

WELCOME

Thank you for purchasing [Exhibit Video Player Button](#).

The EVB 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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WHAT IS THE EVB

Exhibition Video Player Button is a compact, stand-alone, digital media player. It can be used to display and distribute media communication, videos and images over a LCD/ plasma screen that is connected to the device via VGA input. The EVB supports a wide range of digital media files which can be stored on a USB drive, CF or SD card. A remote is also supplied for easy player control.

SPECIFICATIONS

Dimensions (LxWxH)	130 x 117 x 25 mm
Power	External AC Adapter (included) (12v, 1.0 amp)
Composite Output Resolution (pixels)	720x576
VGA Output Resolution (pixels)	640x480 or 1280x720
Component (Y.PB.PR) (pixels)	640x480 or 1280x720
Photo Format Support	JPEG, BMP
Audio Format Support	MP3, WMA, AC3, AAC, OGG
Audio Amplifier Specification	Stereo 2x4W
USB Specs	High Speed USB 2.0 Host .up to 4gb
Memory Card Support	SDHC /CF Card, Size: 1GB to 32GB
VESA Standard	100mm x 75mm
Power Source Compatibility	Worldwide(110v to 240v input)
VESA Standard	100mm x 75mm

FEATURES

Media Format Compatibility	<i>Image:</i> JPEG, BMP <i>Audio:</i> MP3, WMA, AAC, OGG <i>Video:</i> 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	<i>Audio Playback</i> Video with Music or Picture with Background Music
On-Screen Display Languages	English Chinese Japanese
Image Slideshow Playback	<i>Picture Rotation</i> Portrait-Vertical or Landscape-Horizontal <i>Slideshow Transitions</i> 14 Different Transition Effects Slide Intervals: 1 to 60 seconds

PRE-SETUP INSTRUCTIONS

Connecting your EVB is a simple and straight forward process. You will need the following:

1. The EVB Base Unit
2. 12V AC Power Adapter (*included*)
3. VGA Cable
4. VGA Compatible Monitor or TV
5. SDHC Card, High-speed CF Card or USB2.0 Drive
6. Activation buttons
7. If you are using audio you will need speakers and audio cable

SETUP INSTRUCTIONS

Powering Your EVB

Connect the supplied 12V AC Adapter to the highlighted area to give power to the device.



Connecting Your EVB to a TV or Monitor

Connect one end of the VGA cable to the VGA input on the back of your EVB.

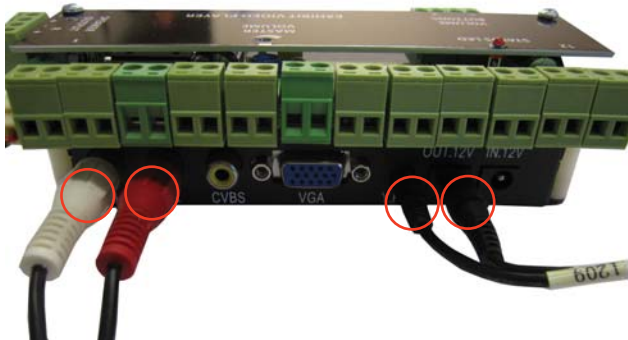


Connect the other end of the VGA cable to the VGA input on your TV or monitor.



Connecting The button board to the EVB

Ensure that the button board is connected to the Out 12v, Prog and left and right audio outputs.



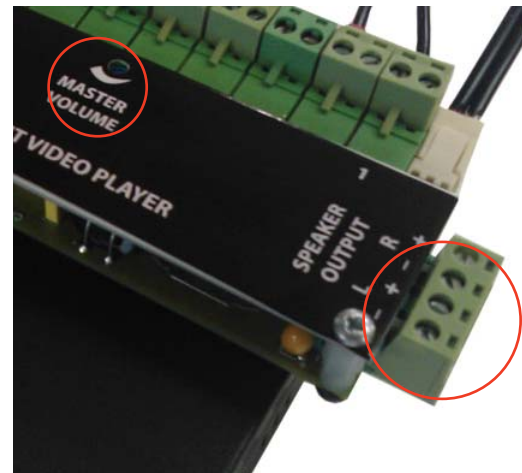
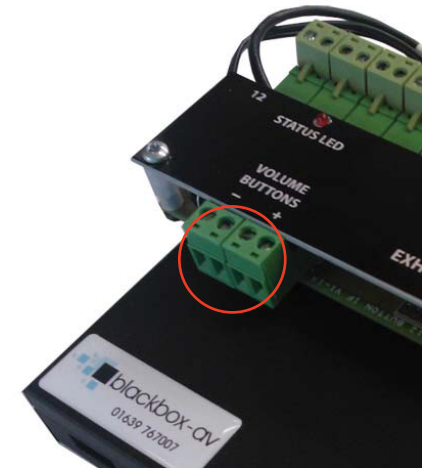
Adding media selection buttons to the EVB

Next using the terminal connections screw in the buttons that you would like to use with the player.



Adding volume control buttons to the EVB

If you would like the user to be able to control the volume level connect the buttons to the volume level.



Adding speakers to the EVB

Finally connect the speakers to the speaker output on the button board.

Setting the volume level of the EVB

To set the master volume level use a terminal screwdriver turn the volume control. Clockwise to increase volume.

VIDEO CONTENT

We recommend using an SDHC card as the storage medium for the EVB content.

The card must be formatted to FAT 32.

Converting your video Content

Before putting the content onto the SD card it needs to be in the right format to play. Find the video encoding guide here:

www.blackboxav.co.uk/support

MEDIA REQUIREMENTS

Video	Category	Codec/FourCC	Maximum Resolution	Maximum Video Bitrate
	MPEG1 MPEG2	MPEG1 MPEG2	720x480 30fps	10M
AVI				
Photo	Sub Type	Codec	Maximum Resolution	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

REMOTE CONTROL








The remote control which is supplied with the media player enables you to set a range of functions which are explained over the next few pages.

To access the menu use the setup button on the remote. You can also use the setup button to exit the menu.

If some of the options are greyed out you will need to press the stop button before entering the setup mode.

REMOTE CONTROL BUTTONS

	POWER ON/OFF
MUTE	MUTE Volume ON/OFF
VGA	VGA:1280X720 output (Factory settings:VGA:640X480)
VIDEO	Video output: For YPbPr and CVBS selection
DISP	Displays the current time in the top right corner of screen.
BGM	BGM Back ground music ON/OFF
MODE	MODE All play, Folder play, Single play (Default: All play)
PROG	At stop status, press this key to set "PROGRAM PLAY". Maximum 20 files can be selected.
BCC	SET A TO B Player
RETURN	At stop status, press this key to go to "PLAY LIST" screen.
COPY	One key copy. From USB/SD card copy to CF card or built-in flash memory (USB/SD and CF/ flash Memory should be selected one)
DEL	"DELETE ": At stop status, move arrow key to select file want to be deleted, and then press this key. The screen will prompt [ARE YOU SURE YOU WANT TO DELETE THE FILE?], move arrow key to select " YES" to delete file.
VOL+	Increase Volume
VOL-	Decrease Volume
SETUP	Enter SETUP menu
ZOOM	When ZOOM on: Picture/Photo zoom in or zoom out, using and key to select times Cursor UP , or let picture have Horizontal mirror image Cursor LEFT, or let picture have 90 degree counter clockwise rotation ENTER ENTER, play start Cursor RIGHT, or let picture have Vertical mirror image Cursor DOWN, or let picture have 90 degree clockwise rotation LEFT 2x, 4x, 6x, 8x RIGHT 2x, 4x, 6x, 8x
FILE	List all files in card or NAND
	Go to PREVIOUS file
	Go to NEXT file
	PLAY/PAUSE (Temporary STOP)
	STOP, return to file list



OPTIMAL PLAYBACK

Image Playback

For optimal image playback we recommend images to be 1080 x 608 pixels at 300 DPI and saved as a jpeg.

Video Playback

For optimal video playback it is recommended that your video is 720 x 480 pixels and runs at a frame rate of 30 frames per second in AVI format.

Video Encoder - There is a converter available and a PDF manual located on the support page of our website.

www.blackboxav.co.uk/support

Audio Playback

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

FACTORY RESET

Preferences > Defaults > Reset

PUTTING CONTENT ONTO THE PLAYER

Once you have edited and converted your video or images into the correct format you will need to put them onto a SDHC card.

1. Use included SDHC card as a template (it comes with each folder already set up) If you are not using a button you must delete the folder. To use other SDHC cards/storage devices make sure they are formatted to FAT32 first, then create the appropriate folders.

2. Each folder represents a button, except '00'.

00 - Looping folder (plays automatically on startup)

01 - Button 1

02 - Button 2

etc.

3. Put your converted video or images within each folder, name them 00, 01, 02 etc. for the order you want them to play when the button is pressed. (for single files in each folder they can be named anything)

Example looping folder (button folders are the same)



Within the above configuration the player will play: video 00.mpg, image 001, image 002 and then loop back video 00 until somebody presses a button.

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

When a button is pressed, every file in that folder will be played, then the EVB will return to the looping folder.

TIMER POWER SETUP

A useful feature of the EVB player is that you can programme it to power up and turn off at a set time each day.

Setup > Clock setup > enter in the details using arrow buttons </> to change digits then v/^ to change detail. Confirm the details are correct.

Setup > Timer power setup, enter your power off and on times </> to change digits then v/^ to change detail. Confirm the details are correct.

Finally go to to Preferences > Timer Power > On
(to access the preferences menu you cannot be playing any content)

To exit the setup press setup on remote.

Your EVB player will now turn on and off each day at the times set.

SLIDE SHOW IMAGES

The player will play a slide show of images. The order will be in name order.

Setup > Picture Setup > Slide Show > On

Eg: Within the root of folder 00 put the files:

01.jpg, 02.jpg, 03.jpg, 04.jpg, 05.jpg

The player will scroll through these images and then loop back to the start.

Image Transitions/ Timings

Setup > Picture Setup > Transition > Select Your Transition Preference

Setup > Picture Setup > Interval > Select Your Time Preference 1-60 seconds

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

Setup > Picture Setup > Rotate Picture > Rotate