

# 15" Video Screen

Manual v1.3



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## Thank you for purchasing the 15" Video Screen

The 15" 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.

**T:** +44 (0)1639 874100 | **W:** [www.blackboxav.co.uk](http://www.blackboxav.co.uk)

## 1. What is the 15VS

15VS 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 15VS 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 of which 2 can be volume buttons if so desired.

## 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 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	<b>Picture Rotation</b> Portrait-Vertical or Landscape-Horizontal <b>Slideshow Transitions</b> 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. 15.6" Screen and Player
2. Power Supply
3. Button Cables
4. Remote Control
5. Cable Connectors
6. SD Card

## 4. Setup Instructions



#### 4.1 Connect Speakers

The 15VS 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 (circled in the image below).

The unit comes with internal speakers as standard, but can have an audio out on request at the time of ordering or can be sent back to us for modification.

#### 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 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 15VS as displayed below;



## 5. Remote Control

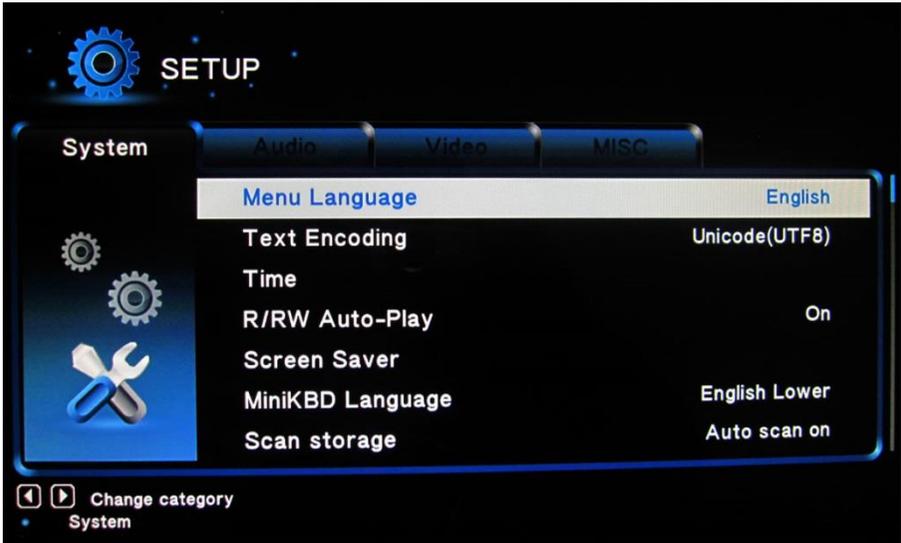
 <b>INFO</b>	<p><b>Power:</b> Press to power 15" SCREEN on/off.  <b>Press</b> to view information for content currently playing.</p>
<b>MUTE</b> 	<p><b>Press</b> to mute audio output, press to unmute.</p> <p><b>Press</b> to play content in corresponding folder (folder 1, 2, 3 etc.)</p>
<b>REPEAT</b>	<p><b>Press</b> while video file is playing to select repeat options, repeat all, repeat title, repeat off</p>
<b>TIME SEEK</b>	<p><b>Press</b> to jump to specific time point on video.</p>
<b>TV MODE</b>	<p><b>Press</b> to switch between NTSC Interlaced, NTSC Progressive, PAL Interlaced and PAL Progressive.</p>
<b>HOME</b>	<p><b>Press</b> to open main menu and access File Manager, Movies, Music, Photo and System Setup.</p>
<b>MENU</b>	<p><b>Press</b> to access filetype menu settings, i.e when video plays you access video settings, when images are playing you access slide options.</p>
<b>SLOW SETUP</b>	<p><b>This</b> button has been disabled.  <b>Press</b> this to access core system settings - System, Audio, Video, Misc.</p>
<b>ZOOM</b>	<p><b>Press</b> to zoom in/out when playing photos or video</p>
	<p><b>Navigation:</b> Press to navigate menus</p>
<b>VOL +/-</b>	<p><b>Press</b> to increase/decrease volume levels</p>
<b>AUDIO</b>	<p><b>Press</b> to display video audio track information</p>
<b>SUBTITLE</b>	<p><b>Press</b> to activate subtitles if available</p>
<b>RESUME</b>	<p><b>Press</b> to resume play</p>
<b>ANGLE</b>	<p><b>This</b> button is disabled on the 15" SCREEN</p>
<b>PAUSE</b>	<p><b>Press</b> to pause playback</p>

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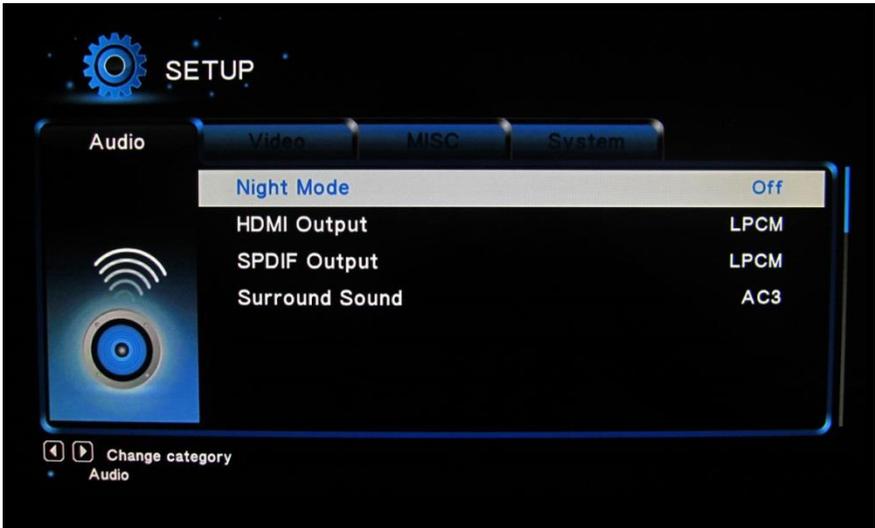
## 6. Settings Options

Using the Remote Control you can access a number of settings options for the 15" 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



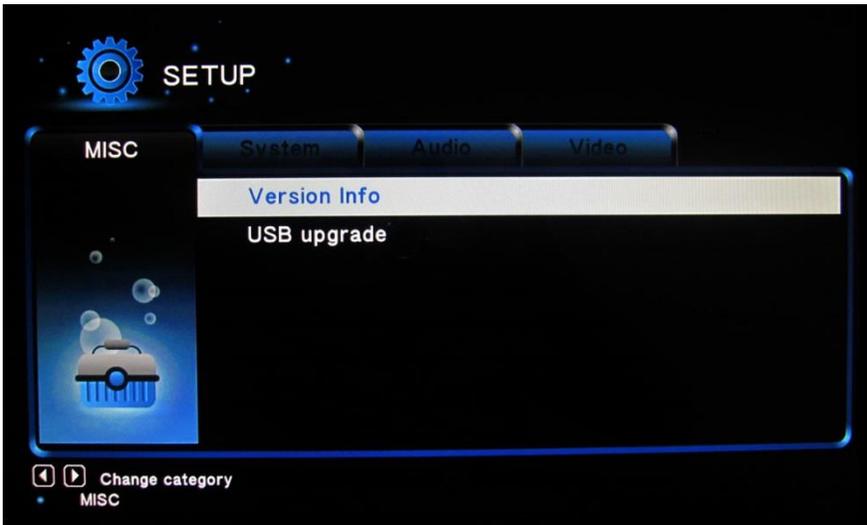
## AUDIO



## 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 15" Screen. If this file is deleted or new content is added these settings will be reset.*



## 8. Content Activation Options

The 15" 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;

### LOOPING

The 15" 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 15" Screen can play video, images or audio upon button activation. 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 15" 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 15" 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)

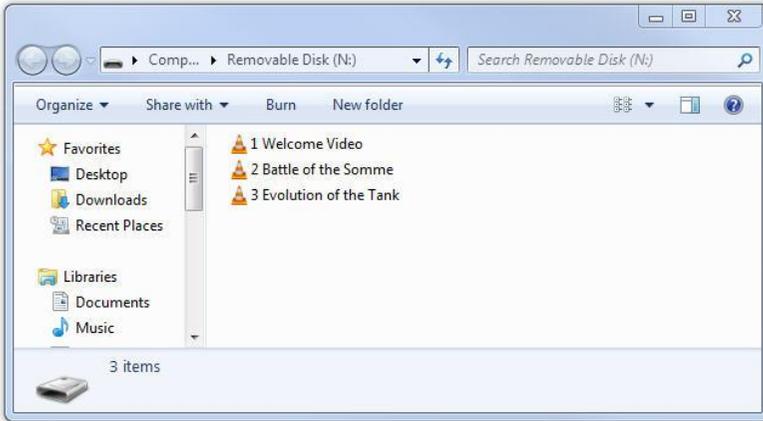
### Looping

The 15" 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 15" 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.

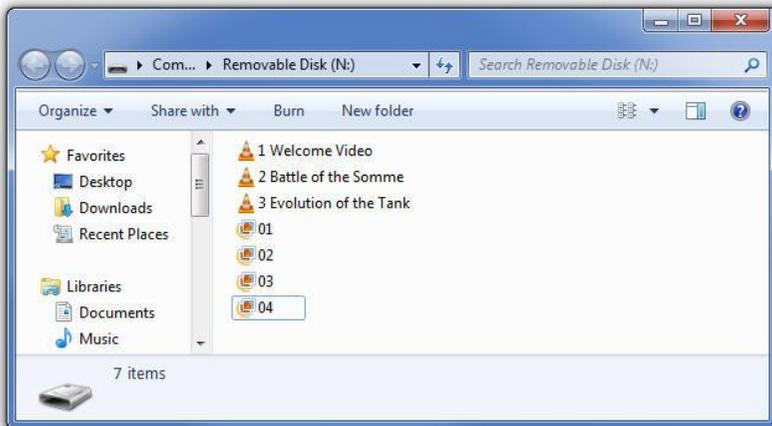
(This means that video files titled 04, 05, 06 will play before image files titled 01, 02, 03)

## LOOPING EXAMPLE 1: LOOPING VIDEO



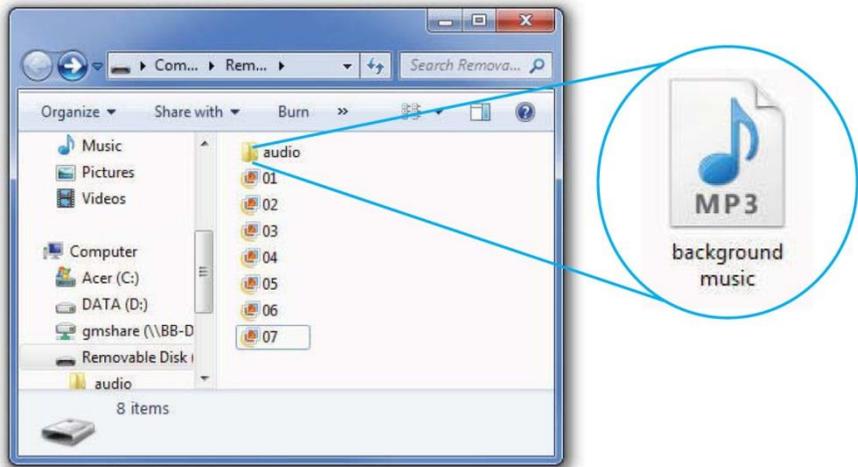
With this configuration the player will loop constantly through all videos in the following order: 1 Welcome Video -> 2 Battle of the Somme -> 3 Evolution of the Tank -> 1 Welcome Video.... and so on.

## 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 15" 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](http://www.blackboxav.co.uk/support)

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

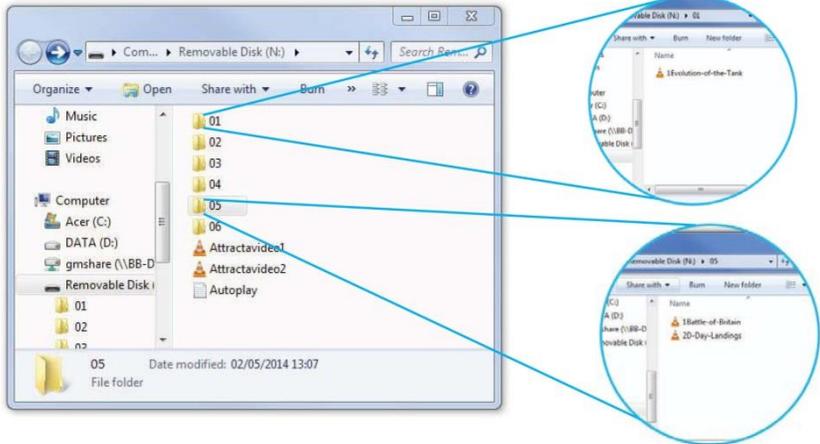
```

i rmode=1           (puts the 15" Screen 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)

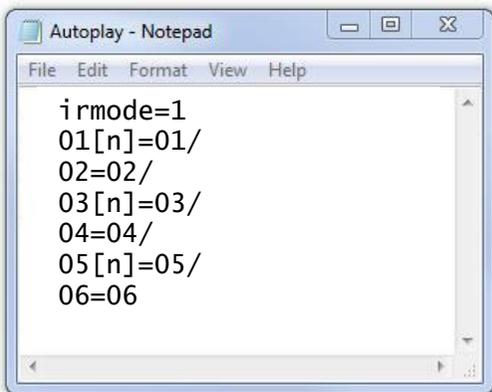
```

**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 15" Screen in button mode

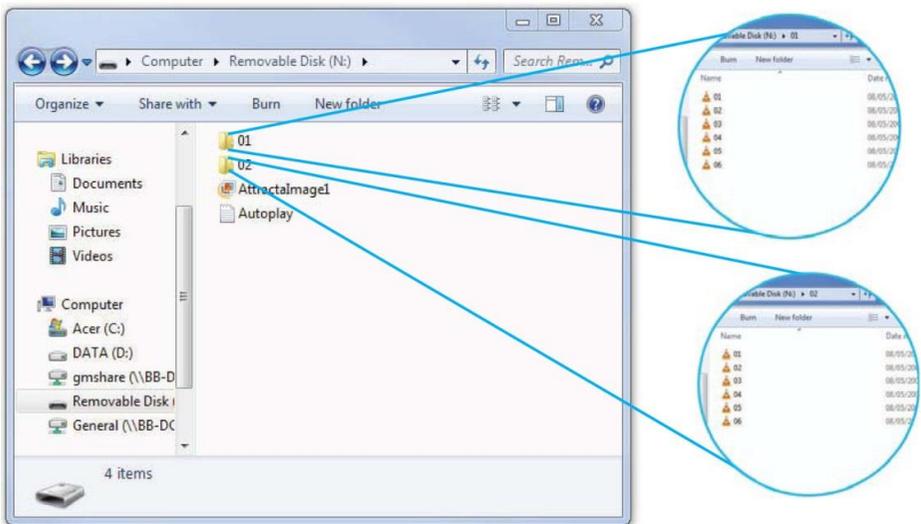
- Button 1 plays folder '01'
- Button 2 plays folder '02'
- Button 3 plays folder '03'
- Button 4 plays folder '04'
- Button 5 plays folder '05'
- Button 6 plays folder '06'

*01, 03, and 05 are uninterruptible [n].*

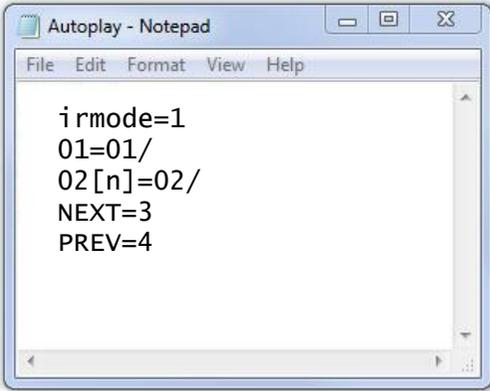
The above 'Autoplay.txt' allows each button to play all files in assigned folder. Folders '01, 02, 03, 04, 06' contain a single video file i.e '1Evolution-of-the-Tank' pressing button 1 will play this file then return to the attracta screen videos.

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;



```
i rmode=1
01=01/
02[n]=02/
NEXT=3
PREV=4
```

Puts the 15" Screen in button mode

Button 1 plays folder '01'

Button 2 plays folder '02'

Button 3 plays next file

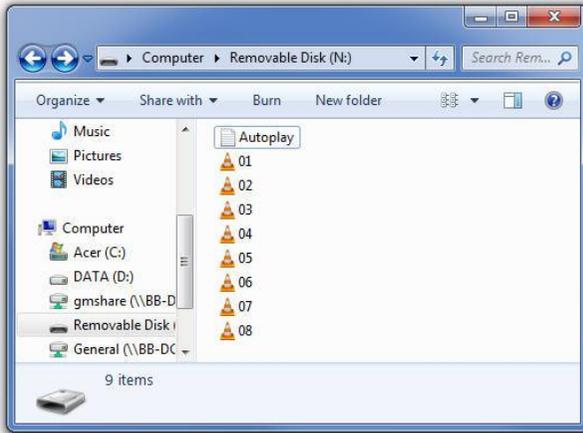
Button 4 plays previous file

*02 is uninterruptible*

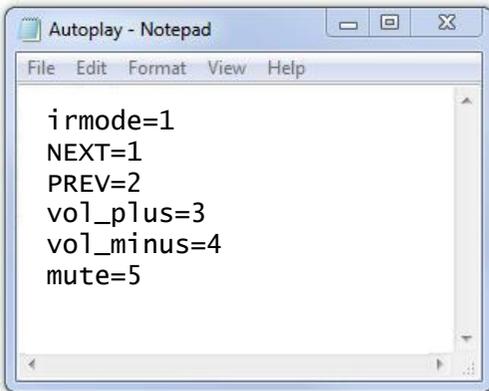
Folder '01' and folder '02' both contain 6 video files each. The above 'Autoplay.txt' assigns button 1 to folder '01' and button 2 to folder '02'.

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 15" 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 15" Screen in button mode

Button 1 plays next file

Button 2 plays previous file

Button 3 increases volume

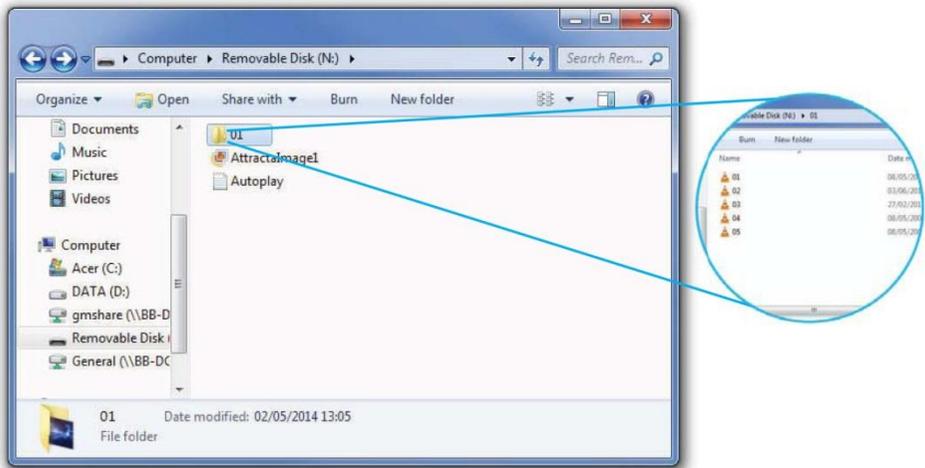
Button 4 decreases volume

Button 5 mutes volume

This 'Autoplay.txt' assigns 'NEXT' and 'PREVIOUS' commands to button 1 and 2. The 15" 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.

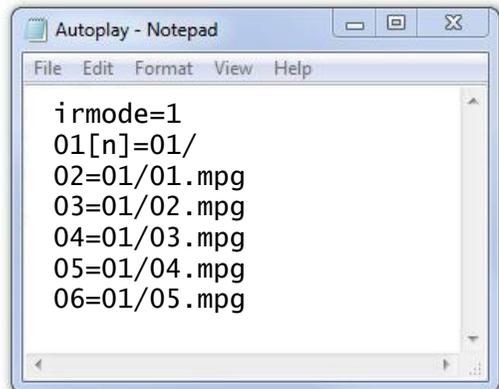
#### BUTTON EXAMPLE 4: PLAY ALL / 5 INDIVIDUAL FILES



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 15" Screen 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 15" Screen returns to the attracter screen.

**NOTE:** *When assigning specific files to a button the full filename including filetype must be used i.e 'video1.mp4' 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**