aaxa
TECHNOLOGIES

$\mathcal{P}$2
PICO PROJECTOR
USER MANUAL

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P2 PICO PROJECTOR SPECIFICATIONS

PROJECTION SYSTEM

Native Resolution:	SVGA (800x600)
Brightness:	33 ANSI-Lumens
Contrast Ratio:	1000:1
Noise:	30dB
Projection Lens:	Manual Focus
Projection Image:	Available Size 7 ~ 72 inch
Lamp:	AAXA White LED
Life:	20,000hrs
Projection Angle:	33.4°

GENERAL SPECIFICATIONS

Control Options:	Keypad / Infrared Remote Control
Advanced Image Adjustment (AIA):	Mirror image, flip vertical, gamma correction, contrast, brightness, saturation, tint, color temperature
Audio Output:	Onboard dual 0.5w speakers
	Stereo speaker/headphone mini-jack
Color:	Matte Black
Menu Language:	English, Korean, French, Spanish, German, Italian, Swedish, Portuguese, Chinese Simplified, Polski
Aspect Ratio Control:	4:3
Dimension:	110*59*27mm (without battery pack)
Weight:	260g
Power Consumption:	12-15W
Power Supply:	DC 12V 1300 mAh battery
	AC100~240V(Free Voltage), 50Hz/60Hz
Supported Formats:	/MP3/WMA/OGG/WAV/AVI/WMV/ SMV/ BMP/JPG/GIF/TXT
Conformances:	CE, FCC Class A

INPUTS / OUTPUTS

Video In:	Composite A/V (3.5mm), 15-pin VGA
Audio Out:	3.5mm Stereo Headphone Jack
USB:	5 Pin Mini USB

STORAGE CAPACITY

Built in 1Gb flash memory + microSD/TF card reader

PACKING LIST

A/V Cable

USB Cable
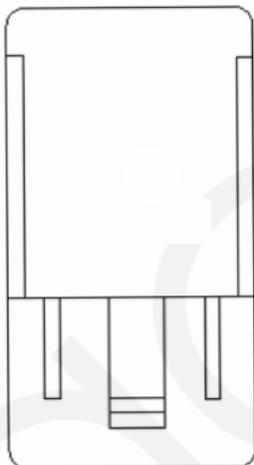
Battery Pack
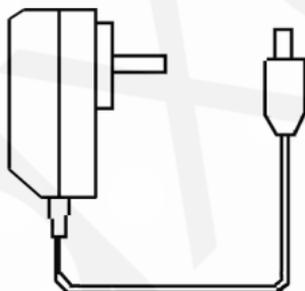
Charger
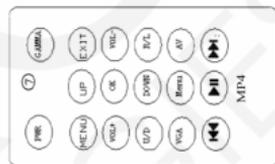
Remote Control

Tripod

focus
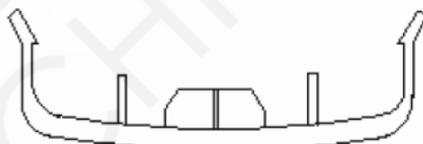
Battery Clip

Main Unit

OVERVIEW

Projection Lens

Focus Adjustment

FOCUS

Menu

Play / Pause & Start MP4 Player

MENU

Back & Rewind

Forward & Fast Forward

VOL

Volume Adjustment

Mini-USB Port

Micro SD slot

Power Indicator Light

Power On for Projection System

OVERVIEW

MICRO SD CARD SLOT

HEADPHONE JACK

AV CABLE PORT

INFRARED REMOTE SENSOR

MICRO PROJECTOR

DC 12V INPUT

VGA INPUT

HARDWARE VOLUME ADJUSTMENT

SYSTEM POWER SWITCH

GENERAL OPERATION

POWERING ON THE PROJECTOR

1. Attach the Power Cable or Battery Pack

2. Turn on the Power Switch - This turns on the main system – you should hear the fan turn on

3. Press and hold the Projection System power button for 3 seconds

a. This turns on the optical engine
b. The projector should now be projecting a blue screen and is now in "Stand By" Mode

STAND BY MODE

When the projector is in stand-by mode it is ready to receive external inputs or start the   player. The Stand-by mode is designated by a blue screen.

EXTERNAL INPUTS

The P2 projector has 2 external input ports. The VGA port is found on the rear of the projector. The A/V port is found on the side of the projector next to the head phone jack.
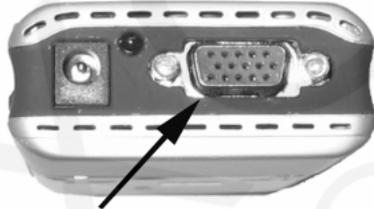
A/V INPUT   VGA INPUT

1. VGA Input – Standard 15 pin VGA Input (up to 1280x720)
The VGA input is designed for standard 15 pin VGA input at 800x600 native resolution.
The P2 projector is ready to accept VGA input in "stand by" mode.

2. A/V Inputs - The main A/V input cable is by 3.5mm data jack.
The P2 projector accepts different 3.5mm data sources including composite video (included), Ipod / Iphone cable (optional), Playstation Portable (Optional), Microsoft Zune (Optional), and others. Please check our website at www.aaxatech.com for optional A/V cables.

ADDITIONAL FEATURES

1. FOCUS
To achieve the best picture at different projection distances, adjust the focus by turning the knob from left to right. The focus distance is designed from 0.2m to infinity
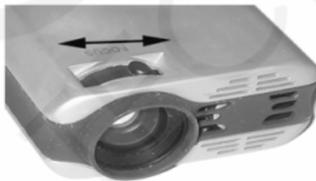
2. Headphone Jack
The P2 projector has an external 3.5mm headphone jack located next to the A/V port.

HEADPHONE JACK

2. Volume Control
The P2 projector has two methods of volume control. The first method is hardware volume control which can be adjusted by the "+" or "-" buttons found on the side of the projector. A volume control bar will pop up designating volume adjustment.

The second method is software volume adjustment while using the   player (see   Playerr)

Volume Control
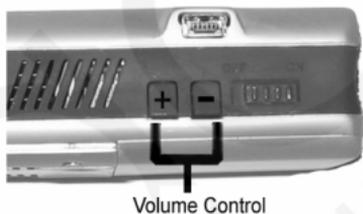
3. MICRO SD CARD
The P2 projector accepts up to a 4GB Micro SD Card. The Micro SD Card should be inserted with the data contact portion facing up and will lock into place. The data on the Micro SD card can be accessed via the   Player. Please see the   Player section for more information.

Mini-USB Port

MICRO SD PORT

4. Mini-USB Port

The P2 mini-USB port allows access to the 1GB onboard memory. This is a data access / file transfer port only and cannot be used to charge the projector or for video input. Saved files can be accessed with the   player.

Mini-USB Port

MICRO SD PORT

PERIPHERALS

Composite Audio / Video (A/V) Connection

The P2 projector can connect to any device that outputs composite video / audio (RCA type). The projector auto-detects the A/V cable in "stand by" mode. When the A/V cable is plugged in the   menu is not accessible. The projector will automatically display any A/V image that is sent through the cable.

Connecting to Iphone / Ipod

The P2 projector can connect to Iphones and Ipods via the AAXA Ipod / Iphone cable (sold separately). The cable functions the same as an A/V cable and is auto-detected while in "stand by" mode. Please see your Ipod / Iphone manual on "how to output to TV" for Iphone / Ipod operating instructions. Most Iphones / Ipods will auto-detect the A/V cable. Some Ipods require selecting "video out" to display pictures and videos.

Connecting to Zune

The P2 projector can connect to Zunes via the AAXA Zune cable (sold separately). The cable functions the same as an A/V cable and is auto-detected while in "stand by" mode. Users must select the "TV out" under the Settings -> Display in the Zune menu before the display is outputted.

PLAYER OPERATION

1.   Player Startup

The   Player can be started in "stand by" mode (blue screen) by pressing and holding the play button for 3 seconds.
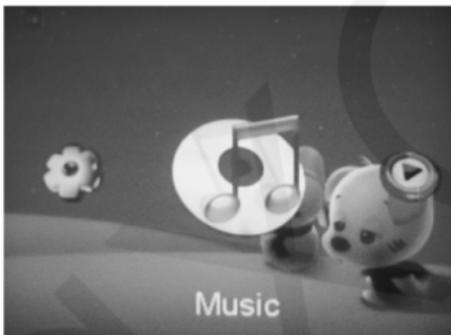
key functions description

**MENU**: Press to access files or to go back

VOL+▶▶I: V+ volume up (Maximum 32)

VOL+I◀◀: V- volume down (Minimum 0)

▶▶I: Select next track or hold for fast forward

I◀◀: Select previous track or hold for fast rewind

**▶II**: Play and Pause or hold for main menu
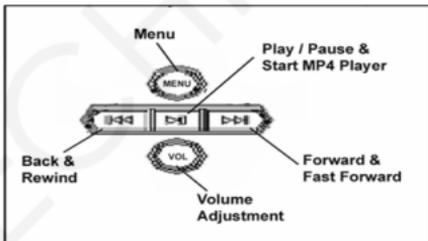
Explorer:

System Settings: System Setting, Desktop, Language, System Information.

Browsing Pictures: Browsing pictures one by one or Slide show or Thumbnail (supports JPEG, BMP and GIF format).

Video Playback: Compatible with AVI, MPEG1, MPEG2, MPEG4 3G, WMV9/VC1, ASF, RM/RMVB and FLV formats (must use software to compress the size of files to 640x480 before playing).

Audio Playback: Compatible with MP3, WMA, WAV, APE, FLAC AAC/AAC+ and MPEG1/2/2.5 formats.

Music Mode

Video Mode

Photo Mode

eBook Mode

Explorer Mode

Settings Mode

MP4 Function Descriptions

1. Music Mode

A. Switch on the player, then select Music Mode and press [Play]▶ll to enter sub-menu, then select and press [Resume Play] and press [Play]▶ll to play the music. Press ▶ll to pause.
B. Select music:
  - ⏮ : Select previous song
  - ⏭ : Select next song
C. Volume Adjust: Press [**VOL**] key and
  V+: Increase volume
  V- : Decrease volume
D. Fast Forward / Rewind: Press ⏭/⏮ key over 1 second
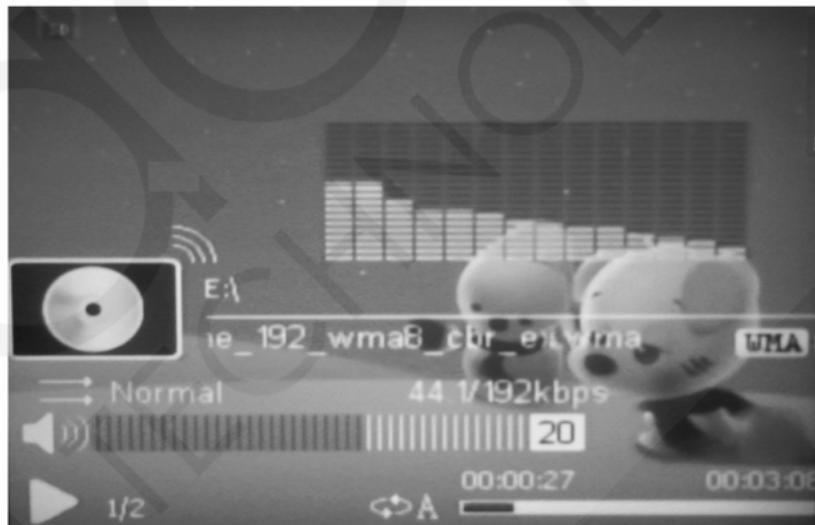
2. Video Mode

Select **[Video]** mode and press [Play]▶II to enter the menu.
Press ▶▶I/I◀◀ to enter the video play queue in order to select the
video which you want to play. Then press ▶II key to play the video
file.

*Note 1: The RM/RMVB video only supports the video file which
is below 720x576. The bigger the volume file is, longer
will be the time to start the playing.. The volume of the
fle must be changed.*
*Note 2: AVI video only supports the video file which is below
800x480. The bigger the volume file is, longer will be the
time to start the playing. The volume of the file must be
changed.*

3. Photo Mode

Select **[Photo]** mode and press ▶❙❙ to enter the following menu:

All Photos: You can view all image files. In this mode, you can press ▶▶❙ or ❙◀◀ key to select a picture and then press [Play]▶❙❙ to view the picture.

You can press **[MENU]** key once to go back to the previous menu.

4. Explorer Mode

Select [**Explorer Mode]** and press [Play]▶❙❙ key. The Explorer mode window will be displayed.

Press ▶▶❙/❙◀◀ to view related information about the following menu:

Internal Media, All Audio Tracks, All Video Tracks, All Image Files.

After selecting the sub-menu, press ▶ll key once to enter and view the related information. You can also press [**Menu**] key once to go back to the previous menu.

In **Internal Media mode** you can view all files, including recorded files and image files.
In **All Audio Tracks mode** you can only view audio files.
In **All Video Tracks mode** you can only view video files.
In **All Image files mode** you can view all images information.

5. Settings Mode

Select [**Settings**] mode and press ▶ll to enter the menu:
Press ▶▶l/l◀◀ key to select next/previous item, and press ▶ll key once to enter the sub-menu.
You can press [**Menu**] key once to go back to the previous menu.

Desktop:
Under the setting menu, select Desktop, press ▶ll to enter, and then press ▶▶l/l◀◀ to select Desktop 1, Desktop2, Desktop3, Desktop4, Desktop5, Desktop6, Desktop7, Desktop8.

REMOTE CONTROL &
ADVANCED IMAGE ADJUSTMENT (AIA)

The P2 remote control allows access to hardware control and Advanced Image Adjustment (AIA) features of the projector.

Power On / Off – The power button allows the projector system to be toggled on / off. Please note that the main power switch must be switched to "on" in order for the projection system to be turned on. To turn off the projection system simply press the "PWR" button once and again when prompted.

Gamma - Gamma adjustment allows the adjustment of thebrightness variation between different sections of the image. Three gamma settings are available: Normal, Cinema, Bright. To adjust gamma simply press the "Gamma" button on the remote control. The current setting will appear in the top right corner of the screen.
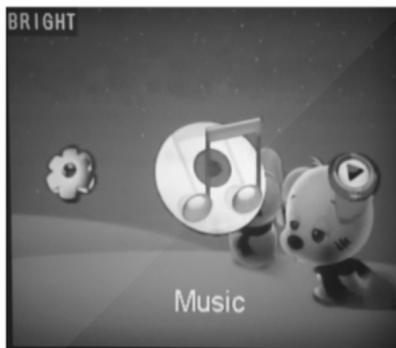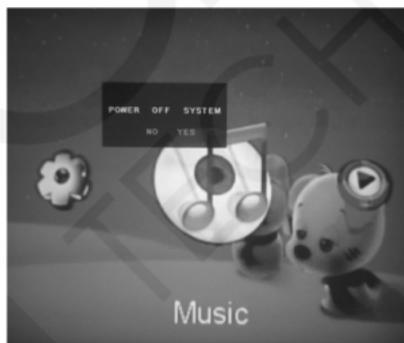
Advanced Image Adjustment

The settings in the advanced image adjustment menu can be accessed by pressing the top left "Menu" button. This will bring up the menu that allows access to:

DISPLAY
   Contrast
   Brightness
   Saturation
   Tint
   Color Temperature
   Recall

SYSTEM
   Language
   OSD Location
   Transparency
   OSD Timeout
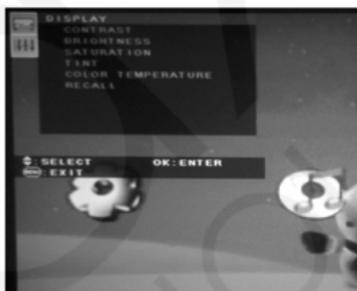
Accessing Menus

To toggle between the main menus "DISPLAY" or "SYSTEM" press "Down" or "Up"

Accessing Submenus

To select a submenu such as Contrast, Brightness, etc. first select main menu ("DISPLAY" or "SYSTEM") by pressing "OK" then "Down" to highlight the submenu. Press "OK" again and this will bring you into the submenu

Adjusting Display Settings

To adjust Contrast, Brightness, Saturation, Tint, and Color temperature
access the submenu and use "Vol +" and "Vol –" to adjust. Use Recall
to return to factory settings

Adjusting System Menu Settings

Language To change language access the submenu and select the
appropriate language
OSD Location changes the location of the menu
Transparency changes the transparency of the menu
OSD Timeout sets the number of seconds that the menu stays on without
user input
  NOTE: The Advanced Image Adjustment (AIA) menu is only accessible
  while in   mode or video input mode.

Mirror Image – The "R/L" button flips the image horizontally
Vertical Image Flip – The "U/D" button flips the image vertically
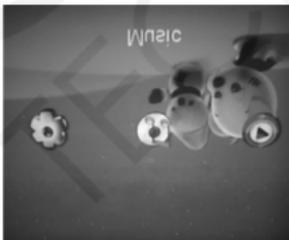
VOLUME ADJUSTMENT

The hardware volume adjustment can be accessed via the "VOL +" and "VOL –" buttons on the remote control. Please note that there is an additional software volume adjustment available while playing videos.

PLAYER CONTROL

The "Menu", Reverse, Forward, Play/Pause buttons function the same as the   player buttons found on the top of the projector. Please see the   player section for more information.

TROUBLE SHOOTING

No Power
Solution: Check to ensure the battery is charged or the P2 is plugged in

No Sound
Solution: Check to make sure the volume is on

Pictures appear distorted
Solution: Check to make sure picture resolutions are correct. Files larger than 640x4
are re-processed by the player which may cause distoration.

Cannot Connecto USB Port
Solution: Check the USB Cable. Switch USB Ports

Media player has problems playing files or files are incompatible
Soluton: Due to the large variety of encoding methods, not all encoding methods are supported by our media decoder. First check to make sure the file resolution is the appropriate size (no larger than 640x480). Second check to make sure the bit rate is not too high. We recommend using conversion utilities such as FormatFactory freeware conversion software to obtain a better conforming encoding of video files

File system/format problems occur while copying files from a Mac to the onboard memory.
Solution: Make sure the file system format used for the transfer is FAT/FAT32. Newer Macs should auto-detect the file system on the P2.

Media Player is Frozen
Solution: On occasion some files will cause the player to crash.Unplug / detach the battery and power source for a hard-reset.

Unable to connect to a computer/laptop
Solution: First check to make sure computer is able to output a VGA signal. On some laptops this requires activating the VGA output feature. If there is a signal, check to make sure the signal resolution is not too high. The P2 supports up to 1280x720 video input but operates best at 800x600.

Computer / Laptop output fuzzy or blurry
Solution: Check the focus adjustment. Check to ensure that output is set to 800x600 – the native resolution of the P2 projector.

Unable to display PowerPoint slides
Solution: Save slides as a series of JPG images. Animations will be lost. Another option is to use an Apple Ipod or Microsoft Zunes to output PowerPoint slides via third party software and the AAXA Ipod or Zune A/V cable.