WARNINGS

CAUTION
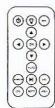RISK OF ELECTRIC SHOCK
DO NOT OPEN

Caution: To prevent electric shock, match the wide blade on the power cord plug to the wide slot on an electric outlet. If the plug does not fit, consult a licensed electrician to replace the obsolete outlet. Do not modify the power cord plug, or you will defeat this safety feature.
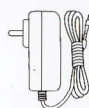
Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this apparatus during lightening storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
14. The mains plug or an appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.
15. Do not use this apparatus in the box or in the cabinet, it should be placed on a ventilation area.
16. Warning: To reduce the risk of electric shock, do not remove the cover or back, do not expose this apparatus to rain or moisture. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

1

DEFAULT ACCESSORIES

REMOTE CONTROL   POWER ADAPTER   USER MANUAL

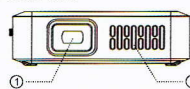## OPTION ACCESSORIES

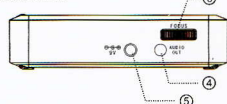VGA CABLE   AV CABLE   Mini Tropod
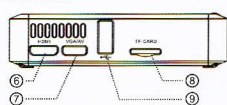
HDMI CABLE

2

USER MANUAL

AP410MV - MINI LED PROJECTOR
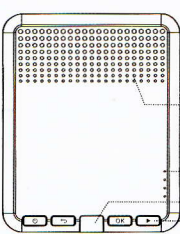
OVERVIEW

FRONT VIEW

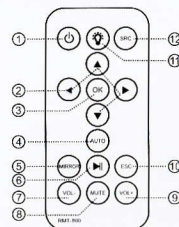
LEFT VIEW

RIGHT VIEW

BUTTON VIEW

1. Projection Lens
2. Cooling Holes
3. Focus
4. Audio Output
5. Power Supply Receptacle
6. HDMI Input
7. VGA Input/AV Input
8. Micro SD Card Slot
9. USB Input
10. Speaker
11. Tripod Screw
12. LED Indicator
13. Reset
14. IR Sensor
15. Wheel Key

⏻ --- Long press: Turn off
     Short press: Battery indicator
↩ --- Return
OK --- Enter / Play / Pause
▶ --- Select loop / Volume

3

REMOTE CONTROL FUNCTIONS

1. Power On /Off
2. Up/Down/Left/Right
3. OK
4. AUTO(detect the external input signal again)
5. Rotation/Mirror
6. Play/Pause
7. Volume Down
8. Mute
9. Volume Up
10. Return to upper menu
11. Brightness(Circular select brightness mode)
12. Return to main menu directly

4

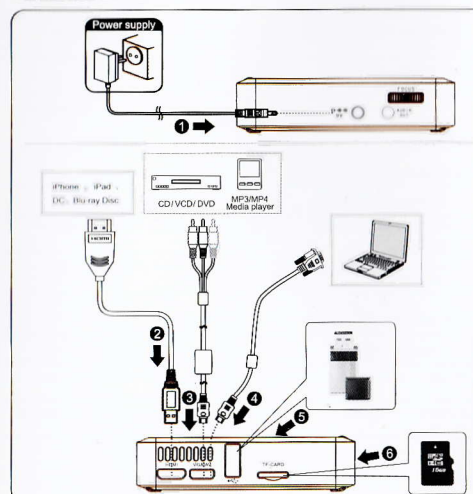## OPERATION

STARTUP AND SHUTDOWN

STARTUP - Connect the external power supply to DC in jack on projector, see connection ❶ , press Power key on remote control or long press the middle wheel key on the projector to turn on the device.

SHUT DOWN - when the projector is ON, press Power key on remote control and long press the middle wheel key to turn off the device.

FOCUS ADJUSTMENT

The focus can be adjusted by turning the wheel located at the front of the projector.

CONNECTION DIAGRAM

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BATTERY CHARGING

This device is with built-in lithium battery, indication light is red when charging, indication light becomes green when battery is full. If the light is not red or green it may indicate the battery is damaged in which case please stop using the device immediately.

AV INPUT

To connect to an AV source, connect the AV cable and select the source as AV by pressing " ◀ / ▶ " (see figure 1) on the remote control or via the button " ▶ " on the device and press OK to project the video from the external AV source eg DVD, Camera, TV set top box. etc.

(FIGURE 1)

HDMI INPUT

To connect to a HDMI source, connect the AV cable and select the source as HDMI by pressing " ◀ / ▶ " (see figure 2) on the remote control or via the button " ▶ " on the device and press OK to project the video from the external AV source eg DVD, Camera, TV set top box. etc.

(FIGURE 2)

VGA INPUT

To connect to a VGA source, connect the AV cable and select the source as VGA by pressing " ◀ / ▶ " (see figure 3) on the remote control or via the button " ▶ " on the device and press OK to project the video from the external AV source eg DVD, Camera, TV set top box. etc.

(FIGURE 3)

6

PLAYING BACK FILES VIA USB/SD CARD USING MULTIMEDIA PLAYER

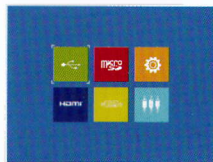**Player supports the following formats:**

Picture format: JPEG, BMP, PNG
Audio format : WMA
Video format : H.264, MJPEG, MOV, AVI, RMVB, RM, MKV, MP4
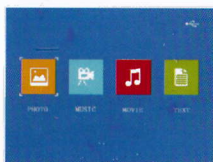Text format : TXT

Photos, music, text and video files can be played back via the card / USB stick.
1. Turn on the projector
2. Go into main menu (see Figure 4)

(FIGURE 4)

3. Insert USB/SD Card into the projector (see p7)
4. Press ◀ / ▶ key or press the OK button on the device to enter the USB/SD menu
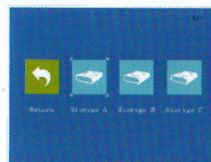5. Select the type of file you want to play eg photos music video or text (Figure 5) and press OK
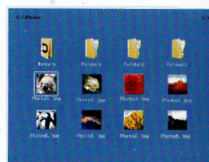
(FIGURE 5)

6. Select the files you want to play
7. Press the PLAY key on the remote or press the middle wheel key

First select menu " PHOTO " and press " OK " key on remote control or on the device to enter into next menu.
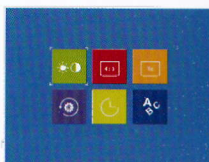
7

(FIGURE 6)   (FIGURE 7)

ACCESSING FUNCTIONS DURING PLAYBACK

There are a number of features available whilst viewing your files which can be accessed by clicking "OK" key on the remote or on the device. A new menu will appear providing numerous functions including:
Play/Pause, Preview, Next, Stop & Exit, Repeat, Background Music On/Off, Play List, Information of current photo play, Clockwise rotate, Counterclockwise rotate, Zoom out, Zoom in, Move.

MENU SETTINGS

In any mode, press " SETUP " key to return to main menu. Press " ◀ / ▶ " on remote control or " ▶ " on wheel key of projector, select and enter in " SETUP " menu, you can set up the video, sound, time, setup, specific setup is as below.

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SPECIFICATIONS

PROJECTION SYSTEM

Resolution:	VGA (640x480)
Brightness:	40 Lumens
Contrast Ratio:	800:1
Aspect ratio:	4:3
Noise:	<28 dBA
Projection Size:	Available Size 25 ~ 90 inch
Projection Lens:	Manual Focus
Lamp:	20,000 Hours
Projection Angle:	33.6°

GENERAL SPECS

Audio/Video Input:	Stereo Audio
	Composite Video (CVBS)
Audio Output:	built-in 1 x 1.5W speaker
VGA:	PC VGA
USB:	Standard 4 Pin USB
HDMI:	Type C
SD/MMC Card:	SDHC
Power Adaptor:	Input: AC100 - 240V, 50Hz/60Hz
	Output: 9V ⎓1.5A
Power Consumption:	8 Watts
Battery:	Lithium battery 1500mAh/7.4V
Operating temperature:	0°C - 40°C
Operating humidity:	25% - 88%
Supported Languages:	English
Weight:	150g
Dimensions:	92*75*22mm(LxWxH)

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MAINTENANCE

The Projector needs proper maintenance.

Lens Cleaning - You should keep the lens clean and free of dirt and debris by using a soft lint-free cloth.

General Cleaning - To clean the projector, first unplug the projector and wipe the projector with a soft lint-free cloth. Slightly moisten cloth as needed. Do not use alcohol, benzene, or other cleaning detergents as this may cause discoloration or warping of the case.

Lamp Replacement – The projector use a 20,000 hour LED lamp that does not need replacement. Do not attempt to replace the LED lamp.

Opening the Projector – There are no serviceable parts in the projector. Do not attempt to open.

Remote Control Battery Replacement – The Remote control uses a CR2025 battery. Please use only CR2025 type batteries for replacement.

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TROUBLESHOOTING

THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
On power	Check to ensure the power plug or battery source is good. Check the power adapter to ensure a proper connection with the wall outlet as well as the projector.
Over heating	Wait until the projector has fully cooled to restart.

IMAGE IS BLURRED

Possible Causes	Solution
The Projector is not in focus	Adjust the focus with the focus adjustment dial until the image comes into focus.
Lens protective film is not removed	Please tear off the protective film.
The lens is dirty	With a soft , lint-free cloth to wipe the projector lens.

REMOTE CONTROL DOES NOT WORK

Possible Causes	Solution
The remote control is dead	Replace the battery with comparable CR2025 battery

MICRO SD CARD IS NOT RECOGNIZED

Possible Causes	Solution
Micro SD Card is not inserted properly	Re-insert Micro SD Card
Micro SD Card is damaged	Replace Micro SD Card

USB STICK DOES NOT RECOGNIZE

Possible Causes	Solution
USB stick is not inserted properly	Re-insert Removable USB stick
USB stick is damaged	Replace Removable USB stick

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VGA PORT DOES NOT WORK

Possible Causes	Solution
VGA cable is not connected properly	Reconnect VGA cable to ensure proper connection
Laptop does not switch to external VGA mode	Switch laptop to external VGA mode
PC VGA output mode is not in range of specification of the projector	See page 15: The projector supports common formats

HDMI PORT DOES NOT WORK

Possible Causes	Solution
HDMI cable is not connected properly	Reconnect HDMI cable to ensure proper connection
Laptop does not switch to external VGA mode	Switch laptop to external VGA mode
HDMI output mode is not in range of specification of the projector	See page 15: The projector supports common formats table

AV PORT DOES NOT WORK

Possible Causes	Solution
AV cable is not connected properly	Reconnect AV cable to ensure the correct connection.
External video device, has not display	Ensure external video device has output.

THE BATTERY CAN NOT BE CHARGED

Possible Causes	Solution
the battery is damaged	Please contact with service center for maintenance (do not unpack in person).
the battery is over-heat	Please turn off the device and then re-charge when cool down.

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THE PROJECTOR SUPPORTS COMMON FORMATS

Source	Signal	Refresh rate (HZ)	Resolution
Composite video	NTSC	60	720*480
	PAL	50	720*576
Analog RGB (VGA)	VGA	60/66/72/75	640*480
	SVGA	56/60/72/75	800*600
	XVGA	60/70/75	1024*768
	SXVGA	60/70/75	1152*864
		60/75	1280*960
		60/72/75	1280*1024
	WXVGA	60/75	1280*768
		60	1360*768
		60/75	1280*800
		60	1400*900
HDMI	SDTV(480i)	60	720*480
	SDTV(576i)	50	720*576
	SDTV(480P)	60	720*480
	SDTV(576P)	50	720*576
	HDTV(720P)	50/60	1280*720
	HDTV(1080i)	50/60	1920*1080
	HDTV(1080P)	50/60	1920*1080

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※ Tip: product pictures, information may be nuances and physical, if it updated without notice .

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