player.

After copying your media files, insert the Micro SD card or USB drive into the media player to play the videos, photos, or music.

User Advice: The media player does not have any internal memory. It must be used with a Micro SD card up to 512GB or a USB drive up to 4TB. If your Micro SD card or USB drive is not recognized, make sure is using FAT32, exFAT, or NTFS file system format. For help please email SUPPORT@NEUMITECH.COM



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How do I play a video?

After powering on, the media player will display the main menu. Select the **Video** icon from the main menu, then select the USB drive or Micro SD Card to browse for video files to play. Find the video you would like to play, press the **OK** button on the remote and it will begin playing. The media player can also be configured to automatically start playing videos whenever it is turned on – please refer to the settings section for how to configure and use this automatic playback feature.

During video playback, you can...

- Pause or resume playback using the **OK** button. Press the **Return** button to stop.
- Press the **Left/Right** buttons to quickly skip backward or forward. Press and hold the **Left/Right** buttons to use the timeline slider to quickly get to a point in the video.
- Use the **Up/Down** buttons on the remote to go to the previous or next video.

Additional photo display options are available by pressing the **Menu** button:



Display Ratio	Play mode	Subtitle	Audio Track
Full Screen	Repeat All	Int-zho1/14 pgssub	Lossless1/6 ,48000,6,d
Original Ratio	Repeat One	Int-ces2/14 pgssub	3/2+12/6 ,48000,6,dca
	Play Once	Int-ces3/14 pgssub	3/2+13/6 ,48000,6,ac3
		Int-eng4/14 pgssub	3/2+14/6 ,48000,6,ac3

- Display Ratio – Choose between stretched full screen or original aspect ratio.
- Play Mode – Set the video playback repeat mode for one or all videos.
- Subtitle – Select the subtitle track to display or turn off the subtitle.
- Audio Track – Select which audio track to play.

How do I display subtitles for a video?

The NEUMI ATOM CAST supports internal and external subtitles, including SRT, SUB+IDX, and PGS formats. If both internal and external subtitles are detected, they are listed together, with a maximum of 10 subtitle tracks. To use an external subtitle file, name it the same as the video, but with a language and “SRT” file extension, and place it in the same folder as the video. For example:



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To display a subtitle track, press the **Menu** button on the remote control to bring up the playback menu, select the subtitle track you want to display and press the **OK** button to confirm. To stop displaying subtitles, select “Close Subtitle” in the playback menu.

Expert Note: Subtitle text encoding uses the UTF-8 code page by default. Due to the many ways in which text can be encoded, the only officially supported subtitle languages are English, Spanish, and Chinese.

How do I play photos?

From the main menu, select the **Photo** icon, then select the USB drive or Micro SD Card to browse for photos to play. Find the photo you would like to play, press the **OK** button on the remote and it will be displayed. The media player recognizes up to 1000 photos in a folder and can play a slideshow of photos within the same folder. The media player can also be configured to automatically start playing photos in a slideshow whenever it is turned on – please refer to the settings section for how to configure and use this automatic playback feature.

During photo playback, you can...

- Pause or resume photo slideshow using the **OK** button. Press the **Return** button to stop.
- Use the **Left/Right** buttons on the remote to go to the previous or next photo.
- Use the **Up/Down** buttons on the remote to rotate the display of the photo. Note that this effect is only for display and is not saved.

Additional photo display options are available by pressing the **Menu** button:



Effect	Interval	Play Mode	Show Details
Zoom	Off	Sequential Repeat	On
Slide Up	5 seconds	Sequential	Off
Fade	10 seconds	Random	
Erase	30 seconds		
Slide Down	1 minute		
Expand	5 minutes		

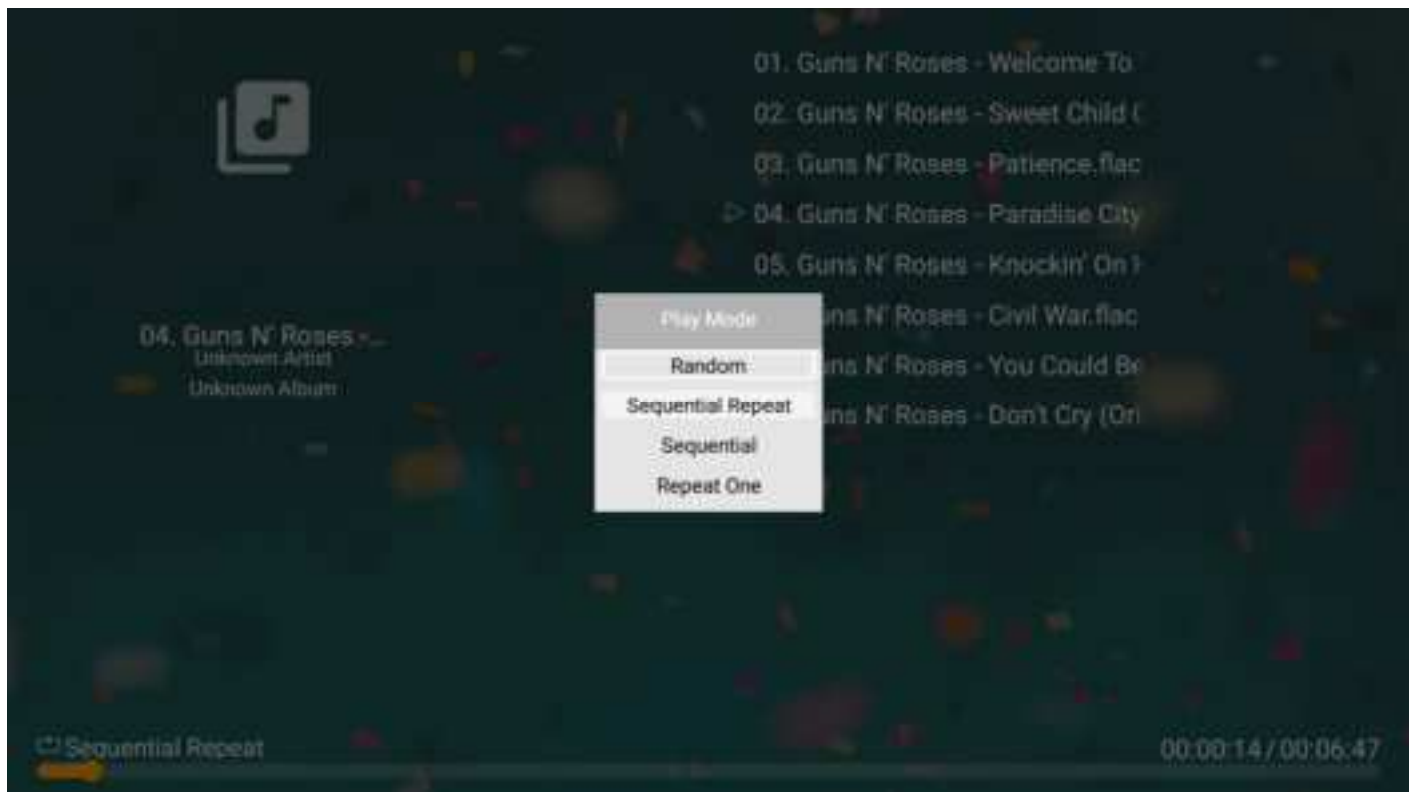
- Effect – Sets the slideshow transition effect.
- Interval – Set the delay time between photos in a slideshow.
- Play Mode – Selects sequential or random order for slideshow.
- Show Details – Toggle display of photo name and date taken.

How do I play music?

From the main menu, select the **Audio** icon, then select the USB drive or Micro SD Card to browse for music files to play. Find the file you would like to play, press the **OK** button on the remote and it will begin playing. The media player can also be configured to automatically start playing music whenever it is turned on – please refer to the settings section for how to configure and use this automatic playback feature.

During music playback, you can...

- Pause or resume the song using the **OK** button. Press the **Return** button to stop.
- Press the **Left/Right** buttons to quickly skip backward or forward. Press and hold the **Left/Right** buttons to use the timeline slider to quickly get to a point in the video.
- Use the **Up/Down** buttons on the remote to go to the previous or next video.
- Use the **Menu** button to change the playback order of the songs in the current folder: Random, Sequential Repeat, Sequential, Repeat One.

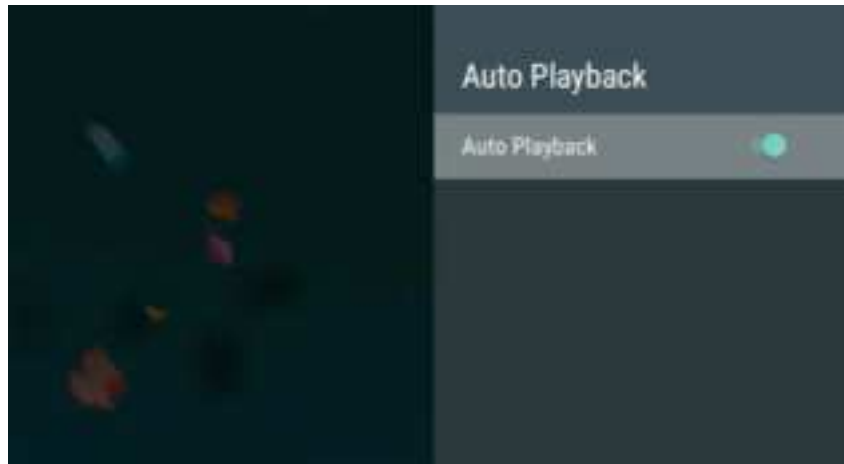


How do I play video, photos, or music automatically?

The NEUMI ATOM CAST can be configured to automatically play videos, photos, or music when:

- Power is plugged in, including when power is restored after an outage
- Turned on using the remote control
- A Micro SD card or USB drive is inserted

To enable this feature, go to the **Settings** menu and enable the **Auto Playback** setting.



Make sure the videos, photos, and music files that you want to automatically play are in the root folder and not in any subfolders. The Auto Playback feature will only play one type of media file and will not mix files. It will first look for videos to play; if no video files are found it will look for music files to play; if no music files are found it will look for photos to play. To automatically play one file type, make sure that there are no other file types in the root folder of the Micro SD card or USB drive. To control the sequence of playback, name the files using a common format and in alphabetical order:

RIGHT!	WRONG!
VIDEO0001.MKV	1.MKV
VIDEO0002.MP4	02.MP4
VIDEO0003.MKV	3.MKV
...	...
VIDEO0010.MKV	10-Video.MKV
VIDEO0011.MKV	11(1).MKV
...	...
VIDEO0100.MP4	100.MP4

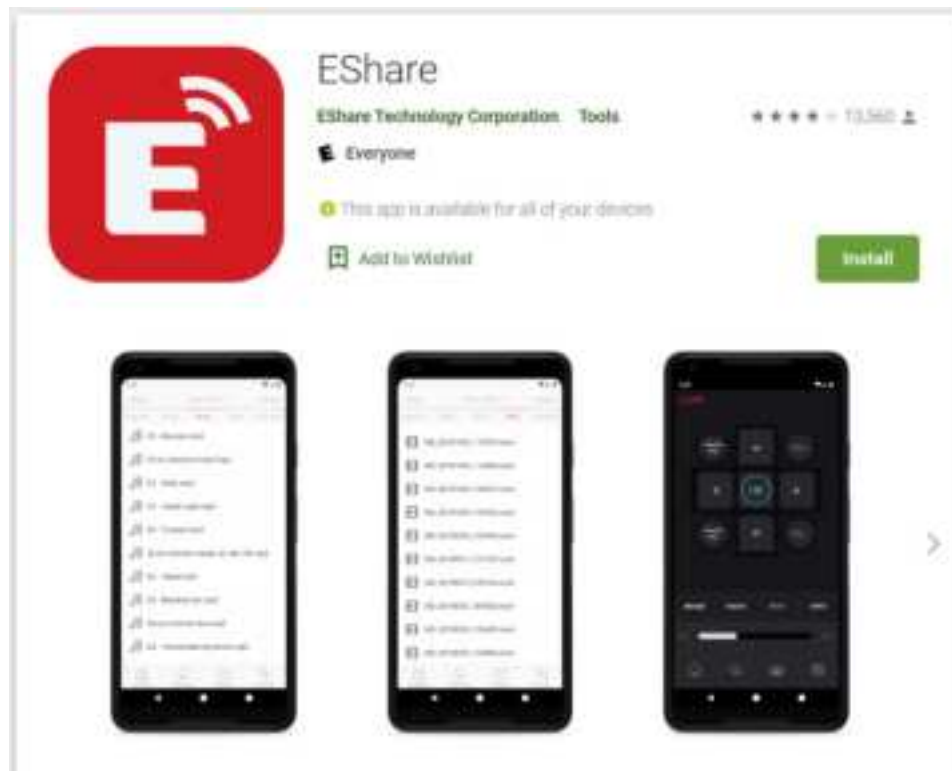
How do I use the EShare feature?

User Advice: EShare feature performance is dependent on the speed and signal quality of the Wi-Fi network. High bitrate 1080p or 4K videos may not stream/cast smoothly. Please ensure that the ATOM CAST has a strong Wi-Fi signal for the best experience.

The ATOM CAST comes pre-configured for use with EShare – a powerful application that provides wireless media casting, screen mirroring, and remote control capabilities:

- Cast videos, photos, and music from your phone/tablet/computer to the ATOM CAST
- Mirror the display of the ATOM CAST to your phone/tablet/computer screen
- Mirror the display of your phone/tablet/computer to the ATOM CAST, without audio
- Stream the camera feed from your phone/tablet/computer to the ATOM CAST
- Use your phone/tablet/computer as a remote control or keyboard for the ATOM CAST

To use EShare download and install the EShare app on your smartphone, tablet, or computer. The EShare app is available for installation from Google Play, Apple App Store, Microsoft Store, and Chrome Web Store.



After installing EShare on your smartphone, tablet, or computer, make sure the ATOM CAST is connected to the same Wi-Fi network. Start the EShare app and it will automatically find and connect to the ATOM CAST. For specific instructions on how to use the casting and streaming features in EShare, please refer to the instructions provided within the EShare app.

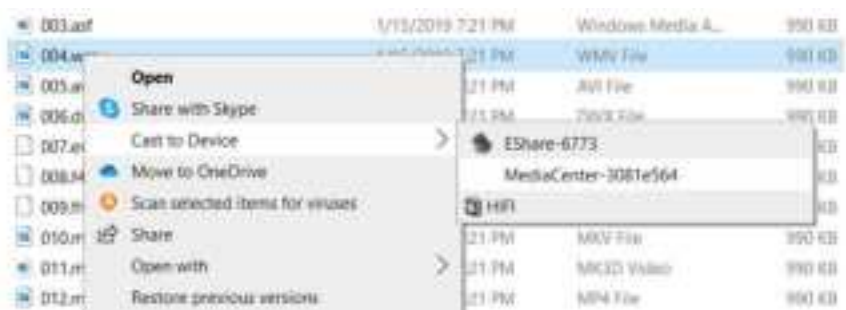
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How do I use the UPnP/DLNA feature?

User Advice: UPnP/DLNA feature performance is dependent on the speed and signal quality of the Wi-Fi network. High bitrate 1080p or 4K videos may not stream/cast smoothly. Please ensure that the ATOM CAST has a strong Wi-Fi signal for the best experience.

The ATOM CAST has a built-in UPnP Renderer that can be used to play videos, photos, and music from a UPnP server that is on the same local network. This is useful for users who have a centralized library of media files that they would like to play on TVs in different parts of the house. Setting up and configuration of a UPnP server is beyond the scope of this user manual, although there are numerous tutorials on the Internet on how to do this with free software tools.

The UPnP Renderer name for the ATOM CAST is “MediaCenter” followed by a string of unique numbers. It will be automatically listed on the UPnP casting device as an available renderer, such as shown in the screenshots below from an example Android phone and Windows 10 computer:



When the UPnP cast video is playing, a limited number of video playback controls are available using the ATOM CAST remote control. Playback can also be controlled using the UPnP casting device.

I Now Have Additional Questions...

Here are some common questions and answers. If you have additional questions, please email **SUPPORT@NEUMITECH.COM** for additional help!

Video does not play or plays with problems

The media player supports video, music, and photo files that meet the following requirements:

Video File Support

- Container files: MKV, MP4, MOV, VOB, AVI, TS, M2TS, WMV
- MPEG1, MPEG2, MPEG4/ASP, VP8 – maximum 1920x1080@60fps, 50mbps
- H.264/AVC, H.265/HEVC – maximum 4096x2304@30fps, 2048x1080@60fps, 200mbps

Music File Support

- Formats: MP3, FLAC, OGG, APE, AAC
- Bitrate: 32kbps to 320kbps

Photo File Support

- Formats: JPG, PNG, GIF (non-animated), BMP

The most common cause for videos not playing is an unsupported video codec or a resolution that is higher than the maximum supported. You can use the free MediaInfo tool at

<https://mediaarea.net/MediaInfoOnline> to check if your video satisfies these requirements.

Videos that do not play can be recoded using free software to be compatible. Please email our support team at **SUPPORT@NEUMITECH.COM** if you need help doing the conversion.

The USB drive or Micro SD card cannot be read

For USB drives and Micro SD cards, check that the drive is using FAT32, exFAT, or NTFS file system. Some drives come with hidden files from the factory that may cause error messages. Please try copying all files off of the drive, reformatting the drive, and then copying the files back onto the drive.

The media player does not support Micro SD cards or USB drives that other file systems such as HFS+, or EXT3/4. Please email **SUPPORT@NEUMITECH.COM** if you need help troubleshooting storage-related issues.

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Photos are displayed sideways or upside down

The media player is designed to display photos as-is without making any changes to them. This ensures that your photos are never accidentally damaged or overwritten. The rotation function provided by the media player only changes how the current photo is shown on screen – the rotation change is not saved to the photo file. Therefore, the next time the photo is shown, it is again displayed without any rotation applied.

Please visit **WWW.NEUMITECH.COM** for tutorials on how to fix image rotation issues using free software. Please email **SUPPORT@NEUMITECH.COM** if you need further help in this regard.

Photos have black bars on the sides or above/below

The media player shows all photos without cropping any portion of the photo. For photos that do not exactly match the display ratio of the TV screen, there will be black bars added to the sides or above/below the photo. This is normal behavior and your computer/phone work the same way. To eliminate black bars, make sure your photos are a perfect match for the resolution of the TV screen, such as 1920x1080.

The player does not respond to remote control

To see if the remote is working, please use the cell phone trick where you look at the remote's signal emitter through your cell phone's camera. If you have an iPhone, use it in selfie mode with the front camera since the main camera has an IR filter. If the remote is working, you'll see the emitter light up through your phone's camera. This helps determine if the remote is bad. Please email **SUPPORT@NEUMITECH.COM** if you need additional assistance.

Settings Menu

Network – Connect to a Wi-Fi network. Note that the network features of the ATOM CAST are dependent on the speed and signal quality of the Wi-Fi network. High bitrate 1080p or 4K videos may not stream/cast smoothly. Please ensure that the ATOM CAST has a strong Wi-Fi signal for the best experience.

Language - Sets the media player's operating language

Display Resolution - Sets the video output resolution. By selecting Auto, the player will attempt to determine the optimal resolution setting. Select a different resolution if desired.

Display Zoom - Adjust the edge of the output image so that it properly fits the TV screen.

Audio Output Mode - Sets the audio output mode. In **Normal** mode, audio will be output through HDMI or analog AV output depending on which method is used to connect the media player to a TV. If this setting is set to **Analog** mode, audio will be output only through the AV output jack. It is, therefore, possible to have the video output to a TV using HDMI, and the audio output to a stereo system using the analog AV connection.

System Sounds - Enable or disable the system sound when the user presses a remote control button.

Volume Setting - Set the audio output volume. The remote control volume buttons can also be used to set the audio output volume.

Audio Output Format - Set the audio output format. The Default setting is stereo PCM output. Select Passthrough to send surround sound audio to a home theater receiver.

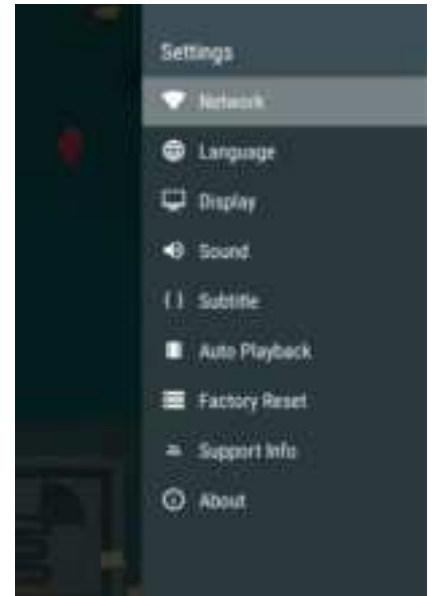
Close Subtitle - Set the default subtitle display behavior when playing a video. When enabled, subtitles will be closed and not shown by default.

Auto Playback - Automatically play videos, music, or photos found on the root directory of a USB drive or Memory Card. The Auto Playback feature will only play one type of media file and will not mix files. It will first look for videos to play; if no video files are found it will look for music files to play; if no music files are found it will look for photos to play.

Factory Reset - When selected, resets all settings back to factory default

Support Info - Display technical support contact information.

About - Display the current firmware version and access the online firmware update menu.



****Firmware Updates** – When available, firmware updates will be available for download from our product information website **WWW.NEUMITECH.COM** and will include installation instructions.

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Specification

Video File Support

- Container files: MKV, MP4, MOV, VOB, AVI, TS, M2TS, WMV
- MPEG1, MPEG2, MPEG4/ASP, VP8 – maximum 1920x1080@60fps, 50mbps
- H.264/AVC, H.265/HEVC – maximum 4096x2304@30fps, 2048x1080@60fps, 200mbps

Music File Support

- Formats: MP3, FLAC, OGG, APE, AAC
- Bitrate: 32kbps to 320kbps

Photo File Support

- Formats: JPG, PNG, GIF (non-animated), BMP

Storage Drive Support

- USB drives with FAT32, exFAT, or NTFS file systems
- Micro SD cards with FAT32, exFAT, or NTFS file systems

Video Output

- HDMI: 720p, 1080i, 1080p, 2160p, all @50Hz/60Hz
- AV: 720x576 (PAL), 720x480 (NTSC)

Audio Output

- HDMI: PCM, Passthrough
- AV: Stereo

Dimensions:

- 4.57" x 1.54" x 0.55" (116mm x 39mm x 14mm), player alone
- Weight: 1.4 Ounce (39 Grams), player alone

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.

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STANDARD LIMITED WARRANTY

The manufacturer warrants this product to be free from defects in workmanship and materials under normal use for one (1) year from the original purchase date. The manufacturer agrees, at its option during the warranty period, to repair any defect in material or workmanship or to furnish a repaired or refurbished product of equal value in exchange without charge (except for a fee for shipping, handling, packing, return postage, and insurance which will be incurred by the customer). Such repair or replacement is subject to verification of the defect or malfunction and proof of purchase as confirmed by showing the model number on the original dated sales invoice.

WARRANTY LIMITATIONS

This warranty does not include:

- Normal wear and tear
- Any condition resulting from other than ordinary use or any use for which the product was not intended
- Any condition resulting from incorrect or inadequate maintenance or care, modifications, misuse, abuse, negligence, accidents, or shipping damage
- Dissatisfaction due to buyer's remorse

The limit of liability under this warranty is the original purchase price of the product. The manufacturer makes no express warranty or condition whether written or oral and the manufacturer expressly disclaims all warranties and conditions not stated in this limited warranty. To the extent allowed by law, the manufacturer disclaims all implied warranties or conditions, including any implied warranties of merchantability and fitness for a particular purpose. For all transactions occurring in the United States, any implied warranty of condition of merchantability, satisfactory quality, or fitness for a particular purpose is limited to the duration of the express warranty set forth above. Some states or countries do not allow a limitation on how long an implied warranty lasts or the exclusion of limitation of incidental or consequential damages for consumer products. In such states or countries, some exclusions or limitations of this limited warranty may not apply to the customer. For consumer transactions, the limited warranty terms contained in this statement, except to the extent lawfully permitted, do not exclude, restrict, or modify but are in addition to the mandatory statutory rights applicable to the sale of this product to the customer.

WARRANTY CLAIMS

Claims for defective products must be made within one (1) year from the invoice date. Claims for missing parts must be made within 30 calendar days after the product is received. Any claim for defective merchandise returns must be packaged for adequate protection during shipping. All claims must provide a copy of the original invoice. If the claim is justified, the item(s) or part(s) will be repaired or replaced or a credit will be issued.

FCC:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.