

# OEM-250 Micro Projector

## OEM-250 LED MINIATURE PROJECTOR



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# Warnings

**\*Do not operate the Projector in direct sunlight or near heat sources such as heaters, fires, and stoves as this may cause a fire hazard.**



**\*Do not operate the projector close to sources of steam or oil such as a humidifier as this may cause electric shock.**

**\*Do not operate the projector near water such as by the sink or bathtub as this may cause electric shock.**



**\*Do not block or restrict airflow from ventilation holes as this may cause the projector to overheat.**

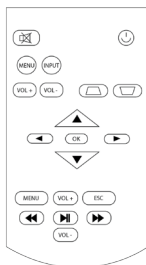
**\*Do not place inflammable materials beside the projector as this may cause a fire hazard.**



**\*Do not drop the projector or allow heavy impacts or shock as this will damage the projector.**



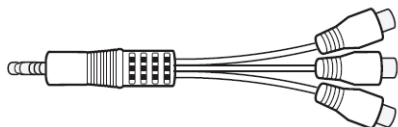
**Projector**



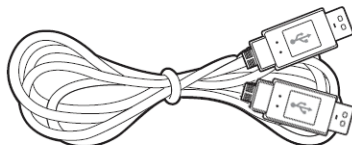
**Remote Control**



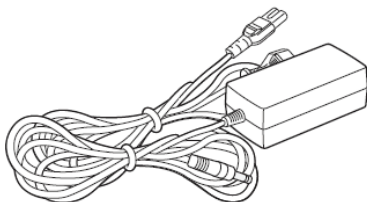
**Tripod**



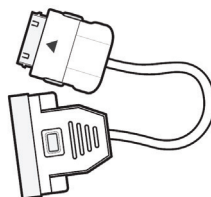
**Composite A/V Cable**



**USB Cable**

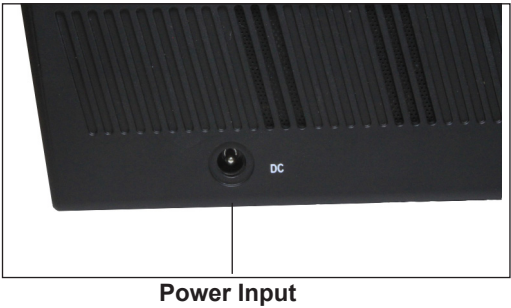
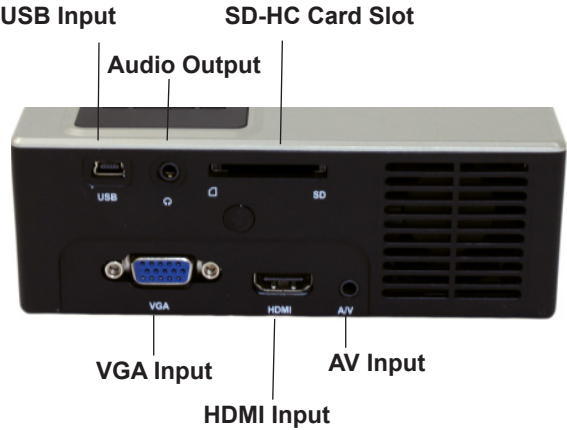
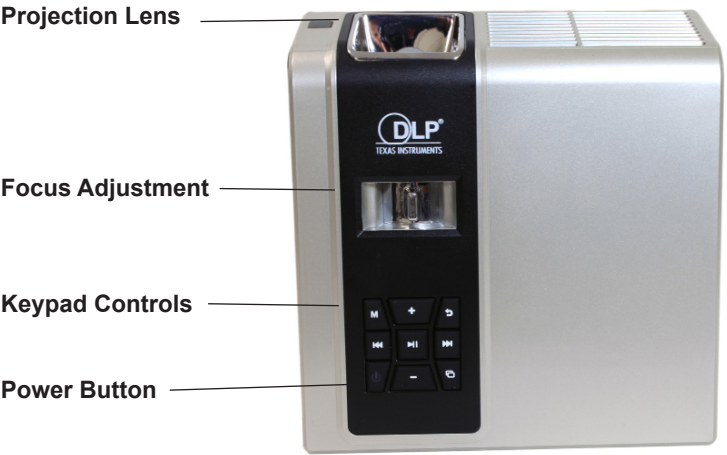


**Power Cord**

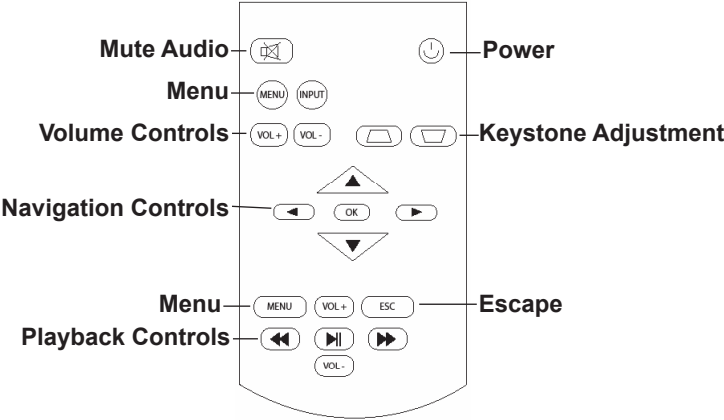
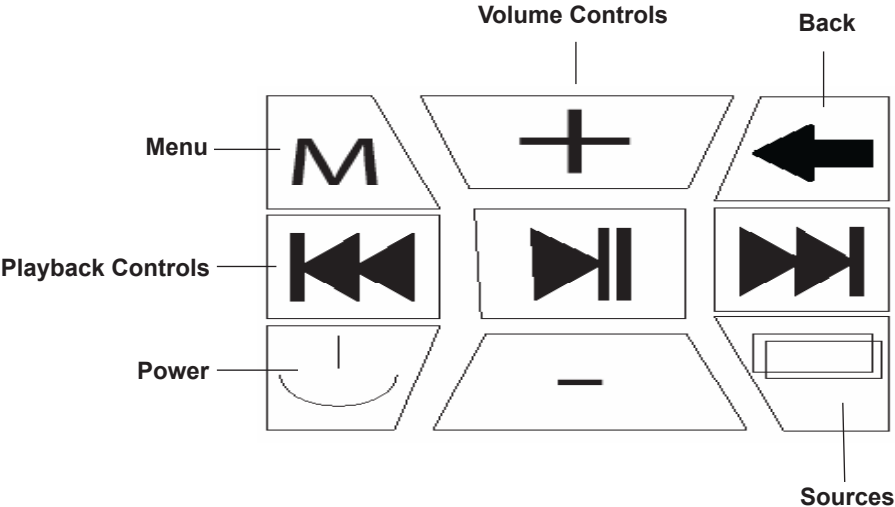


**VGA Cable**

# Product Overview



# Keypad & Remote Control Functions



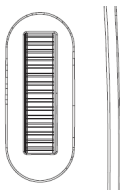
# General Operation

## Turning on the projector

To turn on the projector first plug the power supply into a suitable wall outlet and to the rear of the projector. Then power the projector on by holding the power button for 3 seconds until the optical engine turns on.

## Shutting down the projector

To shut down the projector, press and hold the power button for 3 sec. The optical engine should shut off and the fan should stop spinning.



## Adjusting focus

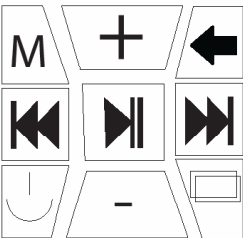
To adjust the focus, spin the focus wheel up or down until the image becomes clear. The recommended focus distance for this projector is 10" to infinity.

## Projection lens

The projection lens emits the image from the projector. Make sure there is nothing obstructing the lens to obtain a clear image.

## Keypad Controls

Use the keypad control buttons to navigate through each menu. The control panel behaves differently in each submenu. Controls for submenus are explained later in this manual.



## Accessing the Onboard Memory

The OEM-250 Micro Projector includes 1GB of onboard memory. To access this memory, connect a USB cable from your computer to the back of the projector in the slot that reads “USB”. A folder will appear on your computer screen after the projector is detected. You can store any type of supported photos, video and/or files in this folder to view.



Note: If your computer fails to detect the projector, check to make sure the cable is securely inserted on both sides. If you're still unable to view the folder, please consult with your operating system's owner manual.



## Accessing a SD Memory Card

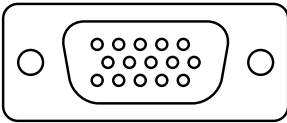
Multimedia file can also be accessed via an SD memory card. To access your SD card, insert it into the back of the projector in the slot that reads “SD”. Once your SD card has been inserted, you can navigate through the main menu to select what you want to view under each submenu.



\*Review the Specifications section of this manual to read about supported file formats.



The OEM-250 micro projector can be toggled to accept different types of inputs. This includes VGA (Mini VGA), HDMI and Composite Video (3.5mm jack). To toggle through the sources, press the far right button  on touchpad or the input button  on the remote control to select the appropriate source.



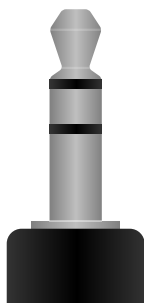
### To Connect to a VGA Source

The projector can accept a VGA input signal. Connect the VGA cable to your source and the other end should be inserted in the slot on the side of the projector that reads 'VGA'. Toggle through the input sources and once you select VGA input, your display should appear.

**Important:** Be sure to setup the computer to enable a video signal output. On some laptops this is done by pressing and holding Function F5 Key. If using the OEM-250 as an external monitor on Windows based systems, this can be done by selecting "extend my desktop to this monitor". The native resolution of the OEM-250 projector is SVGA (800x600) and it accepts up to a 1280x800 signal. Depending on the video driver different resolutions may need to be selected for proper output.

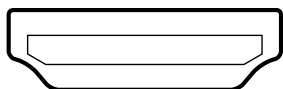
**Note:** Each computer system is different - please check with your owner's manual for how to properly output video signals. Some Apple computers may require a DVI to VGA adapter.

## External Inputs



### To Connect to a Composite Video Source

The projector can accept a composite video signal. This signal comes through the 3.5mm composite A/V cable. Connect the composite A/V cable to the projector and the other end into the video source. Toggle through the input sources and once you select AV input, your display should appear.

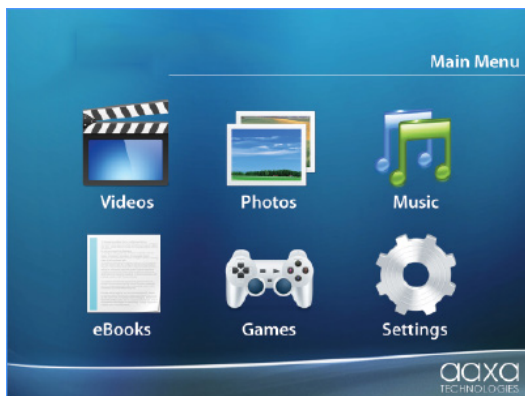






### To Connect to an HDMI Source


The projector can accept a digital HDMI input signal. This is done by connecting the HDMI cable to the HDMI input port of the projector. Toggle through the input sources and once you select HDMI input, your display should appear. The OEM-250 accepts up to a HDMI 1.2 signal.

The OEM-250 projector features a built-in PMP (Portable Media Player) function.

This function allows the projector to play videos, pictures, music files, and text. To access the Main Menu, simply turn on the projector. The screen displayed below will appear. To navigate through the Main Menu, follow these directions:



- **Scroll left/right** by pressing the rewind/fastforward   buttons.
- To **select a submenu**, highlight the desired submenu and press the Play/Pause button  located in the middle of the keypad or remote.
- To **go back to the previous page** while in a submenu, press the (M) button on the far left of the keypad or the menu button  on the remote.

**Note:** If the projector starts in VGA, HDMI or A/V mode, simply press  on the control panel to toggle through the input sources until you see the picture displayed above. The projector will turn on with the input source that was previously selected before shutting down. To read more about input sources, please review our Input Selection section in this manual.

# PMP System - Main Menu

On the main menu, you can press the Menu button on your remote to bring up a more advanced options menu. This lets you change settings regarding the Image, and general Projector Setup.

**Brightness:** Changes brightness

mode from regular to boost mode (may cause additional heat and fan noise)

**Contrast:** Adjust contrast on unit

**Aspect Ratio:** Change viewing aspect ratio (May cut off images on top and bottom)

**Color Space:** Change color profile on unit, changes color temperatures

**Advanced Setting:** Display options including picture mode, audio settings, and more

**Language:** Change primary language of unit

**Projector Position Mode:** Lets you use projector as a rear mounted or ceiling mounted unit

**Auto Source Select:** When enabled, will automatically load into whatever source it detects.

**Keystone:** Adjusts the keystone of the projector, allowing you to compensate for verticle angles.

**Zoom:** Adjusts zoom feature on unit.

**Factory Reset:** Resets all settings to default

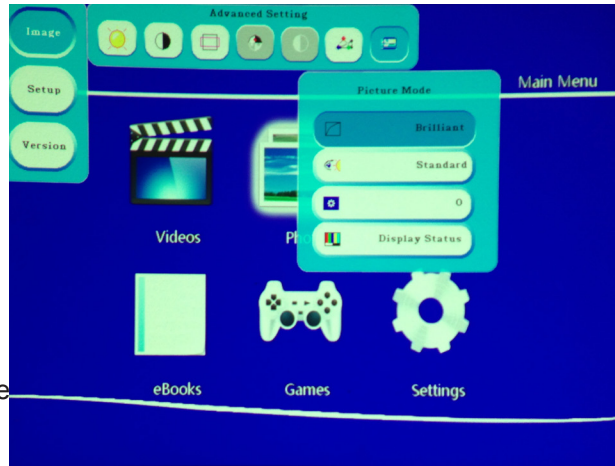
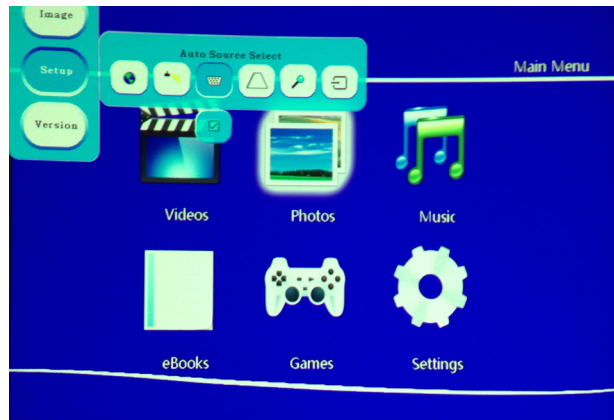


Image Settings Menu



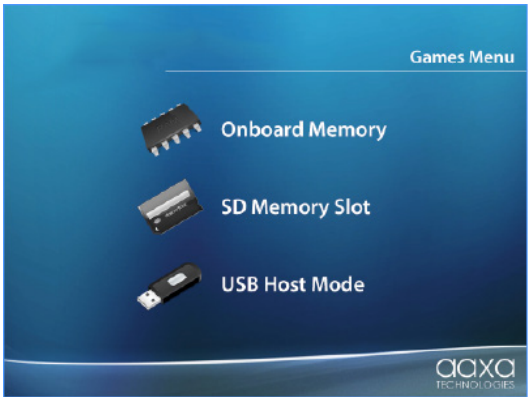
Setup Menu

# PMP System - Videos








The OEM-250 micro projector’s PMP system supports direct playback of a wide variety of video formats. To access videos in memory or a SD Card, first select the “Videos” item in the main menu:



Once in the Videos menu, there are three items that can be selected to access the device on which videos files are stored:




## Playing Videos

- To **play/pause** a video, press the play button  in the middle of the keypad or remote control.
- To **rewind**, press and hold the left arrow  button.
- To **fast-forward**, press and hold the right arrow  button.
- To **jump forward** to the next video, press the right arrow  button.
- To **jump back** to the prior video, press the left arrow  button.
- To **adjust the volume**, press Vol+ ( on the remote) to increase and Vol- ( on the remote) to decrease the volume.

**Note:** If the video is large, please allow the projector a moment to process the file. If the after a few minutes the projector does not play a video, it means the file is not compatible.

## Video Settings Menu

To access the Video Settings Menu, press and hold down the Menu button (**M**) on the keypad or at the top of the remote . The options are:

**Play Mode** - Adjusts how the video player loops single or multiple tracks

**Zoom** - Adjusts how the video is placed within the screen

**File Info** - Provides detailed information about the current video file

**Vision Effect** - Adjusts the sharpness of the video image

**Subtitle Display** - Turns on/off subtitle display during video playback

**Subtitle List** - Displays a list of available subtitle files

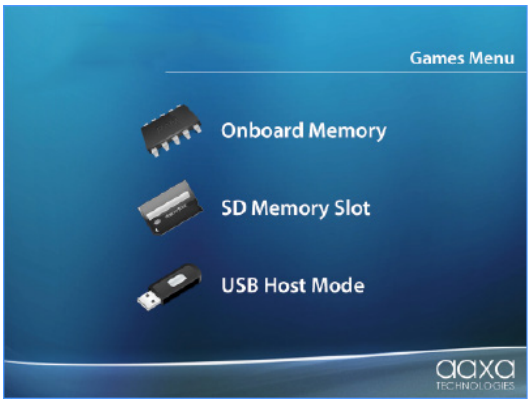
\*Review Specifications section of this manual for supported video formats.

# PMP System - Photos



The OEM-250 micro projector’s PMP system supports direct playback of a wide variety of image formats. To access photos in memory or a SD Card, first select the “Photos” item in the main menu:




Once in the Photos menu, there are three items that can be selected to access the device on which image files are stored:




## Viewing Pictures

The OEM-250 Micro Projector allows you to view pictures individually or in a slideshow. To view individual photos, select the file you want to view in the file menu for the particular storage device on which the image file is stored. You can press the arrow butt   on the touchpad or remote to flip through the pictures you have in the present folder.

## Viewing Pictures in a Slideshow

To view your pictures in a slideshow, select a file and press Play when the picture appears,  will appear in the middle of the screen, which notifies you that the slideshow has started.

## Photo Settings Menu

To access the Photo Settings Menu, press and hold down the Menu button on the keypad (**M**) or at the bottom of the remote . The options available are:



**Time Slot** - Adjusts how quickly the slideshow transitions to the next file

**Switch Mode** - Changes the transition animation between photos

**Sequence** - Adjusts the order in which photos are displayed

**Image Info** - Provides detailed information about the current image file

**Zoom** - Adjust the size and placement of the image on the screen

**Rotate** - Changes the vertical and horizontal orientation of the image. You can also use the  or  arrows on the keypad or remote to rotate.

\*Review Specifications section of this manual for supported image file formats.



# PMP System - Music

The OEM-250 micro projector’s PMP system supports direct playback of a wide variety of music formats. To access music in memory or a SD Card, first select the “Music” item in the main menu:










Once in the Music menu, there are three items that can be selected to access the device on which music files are stored and two items for playback options:




## Listening to Music

The OEM-250 Micro Projector allows you to playback music as singles or in sequence. To begin music playback, select the file you want to play in the file menu for the particular storage device on which the music file is stored.

- To **play/pause** a song, press center button  of the touchpad or remote.
- To **rewind**, press and hold the left arrow  button.
- To **fast-forward**, press and hold the right arrow  button.
- To **jump forward** to the next track, press the right arrow  button.
- To **jump back** to the prior track, press the left arrow  button.
- To **adjust volume**, press Vol+ (  on the remote) to increase and Vol- (  on the remote) to decrease the volume.

## Music Settings Menu

To access the Music Settings Menu, press and hold down the Menu button on the keypad (**M**) or at the bottom of the remote . The options are:

**Play Mode** - Changes the sequence or repeat mode of playback

**Speed** - Changes the speed of playback

**Live Sound** - Adjusts the tone of the music

**Show Mode** - Adjust the format of text lyrics (if available)

**On Text Color** - Changes the active text color

**Off Text Color** - Changes the inactive text color

**File Info** - Provides detailed information about the current music file

\*Review Specifications section of this manual for supported music file formats.

## Library

The music library can be accessed through the Music Menu. This library sorts all your music by artist, album, genre, star, year and all items. To access your library, follow the directions below:

- Select Music from the main menu
- Select Library from the music menu
- Select which category you want to search your song
- Select the file you want to play

## Last Track

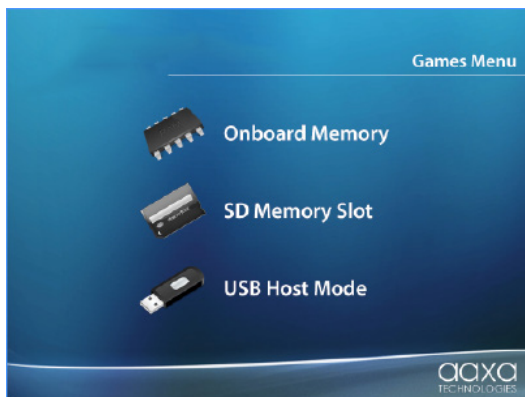
The Last Track item in the music menu will play the most recent track that was in progress before you shut off your projector. To access this icon, follow the same directions for “Library” but click instead on “Last Track” instead for the second step.

The OEM-250 micro projector's PMP system supports direct playback of written text

from pages of an ebook or text file. To access eBooks in memory or a SD Card, first select the "eBooks" item in the main menu:






Once in the eBooks menu, there are three items that can be selected to access the device where text files are stored (Note: eBook files must be in .txt format).




## Reading eBooks

The controls for ebooks is different from the other onboard programs. Please follow the directions below to better understand how to use ebooks with the OEM-250.

- To go to the **next page**, press the Vol- button ( on the remote).
- To go to the **previous page**, press the Vol+ button (.
- To **exit the book** and go back to the previous menu, press the (M) button on the far left of the control panel or  at the bottom of the remote.

**Note:** When you exit your ebook, the projector will “bookmark” the page you left off on. The next time you select the same book to read, the system will ask if you want to continue from your last page. Select Yes to start where you left off, select No to start from the beginning of the ebook.

## eBooks Settings Menu

To access the eBooks Settings Menu, press and hold down the Menu button on the keypad (M) or at the bottom of the remote . The options are:

**Add Bookmark** - Creates a bookmark on the current page

**Open Bookmark** - Access and open bookmarks in the current file

**Font** - Changes the font size

**Color** - Select the color of the text on screen

**Transition** - Turns on/off slide transitions between pages

**Rotate** - Changes the orientation of the page on screen

**Browse Speed** - Adjusts the speed of page changes when browsing

**Background** - Changes the background image behind the page text

The OEM-250 micro projector's PMP system lets you play games through the projector. To access games in memory or a SD Card, first select the "Games" item in the main menu:



Once in the Games menu, there are three items that can be selected to access the device on which games are stored:



There are three pre-uploaded games in the projector for your entertainment - Chess, Pick Block and Russia Block. Other games can be added to the on-board memory and you can also play games saved on a SD card.






\*Unfortunately new games are currently unavailable for purchase

## Chess Game

After selecting Chess Game from the game menu, you will be shown the following four options before starting your game:

- **New Game:** Select to start a new game
- **Level Setting:** Select to set the difficulty of the computer
- **Mode Setting:** Select to set if you or the computer makes the first move in the game. Also a choice for two player mode.
- **Exit:** Select to go back to game menu

## Chess Game Controls

- To **move up**, press the Vol+ button (  on the remote).
- To **move down**, press the Vol- button (  on the remote).
- To **move left**, press the left arrow/rewind  button.
- To **move right**, press the right arrow/fasforward  button.
- To **put down a stone**, press the play/pause  button.

## Pic Block

After selecting Pick Block from the game menu, you will be shown the following four options before starting your game:

- **New Game:** Select to start a new game
- **Level Setting:** Select to set the difficulty of the puzzle, from 9 to 49 blocks
- **Select Picture:** Select from five different puzzles to unscramble.
- **Exit:** Select to go back to game menu

The goal to this game is to unscramble the scrambled picture by moving pieces of the puzzle into the right position to form a complete picture. For experienced players, try playing this game on maximum difficulty.

## Pick Block Controls

- To **move up**, press the Vol+ button (▲ on the remote).
- To **move down**, press the Vol- button (▼ on the remote).
- To **move left**, press the left arrow/rewind (◀ button).
- To **move right**, press the right arrow/fasforward (▶ button).

**Note:** Which block will move depends on where the blank space is on the board.



## Russia Block

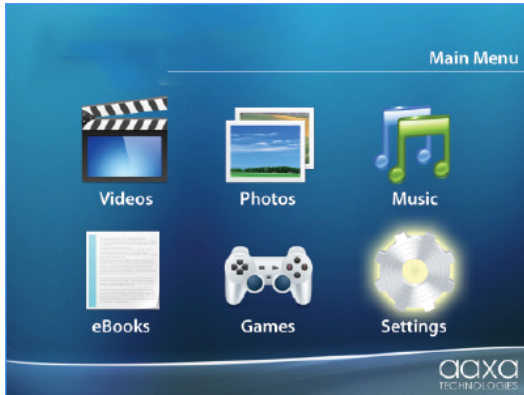
After selecting Russia Block from the game menu, you will be shown the following four options before starting your game:

- **New Game:** Select to start a new game
- **Level Setting:** Select to set the difficulty of the game
- **Exit:** Select to go back to game menu

## Russia Block Controls

- To rotate piece, press the Vol+ button (▲ on the remote).
- To move piece left, press the left arrow/rewind ⏮ button
- To move piece right, press the right arrow/fastforward ⏭ button
- To quickly drop piece, press and hold the Vol- button (▼ on the remote).

The Settings Menu can be accessed by selecting “Settings” on the main menu.



Once in the Settings menu, there are four items that can be selected to adjust the basic PMP system settings:



## Key Tone Effect

The key tone is the subtle “beep” your projector makes each time you press a button within the menu and submenus. To turn this sound on/off, select Key Sound Effect from the Settings Menu. From there you will have the option to change your preference.

## Menu Language

The projector allows you to choose from three different languages - Chinese, English and Simplified Chinese. To select your desired language, select Menu Language from the Settings Menu. From there you will be able to select which language you want by highlighting and then pressing the play/pause button.

## System Info

When this icon is selected, the projector will display the following system information - Software Version, Udisk Memory and Udisk Free (available Udisk memory). To access this icon, select System Info from the Settings Menu.

## Reset

When this icon is selected from the Settings Menu, it will prompt you if you want to reset the projector to the manufacturer default. Select ‘Yes’ to reset, select ‘No’ to keep current setting.

## THE PROJECTOR DOES NOT TURN ON

### Possible Causes

There is no power

### Solution

Check to ensure the power outlet or battery source is good. Check the power adapter to ensure a proper connection with the wall outlet as well as the projector. Confirm that the unit is charged and has enough power.

## NO PICTURE / FILE NOT SUPPORTED

### Possible Causes

The video source is not properly connected or selected

### Solution

Check the video source signal to ensure that it is properly connected. Select the correct input source by choosing the input desired from the main menu.

Incorrect file extension / Video is encoded with incorrect codec

Please refer to “Specifications” page to see which file types and codecs are supported. Verify that the file was encoded properly.

## IMAGE IS BLURRED

### Possible Causes

The projector is not in focus

### Solution

Adjust the focus with the focus adjustment dial until the image comes into focus.

Image appears stretched when connected to an external device

Verify the output setting on device is configured to 4:3 aspect ratio

## PROJECTOR HAS NO SOUND

### Possible Causes

Incorrect volume settings

### Solution

Check both volume controls by playing a file and clicking Vol+ on the projector and (▲) on remote

# Specifications

<b>Brightness:</b>	250 ANSI-Lumen
<b>Resolution:</b>	SVGA (800x600)
<b>Contrast Ratio:</b>	1000:1
<b>Noise:</b>	<30 dB
<b>Projection Lens:</b>	Manual Focus
<b>Image Size:</b>	10 ~ 100 inches
<b>Lamp:</b>	15,000 hour RGB Triple LEDs
<b>Video In:</b>	Composite A/V VGA HDMI
<b>Audio Output:</b>	1 W stereo speakers 3.5 mm audio jack
<b>Storage Capacity:</b>	1 GB Flash SD Card: SD-HC Card Slot (16GB maximum)
<b>USB:</b>	USB Data Transfer
<b>Dimensions:</b>	138x135x49mm
<b>Weight:</b>	1.4lbs
<b>Supported File Formats:</b>	AVI, MPG, MKV, MP3, WAV, RMVB, RM, JPG, TXT