

Welcome!

Thank you for purchasing of the VP500-103 Media Player. We are sure you will find the VP500-103 easy to use, easy to install, and easy to maintain. We are committed to providing our customers with Signal Management Solutions for the most demanding audio/visual installations, and we welcome you to become our customer for life. If you have any questions or need technical support, please do not hesitate to call us right away. We can be reached at 714-990-2300.

1. Safety Guidelines and Warnings

Please read this manual before using the VP500-103 Media Player. Keep this manual handy for future reference. This manual is also available on Altinex website at www.altinex.com. These safety instructions are provided to ensure the long life of the VP500-103 and to prevent fire and/or shock hazard. Please heed all warnings.

1.1 General

- Only qualified Altinex service personnel or their authorized representatives may perform service.

1.2 Installation Precautions

- To prevent fire or shock, do not expose this unit to water or moisture. Do not place the VP500-103 in direct sunlight, near heaters or heat-radiating appliances, or near any liquid. Exposure to direct sunlight, smoke, or steam can harm internal components.
- Handle the VP500-103 carefully. Dropping or jarring can cause damage.
- Do not pull any cables that are attached to the VP500-103.

1.3 Cleaning

- Clean only the connector area with a dry clean cloth. Never use strong detergents or solvents such as alcohol or thinner. Do not use a wet cloth or water to clean the unit.

1.4 FCC Notice

- This VP500-103 complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This VP500-103 may not cause harmful interference, and (2) this VP500-103 must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class A pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions found herein, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.
- Any changes or modifications to the unit not expressly approved by Altinex, Inc. will void the user's authority to operate the equipment.

2. Installation Procedures

Note: Download and read the entire online manual to become familiar with the VP500-103.

Step 1: Locate the USB memory drive provided with the VP500-103.

Step 2: To display a custom image (track), upload one or more MPEG2 files to the USB stick. It is best to create file with 1920x1080 resolution.

Note: The VP500-103 displays a basic image if there is no USB stick.

Step 3: Install USB stick into VP500-103.

Step 4: Connect the VP500-103 output to the HDTV using the provided HDMI cable.

Step 5: Apply power to the unit using the included power adapter.

Step 6: Wait for image to display. Use the control buttons  and  on the included remote control to select the default track.

3. Limited Warranty/Return Policies

Please see the Altinex website at www.altinex.com for details on warranty and return policies.



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4. Technical Specifications

Specifications are subject to change. See www.altinex.com for up-to-date information.

Features/Description		VP500-103 USB Media Player
Input Connectors		
USB Memory Drive		USB 2.0 Type A F(1)
SIMM Card Memory Drive		SD/MMC F (1)
Power		DC Jack 3.5X1.35mm F (1)
Output Connectors		
Digital Video & Audio		HDMI F, Type A (1)
Video & Audio		3.5mm F (1)
Compatibility		
Signal types		HDMI, AV
HDMI		HD Resolutions up to 1080p
AV		PAL/NTSC, L/R Audio
Accessories Included		
Power Supply Included		5V VDC, 2A
HDMI Cable		3 ft, M/M
Remote control		IR

Table 1. VP500-103 General



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Mechanical	VP500-103 USB Media Player
Material	Aluminum
Color	Black
Height	3.15 in (80 mm)
Width	2.36 in (60 mm)
Depth	0.63 in (16 mm)
Weight	0.20 (0.090 kg)
T° Operating	10°C-40°C
Humidity	80% non-condensing
MTBF (calc.)	38,000 hrs

Table 2. VP500-103 Mechanical



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Electrical	VP500-103 USB Media Player
Video Output Signals	
Digital Video & Audio	HDMI Standard
Video & Audio	PAL/NTSC
Power	
+5V	4W
Remote Control Battery	CR2025 3V

Table 3. VP500-103 Electrical



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5. VP500-103 USB Media Player (with USB drive)

- Outputs HD 720p and 1080p video
- Supports both HDMI and AV outputs
- Lightweight compact design
- Provided with USB stick, remote control, and power supply
- Automatic video looping on a default track
- Easy default track configuration

Overview

The VP500-103 is an HD media player. It supports a wide variety of video, audio, and still image formats. The VP500-103 provides selectable NTSC/PAL or widescreen HDTV resolutions to view movies or images on the display. The length of the movie is only limited by the size of the memory drive. 500MB USB high reliability drive is provided with the media player.

Summary

The VP500-103 HD media player is designed to provide a custom media experience for audio/visual installations. It can be used to play corporate introduction videos, display company logos, or provide short video user guides. The high reliability USB drive that is included with the VP500-103 can also accommodate SD/SDHC/MMC memory cards. The VP500-103 supports a variety of file formats, including: MPEG1 for 480p; 720p and MPEG2 for 1080i; 1080p video content; and JPG, BMP, PNG, and GIF for still images. In addition to video content, the VP500-103 can also play audio files using MPR, WMA, and WAV formats.

After power up, the VP500-103 player automatically plays a default track and continuously loops that track until a new track selection is made using the handheld remote control. The default track loops seamlessly from the end to the beginning without any artifacts in between. If the USB memory is removed or any errors in operation occur, the VP500-103 automatically defaults to a low impact idle image that gently reminds the user to insert the USB drive. The idle image displays a simple icon suggesting that a USB stick is inserted.

The included remote control provides the ability to configure a default track, adjust resolution, and select additional functions. The remote control is also used to set the AV output type to NTSC or PAL for use with an AV output cable which provides a 3.5mm to 3 RCA connectors cable for video and L/R stereo audio. The included 3 ft. HDMI cable is used to connect the VP500-103 to an HDMI large screen display.



Figure 1: USB Media Player with Accessories



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6. Application Diagrams

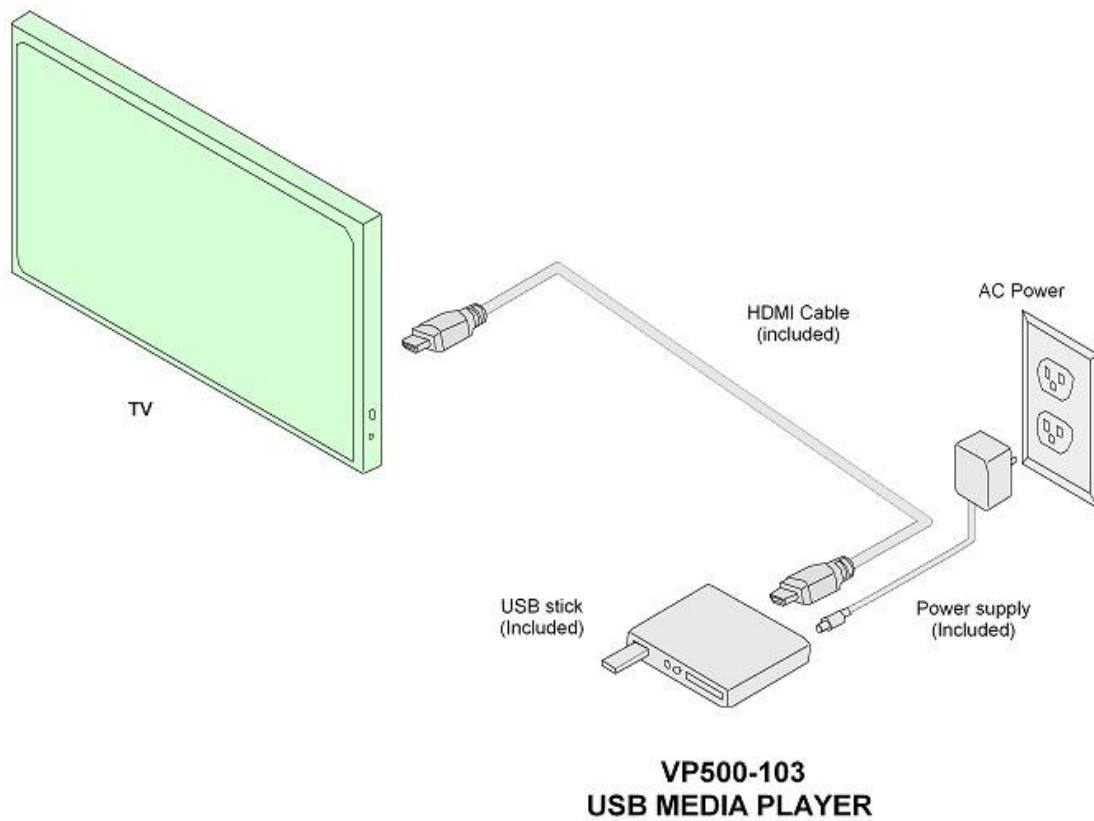


Figure 2: Application diagram for VP500-103

6.1 Dimensions

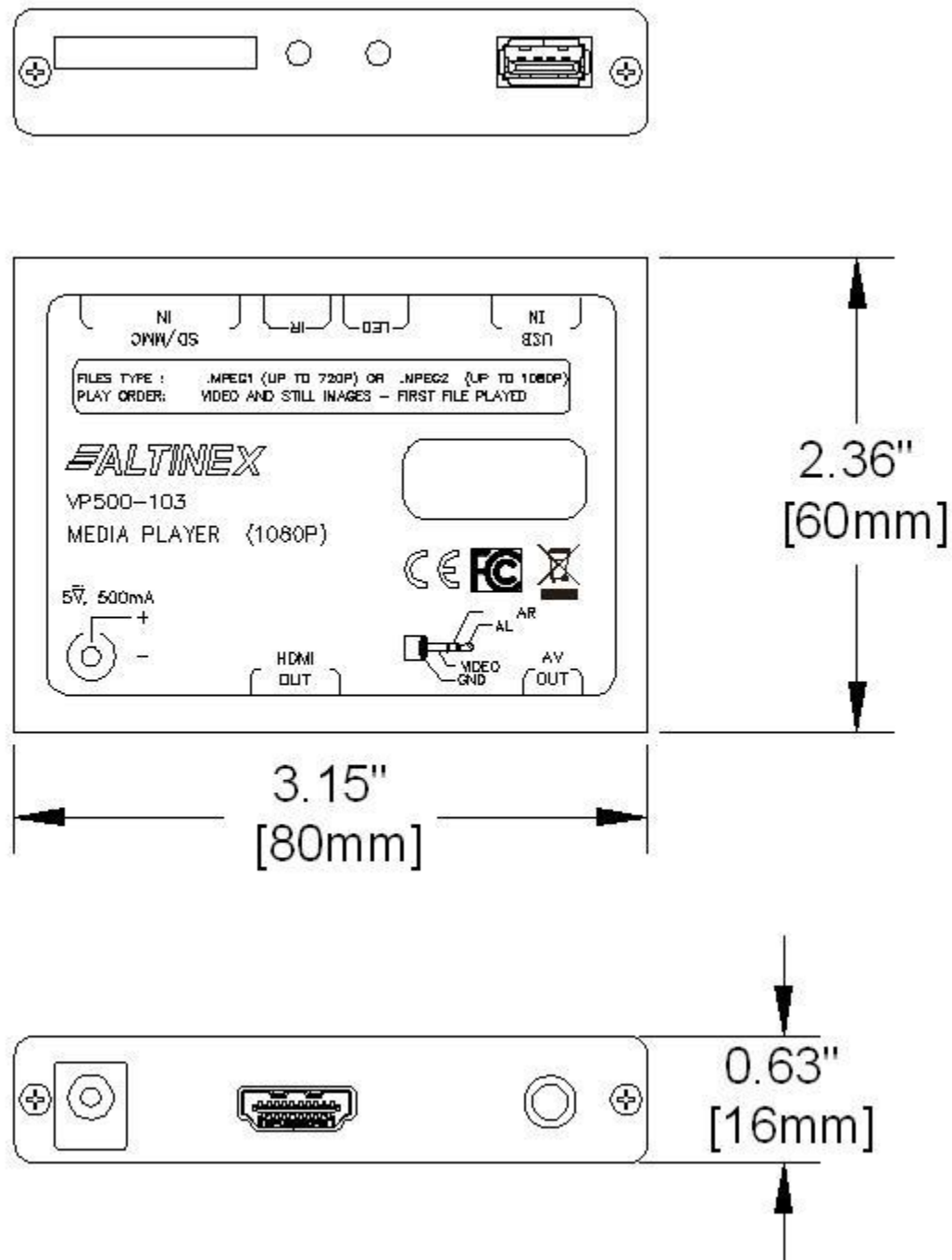


Figure 3: Dimension diagram for VP500-103

7. Operation

After power up, the VP500-103 continuously loops on the default track until a new track is selected using the handheld remote control.*

The default track loops seamlessly from the end to the beginning without any artifacts in between. If the USB memory is removed, or if any error in operation occurs, the VP500-103 automatically defaults to a low impact idle image that gently reminds the user to insert a USB drive by displaying a simple icon.

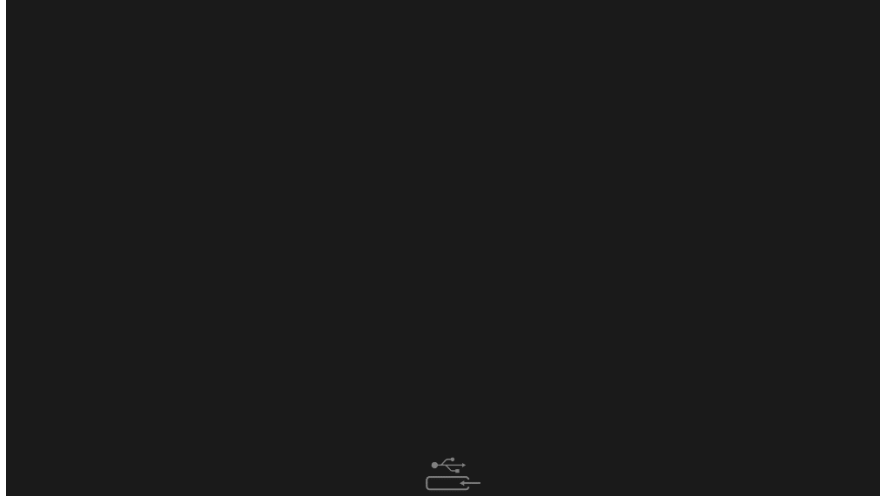


Figure 4: Low impact screen image when USB memory is removed

*A small plastic tab extends out from the remote control battery compartment. This must be removed before using the remote control.

7.1 Default Track Selection

Use the skip chapter buttons on the remote control provided with the VP500-103 to change the default track. You do not need to know the track number. Simply stop when the track you want displayed is visible on the display. The corresponding track number has already been stored in memory and will play automatically even after a power reset.



Figure 5: Press skip chapter button to change track

7.2 Advanced Options

Advanced options may be set using the remote control. Any changes to the configuration are stored in memory and will remain even after a power reset occurs.

Access the advanced options by pressing the "Setup" button on the remote control. Use the arrow (orange), Enter (green), and Return (yellow) buttons to navigate the menus. Advanced options include output resolution, video format, and language options.

Note: Use caution when changing resolutions or video format. If your display does not support the new format, you will not be able to read the menu and make changes.



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8. Troubleshooting Guide

We have carefully tested and have found no problems in the supplied VP500-103. However, we would like to offer suggestions for the following issues:

Symptom	Resolution
Media Player Does Not Function	<ol style="list-style-type: none">1. The unit may be loading data from the USB/SD/MMC storage device, which can take a while.2. If you are certain the unit does not function, unplug the power adapter and plug it in again.
No Display on Screen	<ol style="list-style-type: none">1. Check if the power adapter is properly connected.2. Make sure the AV or HDMI cable is connected properly.3. Remove the SD/MMC memory card or USB device and plug in again after the unit is turned on normally.4. If media player is connected to TV with AV cable, set TV source (output) as TV/PAL/NTSC (according to type of TV), press AV button on remote control to set the media player output as AV.5. If media player is connected to TV with HDMI cable, set TV source as HDMI, then press HDMI button on remote control to set the media player output as HDMI.6. If you continue to have trouble, connect your local distributor.
Movie File Won't Play	<ol style="list-style-type: none">1. Double check the movie formats supported by this media player, then make sure the media player is functioning normally.2. If the movie file format is supported by this media player, try rebooting the unit.3. If it still does not work, the file may not be supported.
Cannot Adjust Subtitle	<ol style="list-style-type: none">1. Keep in mind that some videos or movies downloaded from the Internet come with subtitles programmed already. If this is the case, the subtitles feature of this device cannot be used to make any changes to the subtitles.
The Idle Image (simple USB icon) is Displayed, Not the Default Track	<ol style="list-style-type: none">1. Check the USB stick. It may be damaged or missing.2. If the USB stick is present, check the files. If necessary, reload the MPEG2 files.



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