

# 7" Video Screen

Manual v1.1



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## Contents

Contents .....	2
1. What is the 7VS.....	3
2. Features .....	3
3. In the Box.....	5
4. Setup Instructions.....	6
4.1 Connect Speakers .....	7
4.2 Connect Buttons .....	7
4.3 Insert SD Card .....	7
5. Formats.....	8
5.1 Optimal Playback .....	9
6. Remote Control .....	9
6.1 Remote Control Buttons .....	10
6.2 Factory Reset .....	10
7. Programming Content .....	11
8. Reformatting Instructions.....	12

## Thank you for purchasing the 7" Video Screen

The 7" Video Screen is one of a range of products we offer specific to the heritage marketplace. We are confident that we have other products you will find useful and look forward to dealing with you again soon.

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## 1. What is the 7VS

7VS is an all in one digital media player and screen. It's used to display and distribute media communication, videos and images in a small compact manner. Thanks to the open frame design and inbuilt mounting wings it can be built into signage or other such installations. The 7VS supports a wide range of digital media files which are stored on an SD Card. A remote is also supplied for easy player control, it can be looping or up to 8 button activated.

## 2. Features

Media Format Compatibility	<b>Image:</b> Jpeg, BMP <b>Audio:</b> MP3, WMA, AAC, OGG <b>Video:</b> MPEG-1, MPEG-2, AVI
Media Storage and Playback Source	High Speed Compact Flash (CF) Card High Speed Secure Digital (SD) Card USB 2.0 Drive (Thumb Drive/Flash Drive)

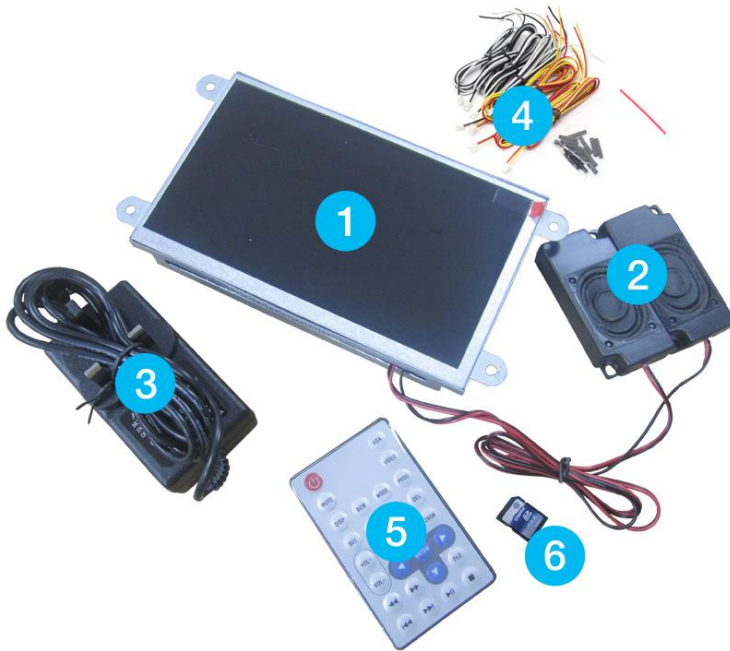
Playback Modes	Video Audio images
On-Screen Display Languages	English Chinese Japanese
Image Slideshow Playback	<p><b>Picture Rotation</b> Portrait-Vertical or Landscape-Horizontal</p> <p><b>Slideshow Transitions</b> 14 Different transition effects Slide intervals: 1 to 60 seconds</p>

If you need to reformat any files we recommend 'Format Factory'.  
This can be downloaded for free here:

<http://www.pcfreetime.com/>

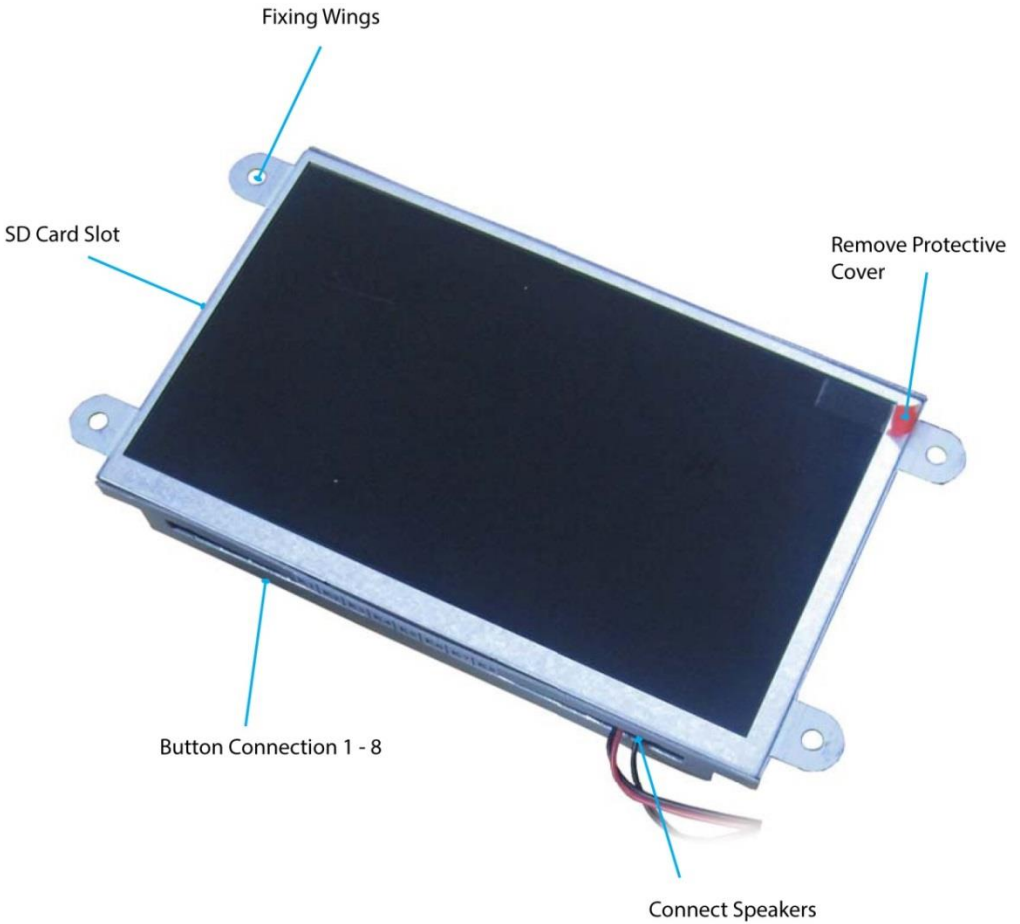
See more in the 'Reformatting Instructions' section.

### 3. In the Box



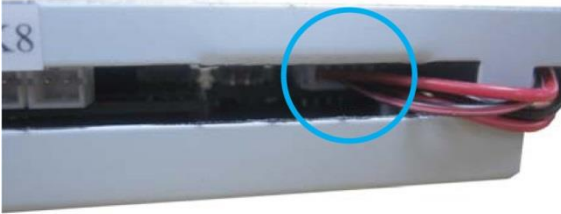
1. 7" Screen and Player
2. Speakers
3. Power Supply
4. Button Cables
5. Remote Control
6. SD Card

## 4. Setup Instructions



#### 4.1 Connect Speakers

The 7VS is supplied with 2 x stereo speakers; these are connected on the underside of the device to the far right, as displayed below;



#### 4.2 Connect Buttons

If you wish to use button activated content then attach the required amount of buttons using the button wires supplied to the appropriate button inputs as displayed below;



#### 4.3 Insert SD Card

See 'Programming Instructions' for information on how to program your SD Card. Once programmed place it face down in the slot located on the left of the 7VS as displayed below;



## 5. Formats

An SDHC Card is used as the storage medium for the 7VS. The card must be formatted to FAT32.

### Converting your video content

Before putting the content onto the SD Card it needs to be in the right format as listed below, for reformatting instructions see 'Reformatting' section.

Video	Category	Codec/FourCC	Max Res	Max Bitrate
	MPEG1 MPEG2	MPEG1 MPEG2	1920x1080 30fps	10M
	AVI			
Photo	Sub Type	Codec	Max Res	Size
	JPG Baseline	YUV400 YUV420 YUV422 YUV440 YUV444	8000x8000	No Limit
Audio	Category	Codec	Sample Rate	Bitrate
	MP2 MP3 PCM(wav) AC3 WMA	MP2 MP3 PCM(wav) AC3 WMA	8-320Khz	32Kbps - 448kbps



## 5.1 Optimal Playback

### Image Playback

For optimal image playback we recommend images be 1080x608 pixels at 300DPI and saved as a jpeg.

### Video Playback

For optimal video playback it is recommended that your video is 1920x1080 pixels and runs at a frame rate of 30 frames per second in AVI format.

### Audio Playback

For optimal audio playback it is recommended that your audio file is of MP3 format and has a bitrate of 44.1Khz.

## 6. Remote Control






A remote control is supplied with the 7VS, this enables you to set a range of functions which are explained over the next few pages.

To access the menu press the 'setup' button on the remote, press this again to exit.

If the 7VS is currently playing content you may need to press the 'stop' button before entering the setup menu, otherwise a number of options may be greyed out and unable to be activated.



## 6.1 Remote Control Buttons

 MUTE VGA VIDEO DISP BGM MODE PROG BCC RETURN COPY DEL VOL+ VOL- SETUP ZOOM FILE	<p><b>Power</b> on/off</p> <p><b>Mute</b> volume on/off  <b>VGA:</b>1280x720 output (factory settings:VGA 640x480)  <b>Video</b> output: Fpr YPbPr and CVBS selection  <b>Displays</b> current time top right of screen  <b>Background</b> music on/off  <b>Mode:</b> All play/Folder play/Single play (Default: All play)  <b>At</b> stop status: Set 'program play' max 20 files selected  <b>Set</b> A to B player  <b>At</b> stop status press to go to 'play list' screen  <b>Copy</b> from USB/SD to CF or built in memory  <b>At</b> stop status in file list select files to be deleted  <b>Increase</b> volume  <b>Decrease</b> volume  <b>Enter</b> setup menu  <b>Picture/Photo</b> zoom in or out  <b>List</b> all files in card</p>
 	<p><b>Menus</b> navigation buttons</p> <p><b>Rewind/Fast-forward</b> 2x, 4x, 6x, 8x  <b>Previous/Next</b> file</p>
 	<p><b>Play/Pause</b></p> <p><b>Stop</b>, return to file list</p>

## 6.2 Factory Reset

To perform a factory reset (return all settings to their original options) simply do the following;

Preferences > Defaults > Reset

## 7. Programming Content

Once you have edited and converted your video or images into the correct format you will need to put them onto an SDHC card. The way you store content will determine how it is activated.

1. The included SD Card is a pre-loaded template. If you are not using a button you must delete the File associated with it. To use other SDHC cards make sure they are formatted to FAT32 first, then create the appropriate filenames.

2. Each file is associated with a button the 'F' at the beginning needs to be a capital as the player is case sensitive.

F0000 - Looping (content plays automatically on startup)

F0100 - Button 1

F0200 - Button 2

etc.

3. Put your converted video files in the root.

Within the above configuration the player will play: video

F0000.mpg as the loop. If button 1 is pressed it will play F0100.mpg.

After F0100.mpg has finished F0000.mpg will resume.



**Note: The loop is designed to be used for creating an attractor screen (image/video).**

If you are using your screen in portrait orientation you can rotate images to view in this orientation.

Setup > Picture Setup > Rotate Picture > Rotate

## 8. Reformatting Instructions

If your video content isn't in the correct format to play on the 7VS then you will need to reformat it as follows;

### Step 1) Download Format Factory

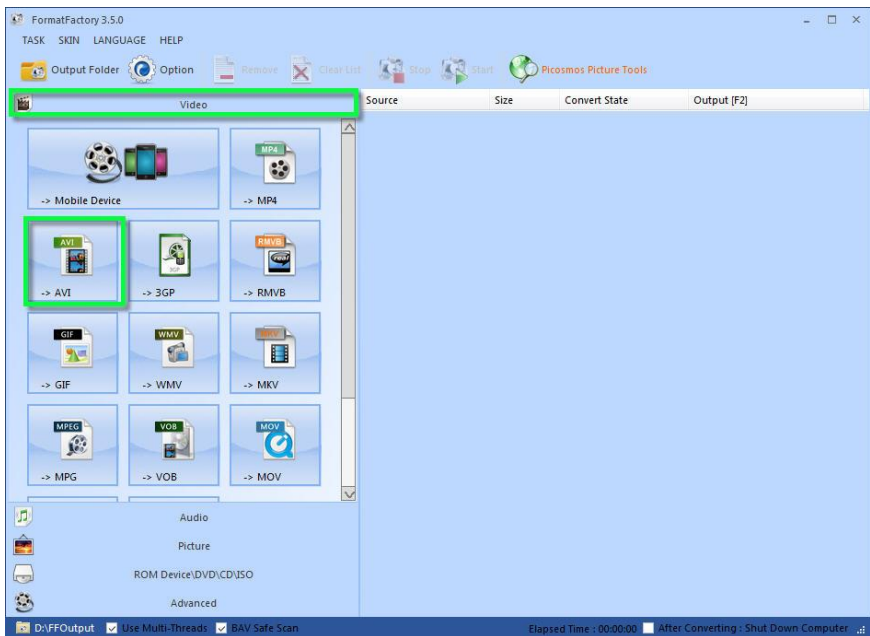
Format Factory is a free convertor tool for Windows - it can be downloaded from here;

<http://www.pcfreetime.com/>

### Step 2) Run the program and select 'Video -> AVI'

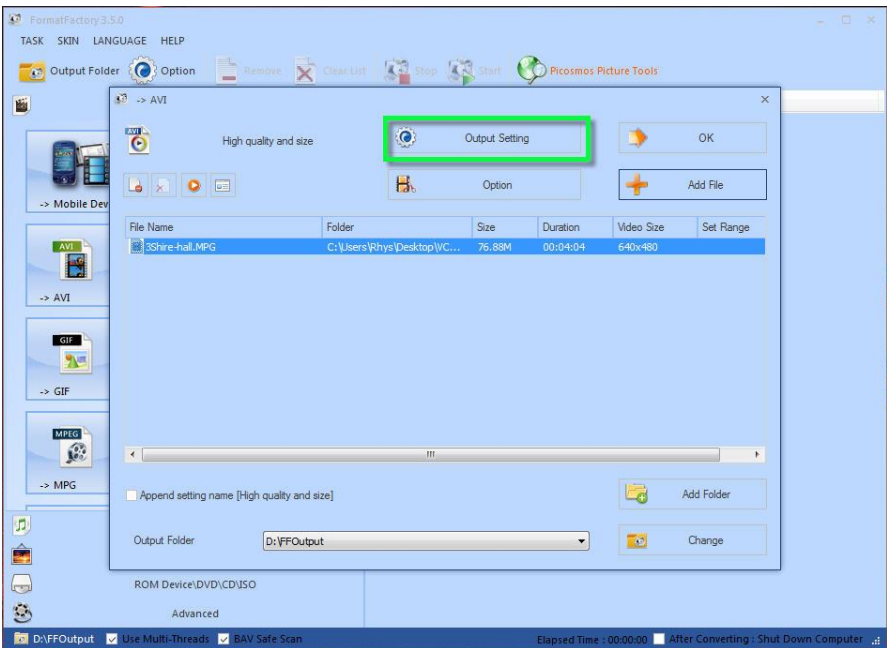
This will convert your video files to AVI.

### Step 3) Load in your files



Drag and drop the files you wish to convert then select 'Output Settings'.

#### Step 4) Select XVID 720p



Select XVID 720p from the dropdown then set the other options;

**Video Encode:** MPEG4(Xvid)

**Video Size:** 720x480

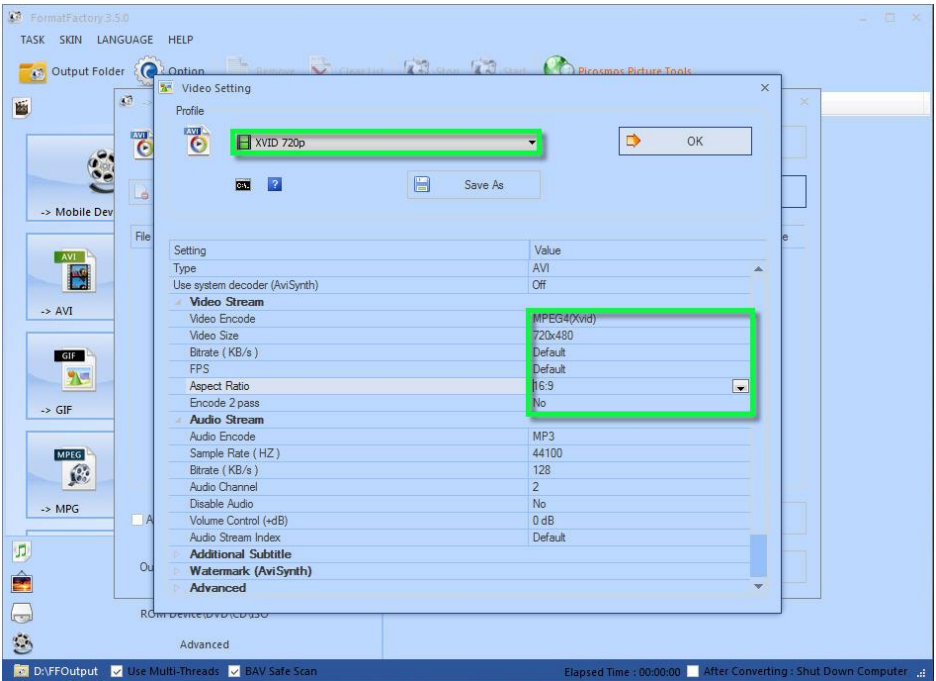
**Bitrate:** Default

**FPS:** Default

**Aspect Ratio:** 16:9

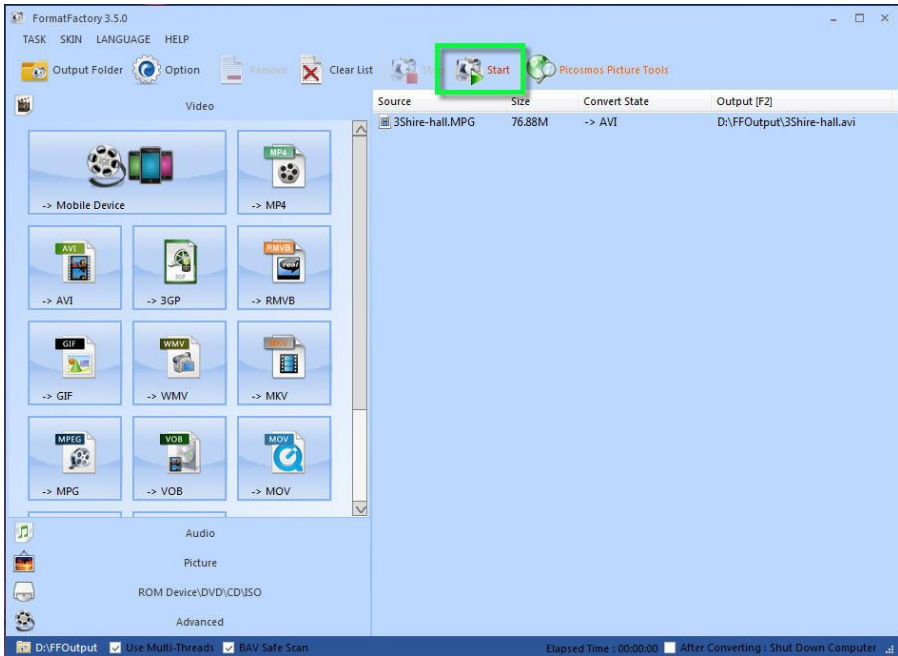
**Encode 2 pass:** No

Click 'OK' then 'OK' again on the next screen.



### Step 5) Start the Conversion

To begin conversion click 'Start' as shown below;



The converted files will be stored in the folder where the original files are located (unless otherwise set).

Use these converted files as explained in section 7. Programming Content.