

MPEG4 Media Player

Users Guide



WARNING



TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. ALSO THAT THE UNIT IS POWERED USING AN APPROPRIATE RATED POWER SUPPLY.

Introduction

This documents describes the use of the MPEG4 Media Player a MPEG4 Video and Still Image media Player.

Document Classification

This Document/message is intended only for the use of the individual or entity to which it is addressed and contains information that is privileged and confidential. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify sender immediately by telephone (+44 (0)1296-469770) and destroy the original document/message

Disclaimer

Displaze is continually improving its products and reserves the right to change the details of this document without notice. Every effort has been made to ensure the accuracy of this document, however the manufacturer cannot accept responsibility for any loss or damage caused as a result of using this document.

Notice of any mistakes, inconsistencies or comments relating to this document would be gratefully received by fax to Displaze. All rights reserved. No part of this document may be reproduced, in any form or by any means, without the written permission of Displaze Ltd.

Revision History

Rev No.:	Date	Description	Checked	Approved	Prepared	Issue Date
13	27-05-05	Initial Release				

Specification

Max Resolution	720 x 480 pixels
Card Formats	CF I/II, SD, MS, MS-Pro
File Formats	ASF, AVI, JPEG, MJPEG, MPEG1, MPEG2, MP3, MPEG4, WMA, XVID
Outputs	RGB VGA, Component, S-Video, Stereo Audio
Controls	Compact IR Remote Control
Special Functions	Auto play, Card to Card Copy
Power	5V @ 2A Max.
Warranty	12 months
Weight	200g
Physical Size	110 x 80 x 16
Operating Temp.	+0° to +40°
Storage Temp	-20° to +60°
Humidity	0% to 95% non-condensing
Markings	Connector Label, Serial No.: Label
Approvals	CE, LVD for cased version only

Features



ASF, MP3, JPG, Motion-JPEG, MPEG-1, MPEG-2, MPEG-4 and AVI (DIV2, DIV3, DIV4, DIV5, DIVX, DX45, DX50, DXSB, RMP4 and XVID)



CF I/II, Micro drive, Smart Media, MMC, SD, MS or MS-Pro



NTSC or PAL Video Output



Composite (720 x 480) or S-Video Video Connection



Stereo Audio Connection



VGA Output



Autorun Slideshow



IR Remote Control



Compact Size and Low Power Consumption for Easy Integration



File Management & Card to Card copy

Description

The **MPEG4 Media Player** is a Multi Format Media Player. It is capable of playing Photos, Music and Video files. It offers a choice of output format types, list below, to suite most applications.

Background music files may be played whilst slideshows are being viewed.



The Infra Red remote control supplied with the unit provides a simple and easy to use interface for configuration and control.

RGB VGA

Allows connection to most standard PC monitors either CRT or LCD

Composite Video

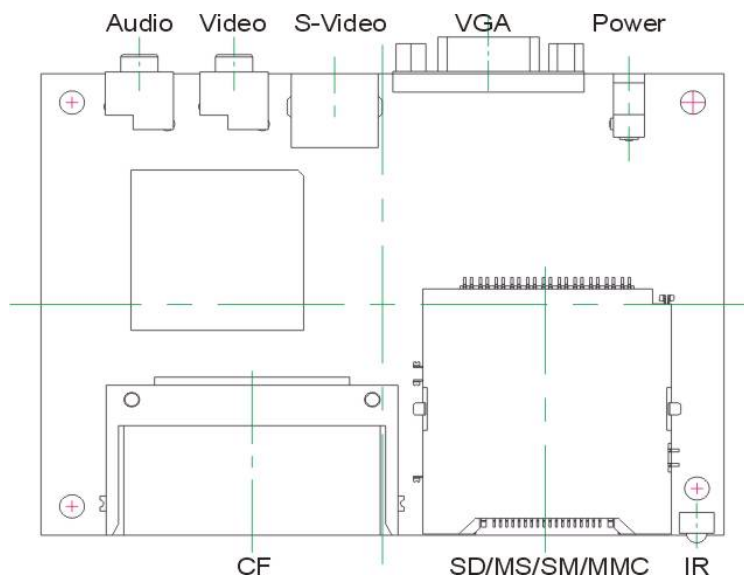
Suitable for connection to most standard AV equipment. This mode supports up to 720 x 480 pixel resolution and can be set to output either as NTSC, PAL or automatic select the format.

S-Video/Component

This is higher quality output than Composite Video that is typically found on higher quality AV equipment.

Connectors

The various connectors for the MPEG4 Media Player are illustrated below:-



Power

1.3/3.8mm Jack Socket, all-internal electronics are supplied with power via this connector.

Part No.	Pin No.:	Description
	1	5V
	2	GND

Analogue RGB Output

A high-density 15-way D-Type connector providing Colour and Sync signals to the LCD driver card. A high quality cable with 75 Ω individual screened video signal conductors and overall braided screen should be used to minimise interference.

Part No.	Pin No.:	Description
	1	Red
	2	Green
	3	Blue
	4	GND
	5	GND (DDC Return)
	6	GND – Red
	7	GND – Green
	8	GND – Blue
	9	NC
	10	GND – Sync/Self Test
	11	GND
	12	DDC Data
	13	H Sync.
	14	V Sync.
	15	DDC Clock

S-Video video output

Socket View

Part No.	Pin No.:	Description
	1	GND (Y)
	2	GND (C)
	3	Intensity (Y Luminance)
	4	Color (C Chrominance)

Composite video output

Part No.	Pin No.:	Description
	1	Composite Video
	2	GND

Audio Output

Part No.	Pin No.:	Description
	1	Left Channel
	2	Right Channel
	3	GND

Display Set-up

All Control of the MPEG4 Media Player is performed via the remote control unit supplied.



Key Name	Description
POWER	Turns ON/OFF the system
Zoom	Zoom (2x, 4x OFF)
Rotate	Rotate Image by 0, 90, 180, 270 degrees
SETUP	Setup Media Player Functions
OUTPUT	Toggle Output Channel (VGA, Composite Video, S-Video, Component Video)
Disp	Display current file information
Vol+/Vol-	Adjust Audio Volume
Up,Left,Right,Down	Move highlight bar on menu
Enter	Enter Location on Menu or Play file
>/	Play selected file
Stop	Stop current file playing
Mute	Mute Audio Output
Home	Return to first menu or file list
Info	Display current file information
T	Transition – toggle through transition modes
M	Music - select slideshow with background music
<<	Previous file
<<	
>>	
>>	Next File

Initial Set-up








1. Insert the memory card of your choice into the appropriate slot. If copying data from one card to another ensure both cards are inserted.
2. Connect the MPEG4 Media Player player to your chosen display device, apply power and ensure the green LED is illuminate
3. Press **OUTPUT** until the image appears with the correct colours and synchronized with the display. This button toggles the output format through S-Video, Composite Video, Progressive Scan Video, VGA RGB or Interlaced RGB. The image may appear to loose colour or wrapped around the screen if the incorrect output option is chosen for the display type connected.
4. Now that the display is correct press **SETUP** to configure the file and playing options.

Accessing the menu system

1. With the OSD off, push the **HOME** or **SETUP** buttons to activate the main OSD menu.
2. Use the **LEFT**, **RIGHT**, **DOWN**, **UP** and **ENTER** buttons to move from one line/function to another.
3. To return to the previous menu navigate the to **Exit Menu** bar and press **ENTER**.

Menus and Options

Setup Menu

	<p>Press SETUP to enter the configuration menus for the MPEG4 Media Player. This menu configures the specific options available for:-</p> <ul style="list-style-type: none"> PHOTO Setup MUSIC Setup MOVIE Setup SLIDESHOW Setup PREFERENCES Setup																				
	<div><p>Photo</p><table><tr><td>Thumbnail</td><td>On, Off</td></tr><tr><td>Transition</td><td>Fast, Slow</td></tr><tr><td>Orientation</td><td>Default, Ignore</td></tr></table></div> <div><p>Music</p><table><tr><td>Repeat</td><td>One, Off, All</td></tr></table></div> <div><p>Movie</p><table><tr><td>Repeat</td><td>Single, One Loop, Continuous</td></tr></table></div> <div><p>Slideshow</p><table><tr><td>Mode</td><td>Manual, Automatic</td></tr><tr><td>Folder Repeat</td><td>On, Off</td></tr><tr><td>Interval Time</td><td>1s, 3s, 5s, 10s</td></tr><tr><td>Transition</td><td>See detail menu for effects</td></tr><tr><td>Auto Start</td><td>On, Off</td></tr></table></div>	Thumbnail	On, Off	Transition	Fast, Slow	Orientation	Default, Ignore	Repeat	One, Off, All	Repeat	Single, One Loop, Continuous	Mode	Manual, Automatic	Folder Repeat	On, Off	Interval Time	1s, 3s, 5s, 10s	Transition	See detail menu for effects	Auto Start	On, Off
Thumbnail	On, Off																				
Transition	Fast, Slow																				
Orientation	Default, Ignore																				
Repeat	One, Off, All																				
Repeat	Single, One Loop, Continuous																				
Mode	Manual, Automatic																				
Folder Repeat	On, Off																				
Interval Time	1s, 3s, 5s, 10s																				
Transition	See detail menu for effects																				
Auto Start	On, Off																				

	<p>Preferences</p> <p>The preferences menu can only be entered when the media player is inactive. Press STOP prior to entering the setup menu to access Preferences.</p> <table><tr><td>TV Type</td><td>Multi-Sync, NTSC, PAL</td></tr><tr><td>Video Output</td><td>S-Video, Composite Video, Progressive Scan YPBPR, VGA RGB, Interlaced RGB</td></tr><tr><td>OSD Language</td><td>English, Chinese</td></tr><tr><td>OSD Messages</td><td>On, Off</td></tr><tr><td>Setup Values</td><td>Factory Default</td></tr></table>	TV Type	Multi-Sync, NTSC, PAL	Video Output	S-Video, Composite Video, Progressive Scan YPBPR, VGA RGB, Interlaced RGB	OSD Language	English, Chinese	OSD Messages	On, Off	Setup Values	Factory Default
TV Type	Multi-Sync, NTSC, PAL										
Video Output	S-Video, Composite Video, Progressive Scan YPBPR, VGA RGB, Interlaced RGB										
OSD Language	English, Chinese										
OSD Messages	On, Off										
Setup Values	Factory Default										
	<p>Exit</p> <p>Select this line and press ENTER to return to the previous menu.</p>										

Main Menu




































































	<p>If more than one memory device is inserted in to the MPEG4 Media Player this menu will appear.</p> <p>Select which memory device to use and press ENTER</p>
	<p>Photo</p> <p>JPG files will be visible under this selection</p>
	<p>Music</p> <p>MP3, MID, Wav files will be visible under this selection</p>
	<p>Video</p> <p>MPG, DATA, AVI files will be visible under this selection</p>
	<p>File</p> <p>All data files whether compatible with the MPEG4 Media Player will be visible under this selection</p>

Photo Menu


	<p>If this menu you are able to preview 9 images at a time and select specific images for viewing.</p>
	<p>>> </p> <p>Press this to make the folder play continuously or once only</p>
	<p>Zoom</p> <p>Enables you to zoom (2x, 4x OFF)</p>
	<p>Rotate</p> <p>Rotate Image clockwise by 0, 90, 180, 270 degrees</p>
	<p>M</p> <p>Press the M button to start slideshow. MP3 music from the memory card will be played as background music.</p>

	<p>T Press the T button to change the slideshow transition effects. You can choose from :-</p> <table> <tr> <td> Full Screen</td><td> Roll: Right to Left</td></tr> <tr> <td> Roll: Top to Bottom</td><td> Roll: Left/Right to Center</td></tr> <tr> <td> Roll: Bottom to Top</td><td> Roll: Center to Left/Right</td></tr> <tr> <td> Roll: Top/Bottom to Center</td><td> Roll: Implode</td></tr> <tr> <td> Roll: Center to Top/Bottom</td><td> Blind: Left to Right</td></tr> <tr> <td> Blind: Top to Bottom</td><td> Crossfade</td></tr> <tr> <td> Roll: Left to Right</td><td> Random</td></tr> </table>	 Full Screen	 Roll: Right to Left	 Roll: Top to Bottom	 Roll: Left/Right to Center	 Roll: Bottom to Top	 Roll: Center to Left/Right	 Roll: Top/Bottom to Center	 Roll: Implode	 Roll: Center to Top/Bottom	 Blind: Left to Right	 Blind: Top to Bottom	 Crossfade	 Roll: Left to Right	 Random
 Full Screen	 Roll: Right to Left														
 Roll: Top to Bottom	 Roll: Left/Right to Center														
 Roll: Bottom to Top	 Roll: Center to Left/Right														
 Roll: Top/Bottom to Center	 Roll: Implode														
 Roll: Center to Top/Bottom	 Blind: Left to Right														
 Blind: Top to Bottom	 Crossfade														
 Roll: Left to Right	 Random														
	<p>>> Next page of images</p>														
	<p><< Previous page of images</p>														


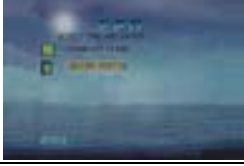



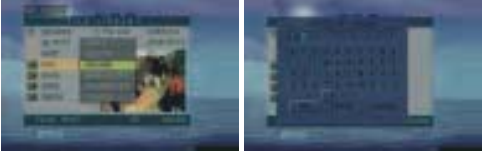
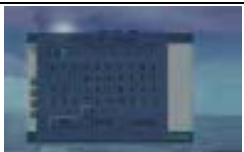
Music Menu

	Press ENTER to play file and view graphic equalizer.							
	<p>>> Repeat All files, Single Files or OFF</p>							
	<p>>> Play next file</p>							
	<p>Disp/Enter Toggle between file list and graphic equaliser</p>							
	<p>T Press the T button to change the equaliser setting to one of the following: -</p> <table> <tr> <td> Standard</td><td> Pop</td></tr> <tr> <td> Classic</td><td> Ballad</td></tr> <tr> <td> Jazz</td><td> Dance</td></tr> <tr> <td> Rock</td><td></td></tr> </table>	 Standard	 Pop	 Classic	 Ballad	 Jazz	 Dance	 Rock
 Standard	 Pop							
 Classic	 Ballad							
 Jazz	 Dance							
 Rock								

Video Menu

	<p>>> Next file</p>
	<p>Disp Display file information</p>

File Menu

	This menu allows you to preview all files and file information for all compatible file types
	This allows you to select which memory card to be the file source if more than one is inserted into the MPEG4 Media Player player
	<p>Select a file using the cursor arrows on the remote keypad. You can then access the file edit functions by pressing DISP button. This will then allow you to:-</p> <p>Copy, Delete, Rename, New Folder, Properties & Cancel</p> <p>Select the required function and press ENTER</p>
	<p>Copy This enables you to duplicate a file. COPY MODE will be displayed at the top of the screen.</p> <p>Use the cursor arrow keys to navigate to the target memory device/location in the right hand window. When the correct target location has been highlighted move to the right hand window.</p> <p>Select the source folder and press ENTER to copy file. Press STOP key to cancel COPY MODE.</p>
	<p>Delete Select to file to delete and press ENTER, a confirmation request will appear, select YES to delete file or NO to cancel and press ENTER</p>
	<p>Rename Select file for rename and press ENTER. A alphanumeric keypad will appear where you can create a new file name. When finished select either, OK to save file name, ERASE to clear file name or CANCEL will restore to original file name then press ENTER.</p>
	<p>New Folder Select location to create new folder and press ENTER. A alphanumeric keypad will appear where you can create a new file name. When finished select either, OK to save file name, ERASE to clear file name or CANCEL will restore to original file name then press ENTER.</p>
	<p>Properties This option will display file properties. Press ENTER to exit window.</p>

Note:

Most memory card formats are supported on the MPEG4 Media Player however not all memory cards are compatible. Please check compatibility in unit prior to final selection.

Recommended Use

Safety Precautions and Maintenance



FOR OPTIMUM PERFORMANCE, PLEASE NOTE THE FOLLOWING WHEN SETTING UP AND USING AN LCD MONITOR

- ❑ **DO NOT OPEN THE MONITOR.** There are no user serviceable parts inside and opening or removing covers may expose you to dangerous shock hazards or other risks. Refer all servicing to qualified service personnel.
- ❑ Do not spill any liquids into the enclosure or use the monitor near water.
- ❑ Do not insert objects of any kind into the ventilation slots or openings on the monitor as they may touch dangerous voltage points, which can be harmful or may cause electric shock, fire or equipment failure.
- ❑ Do not mount this product on insecure fixings, stands or tables, as the monitor may fall, causing serious damage to the monitor or injury.
- ❑ Do not place any objects on the monitor and do not use in applications other than for which it has been specified or approved.
- ❑ The inside of the fluorescent tubes located within the LCD monitor contains mercury. Please follow the bylaws or rules of your local regulatory authorities to dispose of the tube properly.

Immediately disconnect power from the monitor and refer servicing to qualified service personnel under the following conditions:-

- ❑ If liquid is spilled, or objects have fallen into the monitor
- ❑ If the monitor has been exposed to rain or water
- ❑ If the monitor has been dropped or damaged.
- ❑ If normal operation is not possible by following normal procedures
- ❑ If monitor is broken



IF THE LCD IS DAMAGED DO NOT COME IN TO CONTACT WITH THE LIQUID CRYSTAL FLUID



IF GLASS IS BROKEN, HANDLE WITH CARE



CORRECT PLACEMENT AND ADJUSTMENT OF THE MONITOR CAN REDUCE EYE, SHOULDER AND NECK FATIGUE. CHECK THE FOLLOWING WHEN YOU POSITION THE MONITOR



- ❑ For optimum use allow 20 minutes to warm-up.
- ❑ Adjust the monitor height so that the tip of the screen is at or slightly below eye level. Your eyes should look slightly downward when viewing the middle of the screen.
- ❑ Position your monitor no closer than 40cm and no further away than 70cm from your eyes. The optimal distance is 58cm.
- ❑ Rest your eyes periodically by focussing on an object at least 6m away, Blink Often.
- ❑ Position the monitor at a 90° angle to the windows or light sources to minimise glare and reflections. Adjust the monitor Tilt so that ceiling lights do not reflect on your screen.
- ❑ If reflected light makes it hard for you to see your screen, use an antiglare filter.
- ❑ Clean the LCD monitor surface with a lint free, non-abrasive cloth. Avoid using any cleaning solution or glass cleaner.
- ❑ Adjust the monitor's brightness and contrast controls to enhance readability.
- ❑ Use a document held placed close to the screen.
- ❑ Position whatever you are looking at most of the time (the screen or reference material) directly in front of you to minimise turning your head while you are typing.
- ❑ Avoid displaying fixed patterns on the monitor for long periods of time to avoid image persistence (after-image effects).
- ❑ Get regular eye checkups.

Ergonomics

To realise the maximum ergonomic benefits, we recommend the following:-

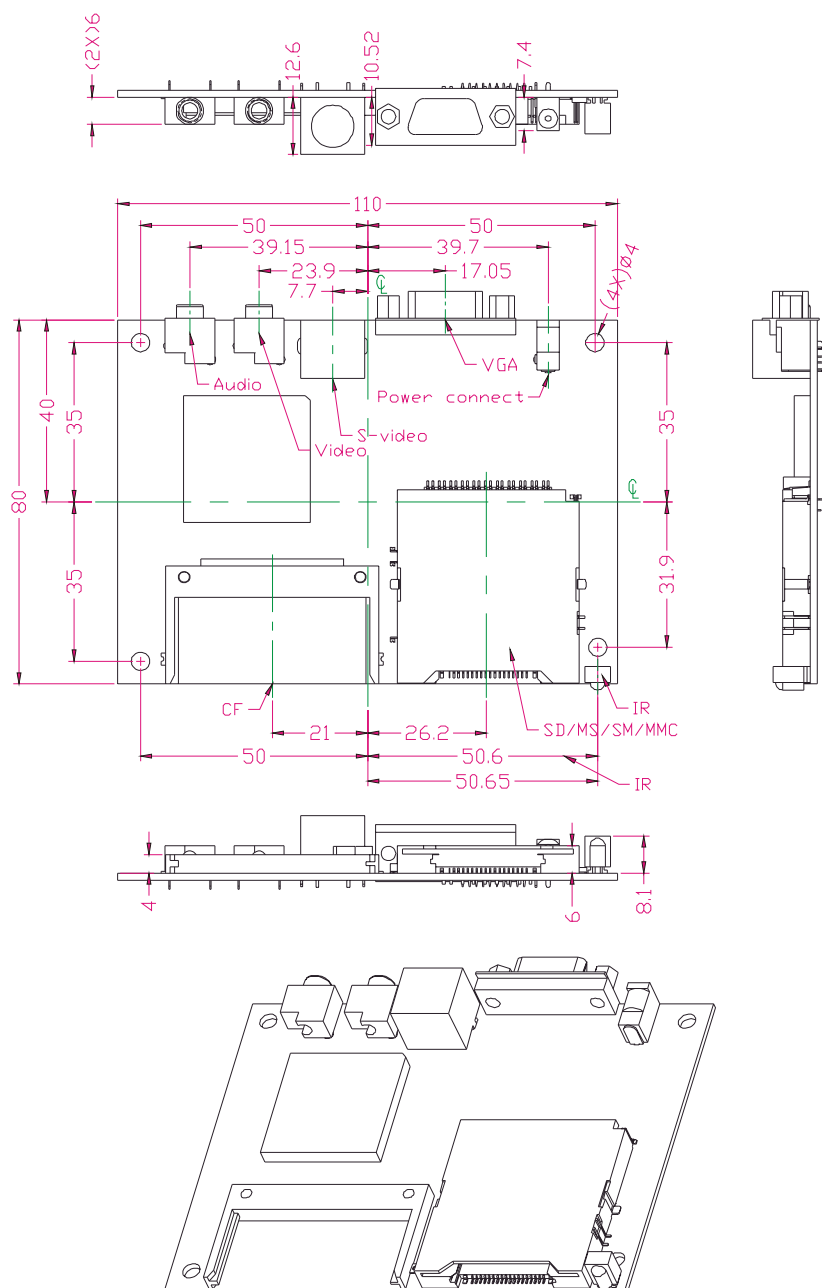
- ❑ Adjust brightness until the background raster disappears.
- ❑ Do not position the contrast control at its maximum setting.
- ❑ Use the panel preset size and position controls with standard signals.
- ❑ Use the preset colour setting.
- ❑ Use non-interlaced signals with a vertical refresh rate between 60-75Hz.
- ❑ Do not use primary colour blue on a dark background, as it is difficult to see and may produce eye fatigue due to insufficient contrast.

Packing List

Part No.:	Description	O = Included X = Optional
MPEG4	MPEG4 Media Player multi-output driver card	O
RC-610	IR Remote Control	O
MPEG4-CABA	Stereo Audio Cable, Jack plug to RCA Phono	O
MPEG4-CABV	Composite Video Cable, Jack to RCA Phone	O
CFLASH-512	512MB Compact Flash Card	x
CFLASH-256	512MB Compact Flash Card	x
PSU-MPZ	10W PSU, 5V @2A, 110V to 240V 1.3/3.8Jack IEC 320 (C13) socket	x
PSU-MPZLCD	5V/12V Dual Output 25W PSU, 1.3/3.8Jack IEC 320 (C13) socket	x

Appendix A

Mechanical Dimensions



Electrical Characteristics

Item	Symbol	Condition	MIN.	TYP.	MAX.	Unit
Supply Voltage		-----		5		Vdc
Current Consumption					2	A
Notes :						