

22" Video Screen

Manual v1.3



Nov 2017

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Thank you for purchasing the 22" Video Screen

The 22" 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 22VS

22VS 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 22VS 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 use up to 12 buttons to activate content or other functions such as volume.

2. Features

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

Playback Modes	Video Audio Picture with background music
On-Screen Display Languages	English Chinese Japanese
Image Slideshow Playback	Picture Rotation Portrait-Vertical or Landscape-Horizontal Slideshow Transitions 14 Different transition effects Slide intervals: 1 to 60 seconds

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

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

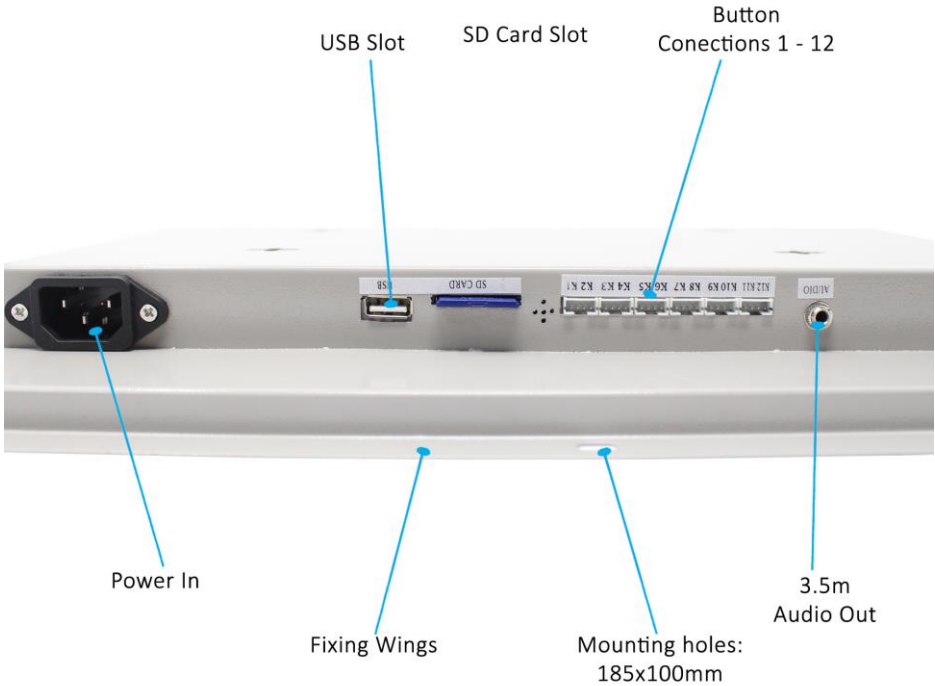
See more in the 'Reformatting Instructions' section.

3. In the Box



1. 21.6" Screen and Player
2. Power Supply
3. Button Cables
4. Remote Control
5. Cable Connectors
5. SD Card

4. Setup Instructions

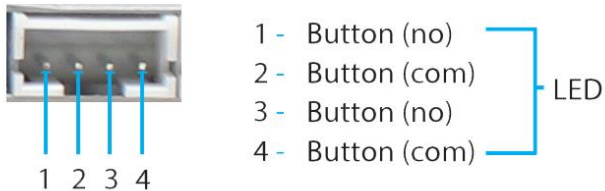


4.1 Connect Speakers

The 22VS is supplied with 2 inbuilt speakers located in the rear. There is also an audio out cable which can be connected in the base of the unit (see previous image).

4.2 Connect Buttons

If you wish to use button activated content or allow user volume control attach the required amount of buttons using the button wires supplied to the appropriate input. Wire the buttons as displayed below;





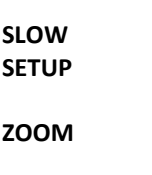
4.3 Insert SD Card or USB

See Programming Instructions for information on how to program your SD Card or USB. Once programmed place them in the appropriate slots as shown in image on previous page..

4.4 Mounting the screen

The Screen can be mounted via the fixing holes located around the frame or via the mounting holes located on the rear.

5. Remote Control

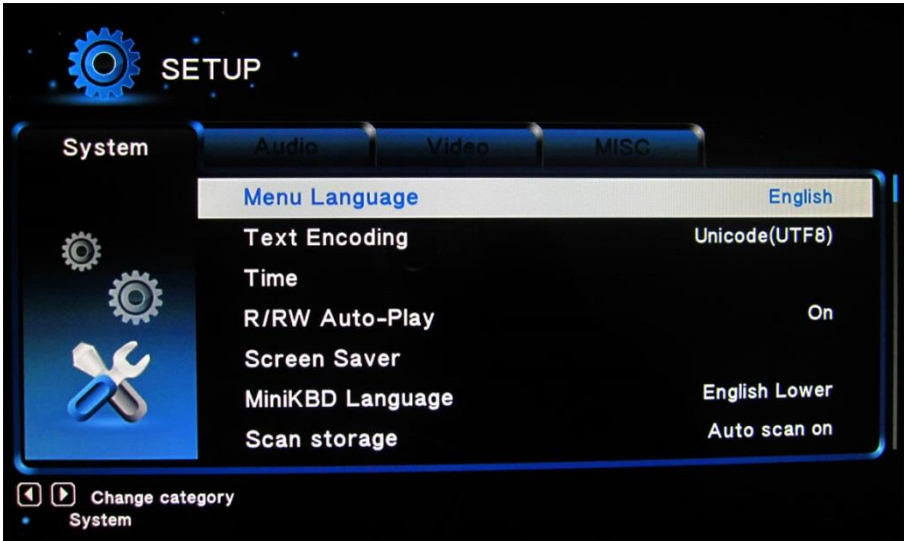
	<p>Power: Press to power VC-HD on/off.</p>
<p>INFO</p>	<p>Press to view information for content currently playing.</p>
<p>MUTE</p>	<p>Press to mute audio output, press to unmute.</p>
	<p>Press to play content in corresponding folder (folder 1, 2, 3 etc.)</p>
<p>REPEAT</p>	<p>Press while video file is playing to select repeat options, repeat all, repeat title, repeat off</p>
<p>TIME SEEK</p>	<p>Press to jump to specific time point on video.</p>
<p>TV MODE</p>	<p>Press to switch between NTSC Interlaced, NTSC Progressive, PAL Interlaced and PAL Progressive.</p>
<p>HOME</p>	<p>Press to open main menu and access File Manager, Movies, Music, Photo and System Setup.</p>
<p>MENU</p>	<p>Press to access filetype menu settings, i.e when video plays you access video settings, when images are playing you access slide options.</p>
<p>SLOW SETUP</p>	<p>This button has been disabled for the VC-HD</p>
<p>SETUP</p>	<p>Press this to access core system settings - System, Audio, Video, Misc.</p>
<p>ZOOM</p>	<p>Press to zoom in/out when playing photos or video</p>
	<p>Navigation: Press to navigate menus</p>
<p>VOL +/-</p>	<p>Press to increase/decrease volume levels</p>
<p>AUDIO</p>	<p>Press to display video audio track information</p>
<p>SUBTITLE</p>	<p>Press to activate subtitles if available</p>
<p>RESUME</p>	<p>Press to resume play</p>
<p>ANGLE</p>	<p>This button is disabled on the VC-HD</p>
<p>PAUSE</p>	<p>Press to pause playback</p>

RETURN STOP << >> << >>	Press to return to previous navigation menu Press to stop playback Press to fast forward or rewind current file Press for previous or next file in list
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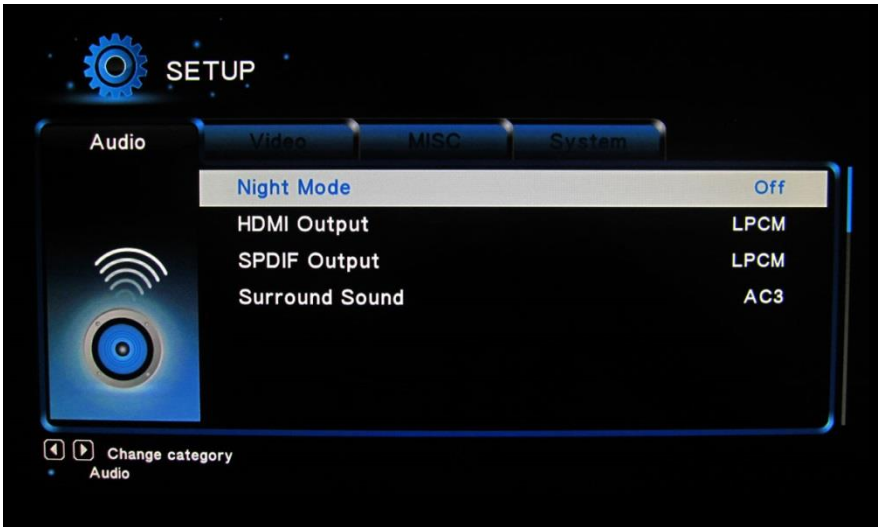
6. Settings Options

Using the Remote Control you can access a number of settings options for the 22" Screen by pressing the '**Setup**' button. Here you have access to 'System, Audio, Video and Misc' settings. Navigate between options using the '< ^ > v ok' buttons.

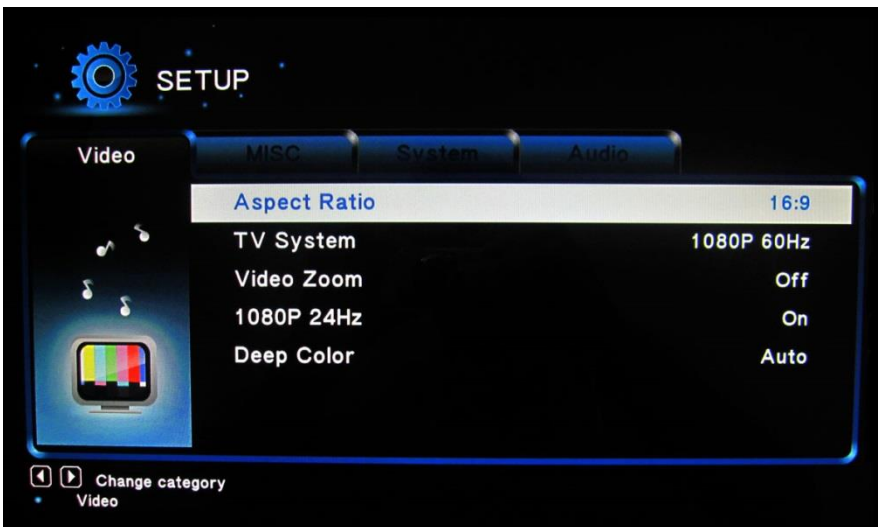
SYSTEM



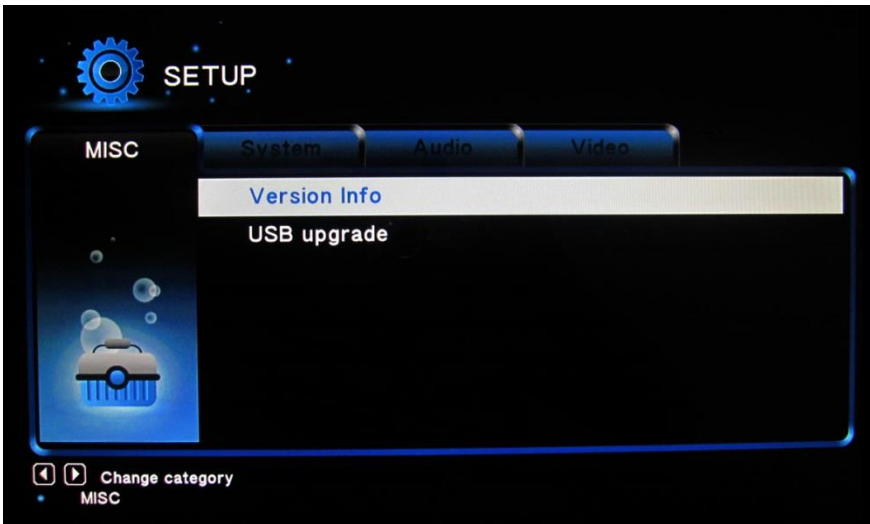
AUDIO



VIDEO



MISC



7. Additional Video & Slideshow Options

To access additional Video & Slideshow options the player must be currently playing either a video (for video options) or image (for slideshow and image options). Whilst playing either a video or image press the 'Menu' button.

SLIDESHOW

Here you can access slideshow options including repeat, transition and timing;

Repeat - Set repeat mode: Off/all/shuffle

Slide Timing - Set length of time each slide is displayed: 2/5/10/30 seconds

Slide Transition - Set transition mode: Shuffle all / flip / quartet / slide / centre extend / 2D 3D expand / dissolve / fade in out / cross fade kenburn



VIDEO

Here you can access video options, including subtitle, audio, repeat options and video settings;

Repeat - Set repeat mode: All/off/title (Title repeats first video in folder only)

Video Settings - Set video brightness/contrast/saturation/hue

NOTE: *These settings will be saved on your SD card or USB stick in a '.part' file and '.Theatre' folder created by the VC-HD. If this file is deleted or new content is added these settings will be reset.*



8. Content Activation Options

The 22" Screen can play video, audio and image filetypes. These can be set to play in a looping fashion (requiring no user input) or can be button activated in a number of ways;

LOOPING

The 22" Screen can be set to play a slideshow or video(s) in a constant looping fashion, this requires no user input or button activation it will simply loop through content upon startup.

BUTTON ACTIVATION

The 22" Screen can play video, images or audio upon a button press. This is achieved by programming the buttons to perform a number of actions;

Play file / play folder / next / previous / volume up / volume down / mute

Inputs are programmed via a text file in conjunction with content placed into specific folders; see the programming section for more information.

9. Programming Content

The 22" Screen is a High Definition content player, video and images should be in HD with a resolution of 1920x1080. It has been designed to make programming easy whilst offering flexibility in activation options. To program your 22" Screen you will need;

- 1) SDHC card or USB stick (formatted to FAT32)
- 2) Content in a supported file format (see 2. SUPPORTED MEDIA FORMATS)
- 3) A PC or laptop with Windows OS (Mac not supported)

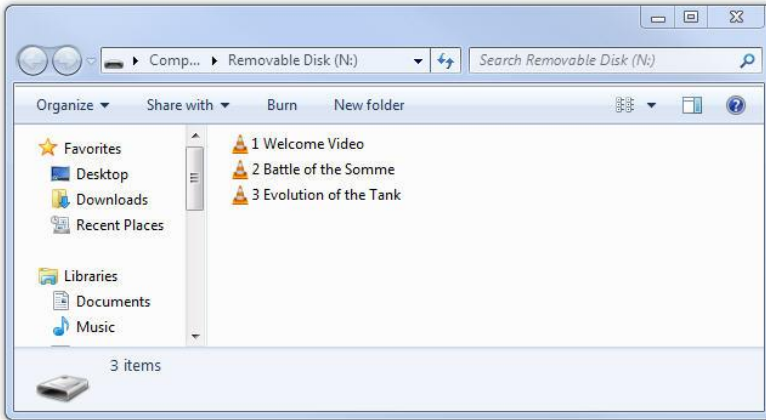
Looping

The 22" Screen plays content stored in the root of the storage device on a constant loop as standard. Content is played in name order i.e 01 -> 02 -> 03.

The 22" Screen can loop video, images or audio if there is a mixture of content it will play video -> image -> audio in that order, no matter the filename.

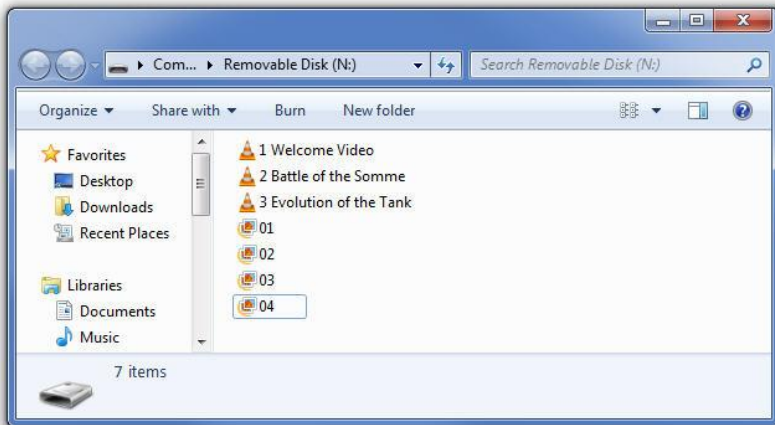
(This means that video files titled 04, 05, 06 will play before image files titled 01, 02, 03)

LOOPING EXAMPLE 1: LOOPING VIDEO



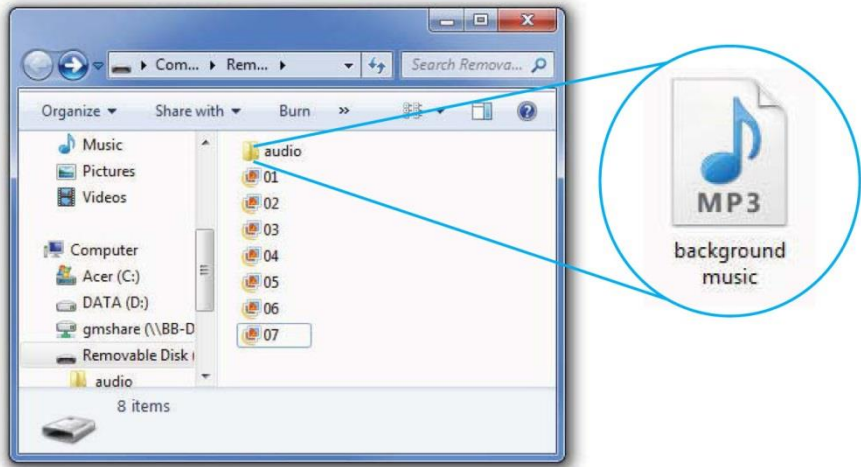
With this configuration the player will loop constantly through all videos in the following order: 1 Welcome Video -> 2 Battle of the Somme -> 3 Evolution of the Tank -> 1 Welcome Video.... and so on.

LOOPING EXAMPLE 2: LOOPING VIDEO & IMAGES



With this configuration the player will loop constantly through all videos and then all images in the following order: 1 Welcome Video -> 2 Battle of the Somme -> 3 Evolution of the Tank -> 01 -> 02 -> 03 -> 04 -> 1 Welcome Video... and so on.

LOOPING EXAMPLE 3: IMAGES WITH AUDIO



With this configuration the player will loop constantly through all images, it will also play the audio file located in the folder 'audio' as background music. The audio will restart with the slideshow (i.e after the final slide is shown and the slideshow begins again).

For more slideshow options view '[7.Additional Slideshow and Video Options](#)'

Button Activation

The 22" Screen can be programmed to play content upon button activation in a number of different ways, the looping function also allows the creation of an attracter screen which will loop until a button is activated. The available button options are;

- 1) Push to play single file
- 2) Push to play folder (a collection of files in order)
- 3) Push for next file
- 4) Push for previous file
- 5) Push to put volume up
- 6) Push to put volume down
- 7) Push to mute volume
- 8) Uninterruptible or interruptible playback (unable to trigger again during play)

Buttons are programmed using an 'autoplay.txt' file that is added to the SDHC or USB storage device along with your content. There are templates available under 'Test Content' on our support page at:

www.blackboxav.co.uk/support

A configuration file will appear as follows (create a .txt file by right clicking on desktop > new > text document):

```

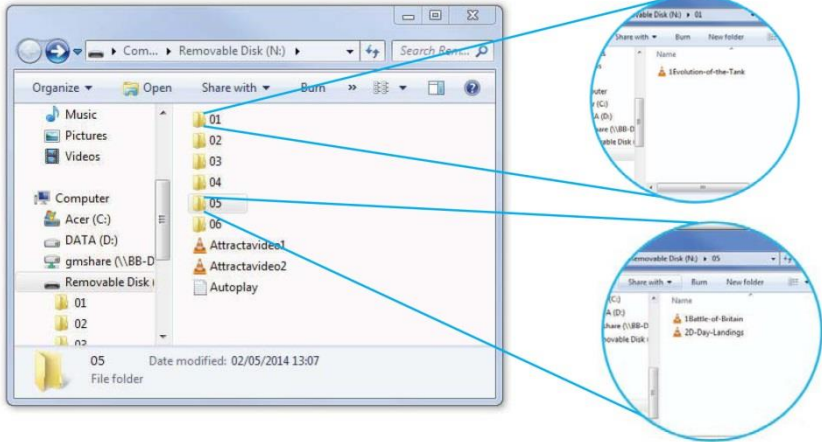
irmode=1           (puts the VC-HD in button mode)
01=01/            (button 1 plays all files in folder '01')
02[n]=02/video1.mpg (button 2 plays specific video in folder '02')

NEXT=3           (button 3 plays next file)
PREV=4           (button 4 plays previous file)
vol_plus=5       (button 5 puts volume up)
vol_minus=6      (button 6 puts volume down)
MUTE=7           (button 7 mutes volume)

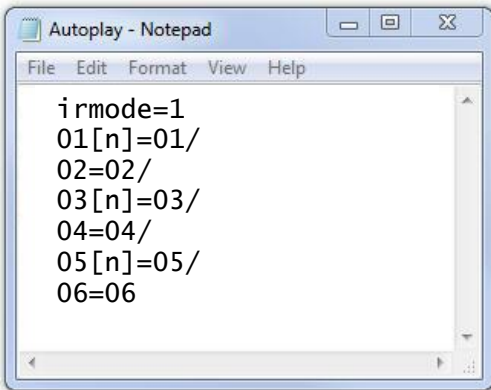
```

Note: The [n] in '02n=02/video1.mpg' makes that activation uninteruptible.

BUTTON EXAMPLE 1: 6 BUTTON - VIDEOS & ATTRACTA VIDEOS



The above content will loop through 2 videos 'AttractaVideo1' and 'AttractaVideo2' until a button is pressed, the following 'Autoplay.txt' file assigns actions to 6 buttons;



Puts the VC-HD in button mode

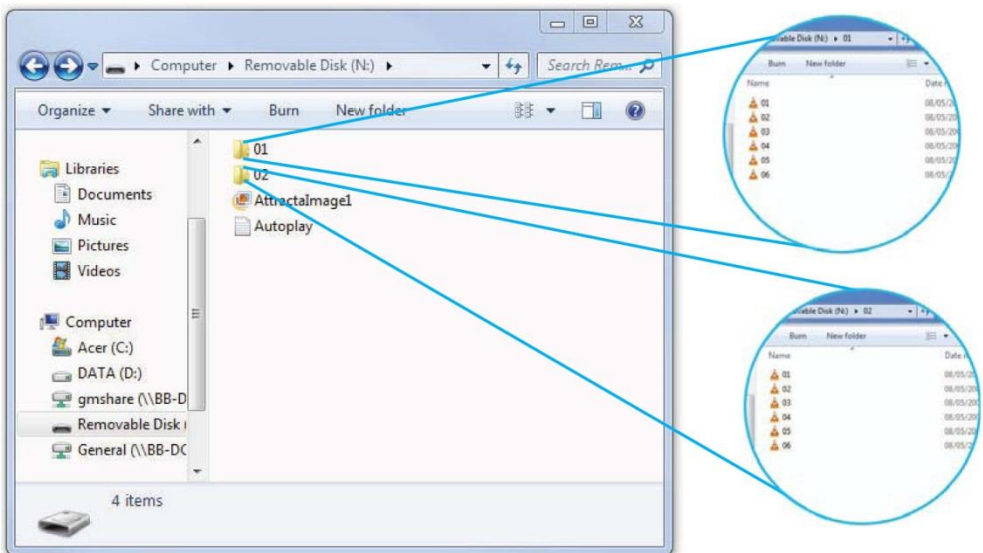
- Button 1 plays folder '01'
- Button 2 plays folder '02'
- Button 3 plays folder '03'
- Button 4 plays folder '04'
- Button 5 plays folder '05'
- Button 6 plays folder '06'

01, 03, and 05 are uninterrupted [n].

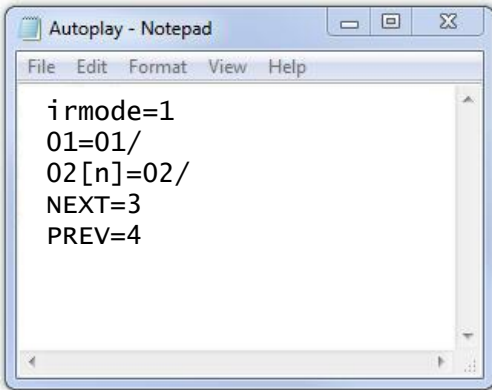
The above 'Autoplay.txt' allows each button to play all files in assigned folder. Folders '01, 02, 03, 04, 06' contain a single video file i.e '1Evolution-of-the-Tank' pressing button 1 will play this file then return to the attracta screen videos.

Folder '05' has two video files '1The-Battle-of-Britain' and '2D-Day-Landings', pressing button 2 will play both files before returning to attracter screen videos.

BUTTON EXAMPLE 2: 4 BUTTON - 2 FOLDERS + NEXT/PREV CONTROL



The above content will display a single image 'Attractaimage1' until a button is pressed, the following 'Autoplay.txt' file assigns actions to 4 buttons;



```

irmode=1
01=01/
02[n]=02/
NEXT=3
PREV=4

```

Puts the VC-HD in button mode

Button 1 plays folder '01'

Button 2 plays folder '02'

Button 3 plays next file

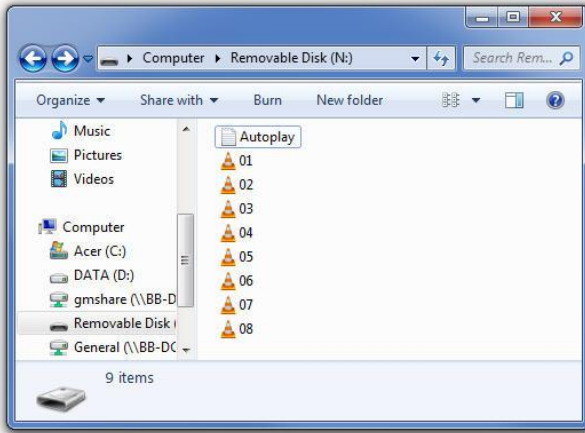
Button 4 plays previous file

02 is uninterruptible

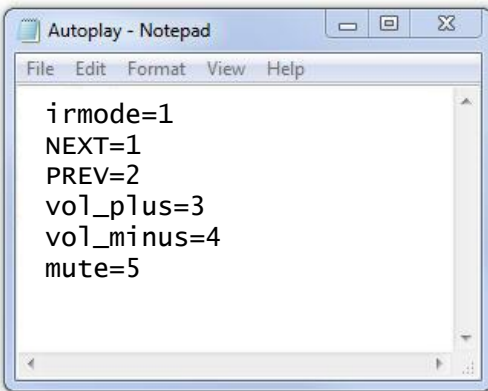
Folder '01' and folder '02' both contain 6 video files each. The above 'Autoplay.txt' assigns button 1 to folder '01' and button 2 to folder '02'.

Once buttons 1 or 2 are pressed the first video file in the corresponding folder will play. Pressing button 3 will cycle to the next video, button 4 will cycle to the previous. Once the final video in the folder has been played the 22" Screen will return to the attracter image.

BUTTON EXAMPLE 3 - 5 BUTTON, VIDEOS ON CONSTANT LOOP WITH NEXT/PREV/VOL+/VOL-/MUTE



This content will loop constantly through each video file '01 - 08' unless 'next/prev' button is pressed;

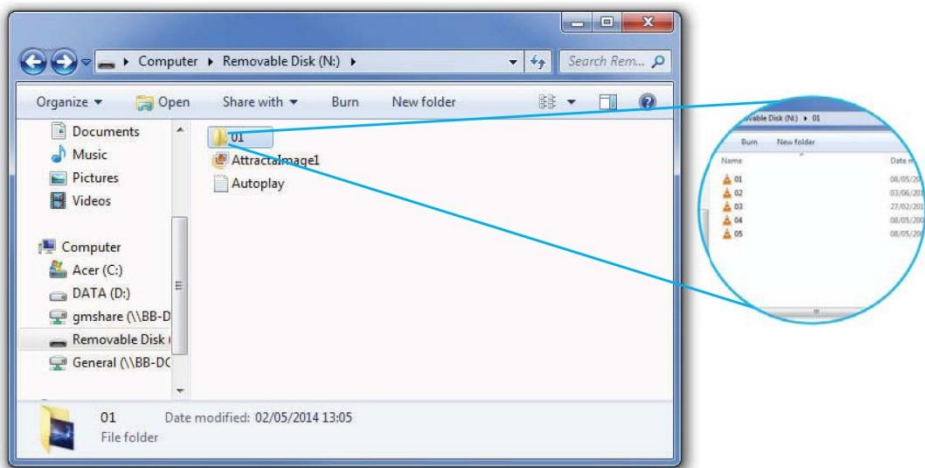


Puts the VC-HD in button mode
Button 1 plays next file
Button 2 plays previous file
Button 3 increases volume
Button 4 decreases volume
Button 5 mutes volume

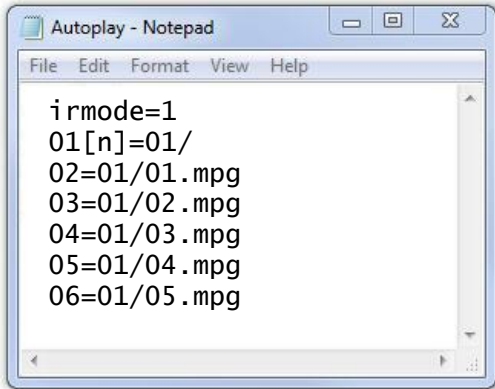
This 'Autoplay.txt' assigns 'NEXT' and 'PREVIOUS' commands to button 1 and 2. The 22" Screen will continually loop through each video until these buttons are pressed.

Button 3 and 4 adjust the volume while button 5 will mute and unmute the player.

BUTTON EXAMPLE 4: PLAY ALL / 5 INDIVIDUAL FILES



The above content will display a single image 'AttractImage1' until a button is pressed, the following 'Autoplay.txt' file assigns actions to 5 buttons;



Puts the VC-HD in button mode

1 plays all files in folder '01'

2 plays file '01' in folder '01'

3 plays file '02' in folder '01'

4 plays file '03' in folder '01'

5 plays file '04' in folder '01'

6 plays file '05' in folder '01'

01 is uninterruptible, once pressed all content will play before another button can be used.

This 'Autoplay.txt' assigns folder '01' to button 1, essentially becoming a 'PLAY ALL' button, when pressed the player will display each video in sequence then return to the attracter screen.

Buttons 2 - 6 have been assigned to **specific video** files within folder '01', when pressed only that video will play before the VC-HD returns to the attracter screen.

NOTE: *When assigning specific files to a button the full filename including filetype must be used i.e 'video1.mpg' not simply 'video1'.*

For additional help please contact us:

www.blackboxav.co.uk/support

Tel: +44 (0)1639 874 100

Email: sales@blackboxav.co.uk