



Multi-Media LCD Projector

User Manual

XPL-520



Javes Projector

Address: Room 207, Block B, Seaview Estate, Watson Road, North Point, Hong Kong
Tel: (852) 2887-5151 e-mail: jng@javesprojector.com Web-site: www.javesprojector.com

Thank you for buying our product.

Warnings:

Please read this specification carefully so that you can understand and use the projector correctly. After reading it, please conserve this specification for next using.

Notice:

The specifications are subject to change without any notice.

The manufacturer of this product will not take the responsibility for the written mistake of the specifications.

Please do not copy, transshipment and use part or all content of this book.

About the brand:

VGA&XGA is the registered trademark of International Business Machines Corporation.

VEESA&SVGA is the registered trademark of Video Electronics Standard Association.

Windows is the registered trademark of Microsoft Corporation.

Other name of company or brand is the brand of the company or the registered trademark of the company.

Confirmation of the product contained in the package.

Please confirm the goods below in the package. If there are some loss or quality issues, please contact with the dealer who sold you the product immediately.

Please conserve the package so that it can be used next time if reshipment. When you move the projector, make sure using the original package. Please take care of the lens especially.

1. Projector (with the lens cap).
2. Remote Control (with the battery).
3. Power Supply Cables (connected with projector and electrical outlet).
4. 1.5 meter Complex Video Cables and a VGA Cable (connected with computer, video and audio).
5. Manual (the methods of using the projector)

Especial notice

The point to getting clear picture is adjusting contrast ratio, brightness, focus properly, otherwise, the picture will be blurry.

You will not be allowed to turn off the projector if the projector works less than 3 minutes, otherwise, the lifetime of lamp will be shorten, and may be bring some troubles to next using.

The internal of projector has high voltage, strictly prohibit touching this part.

Turn off the power will be allowed when you make sure that the projector was turned off about 5 minutes and the projector was cool. Otherwise, the lifetime of lamp will be shorten and may be bring some troubles to next using.

Warnings:

The lamp of the projector working will bring high temperature; there are some risks of fire and scalding. So please take care of using it if the projector is used in the family with children.

When the projector is working or after working awhile, please do not touch the lens/exhaust fan/intake to avoid scalding. Keep aeration.

Please do not put anything beside the lens, exhaust fan and intake.

Please do not jam the lens, exhaust fan and intake.

Content

Chapter 1 Preparation

Section 1	Setting	4
Section 2	Connecting of the Signal.....	4
Section 3	Control Buttons.....	5
Section 4	Using the Remote Control.....	6

Chapter 2 Basic Operations

Section 1	Turning on the Power	6
Section 2	Turning off the Power	7
Section 3	Adjusting the Picture of the Projector.....	7
Section 4	Adjusting the Quality of the Picture	8

Chapter 3 Advanced Operations.....8

Chapter 4 Appendix

Section 1	Troubleshooting	11
Section 2	Maintenance.....	13
Section 3	Specifications	14

Chapter 1 Preparation

Section 1 Setting

Setting

There are two methods to project this projector, please choose the best method base on the condition of the place.

1. Project front: Keep in line or put it a little up then project to the screen
2. Suspend the projector to the ceiling and project front.

Notice:

You need to use projector-suspending shelf if you want to put the projector on the ceiling. Please contact with the dealer if you want to use this method.

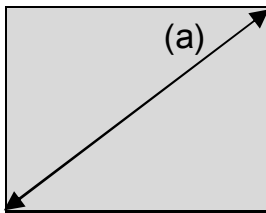
The size of projection screen and the distance of projection.

Please refer to the diagram to confirm the size of picture and the distance of projection.

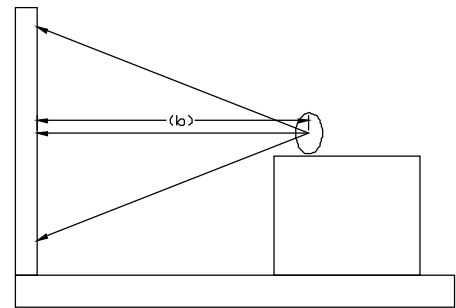
Full screen: 800×600

(a) Size of screen

(b) The distance between Projector and Screen ($\pm 5\%$)



List (1)



Diagonal screen size[Inch(m)]	Screen ratio 4:3/16:9	Diagonal screen size[Inch(m)]	Screen ratio 4:3/16:9
	Projection Distance [Inch(m)]($\pm 5\%$)		Projection Distance [Inch(m)]($\pm 5\%$)
30 (0.80)	35 (0.90)	80 (2.00)	95 (2.40)
40 (1.00)	47 (1.20)	90 (2.30)	106 (2.70)
50 (1.30)	60 (1.50)	100 (2.50)	118 (3.00)
55 (1.40)	65 (1.65)	110 (2.80)	130 (3.30)
60 (1.50)	70 (1.80)	120 (3.00)	142 (3.60)
70 (1.80)	83 (2.10)	150 (3.80)	177 (4.50)

Section 2 Connecting of the Signal

Connected with the computer

Please turn off the power of the projector and the signal before connecting, may be it will bring troubles if connecting under the condition of power turning on.

Please confirm whether the plug of line is fit to the input connecting of the projector, the projector will be mangled if insert the plus with different figure and different pins.

Set projector to the “VGA” by using the button “PC/ AV”.

You’d better set the resolution and frequency to 800×600 and 60HZ when connected with the computer.

Connected with the video and audio

The signal source (DVD/ VCD/ Video Recorder/Camera) input by using A/V cables (red/ white/ yellow).

Notice:

After connecting, please set menu to AV input by using the button “PC/ AV”.

Video output and left/right Audio output of signal source should connect with corresponding input port.

To play and tune high quality sound effective, you can connect the signal source of audio output with audio input port of audio play equipment such as amplifier and loudspeaker.

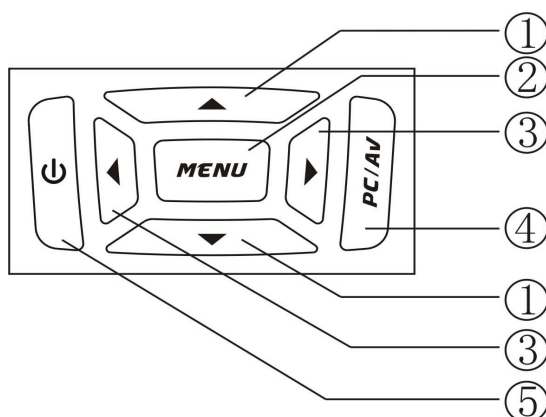
Connected with loudspeaker

You only connect audio output port with the loudspeaker which taking amplifier by an audio cable, then you can enjoy the beautiful bourdon.

Please use the designated-type cables for the connection.

Section 3 Control Buttons

The picture is as follows:

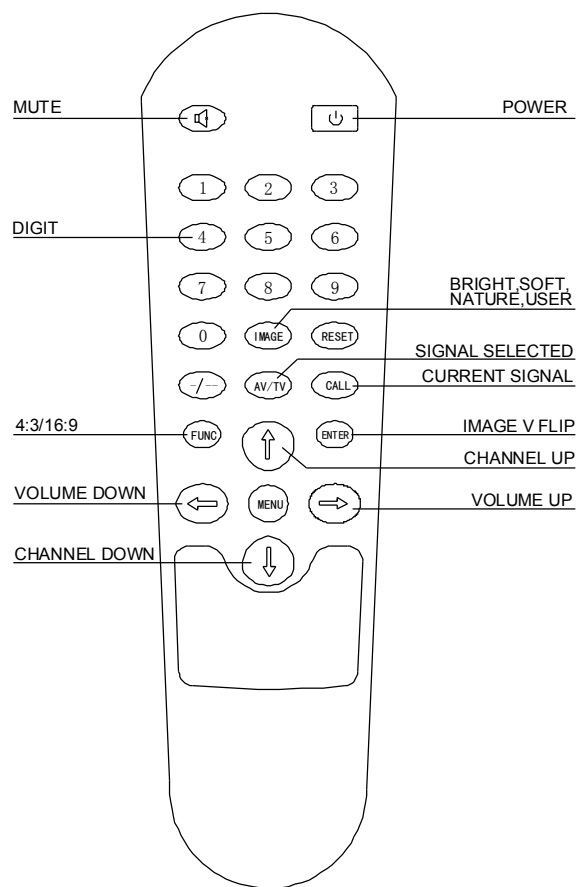


- ① Channel Switch Button/Select an item to operate

- ② Menu Button: All the functions and sub-menu will appear
- ③ Volume Adjust Button/Operate the item
- ④ INPUT Button: All of modes will appear
- ⑤ STANDBY/ON Button: Power off/on

Section 4 Using the Remote Control

Remote control show below as the picture:



Chapter 2 Basic Operation

Section 1 Turning on the Power

1. Make sure that power of the projector and all equipment connecting with the projector is turned off.

2. Connect the computer or signal with projector.
3. Lift down the lens cover.
4. Connect the power electrical outlet with projector by using the power cable.
5. Turn on the power of equipment, which is connected with the projector.

If the operation is prerequisite to make the signal work, please set it to normal working.

6. When you connect the power of projector, the indicator light turns red from orange.

Press the POWER button on projector or on remote control, indicator light which turns green shows that projector has worked normally (if signal source has not connected with projector, the indicator will keep red).

7. If the input port setting by interior of projector is not fit with the outside equipment, you need to use the button or menu of remote control to choose the port of connecting equipment.

Notice:

If there are no signal all the time, please double check connecting or the signal output from outside equipment is ok or not.

Section 2 Turning off the Power

Below are the steps to turn off the power:

Operation:

1. Turn off the power of signal, which connects with the projector.
2. Press the POWER button on the projector or on the remote control.
3. The projector light black out, and cooling, the fan stop working about five minutes, turn off the central button of power, and it is turn off for all.

If the projector will not use in a long time, please continue below operation.

4. Pull out power connector plugs of from connector jack.
5. Put on the lens cap.

Section 3 Picture Adjusting

Adjusting Picture size

The decision factor of picture size is distance between projector and screen. You can get the best image by adjusting the distance between projector and screen.

Please refer to List (1)

Adjusting Project degree

You can adjust the project degree to proper degree by adjusting the booster or

suspender of projector. When setting projector's position, to make sure decrease distortion, please put the projector to the place of vertical line of screen as close as you can. Aberrances of projector and vertical line of screen are more than 30 degree may cause distortion.

Section 4 Adjusting Picture Quality

Adjusting the focus

Circumvolve the focus ring until focus is ok and picture is clear.

Notice:

It is not able to focus when the lens is dirty or wet. Please clear the feculence.

If the distance of project is out of range, it will be not able to focus. If it is hard to get correct focus, please confirm the distance of projection.

Chapter 3 Advanced Operations

Section 1 Signal Selected

It will hereby introduce how to use the menu to operate various advanced operation as below.

Under the situation of menu off, Press the "PC/AV" button of projector or remote control to choose the signal of one of the VIDEO, S-VIDEO, VGA or TV. It is the same no matter you operates at projector or remote control.

Signal: press "PC/AV" button to get "PROGRAM" menu.

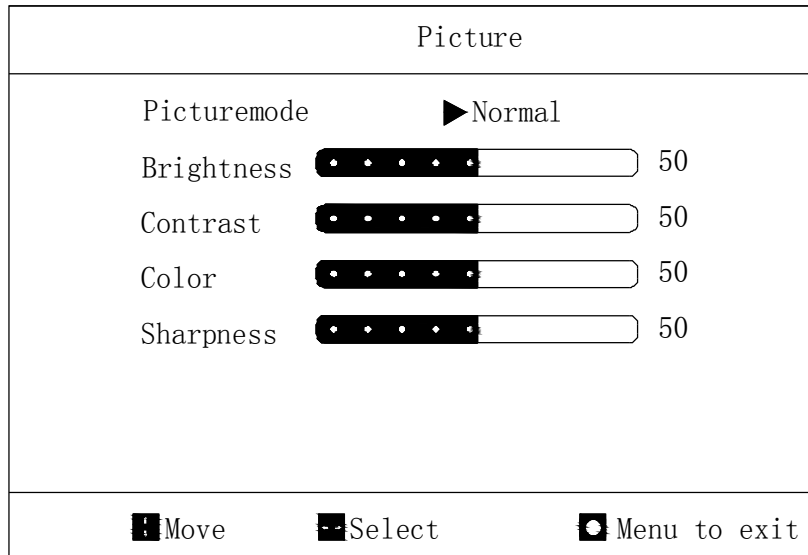
VGA	Computer
HDMI	High Definition Signal
YPbPr	YPbPr Signal
VIDEO	Video Input
S-VIDEO	S-video Input
TV (optional)	TV Input

Section 2 OSD

This projector has the following menus: PICTURE, DISPLAY, TV (with TV input), and VGA (with VGA input). Each of these menus is operated using the same methods. The images and basic operations of these menus are as follows:

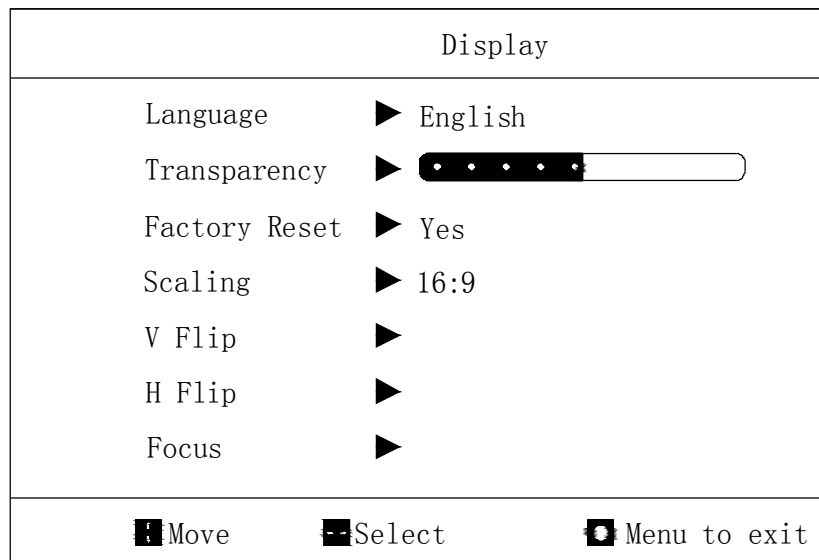
1. Picture

Use the buttons ←/→ to select an item to operate, and then press ↑/↓ to operate.



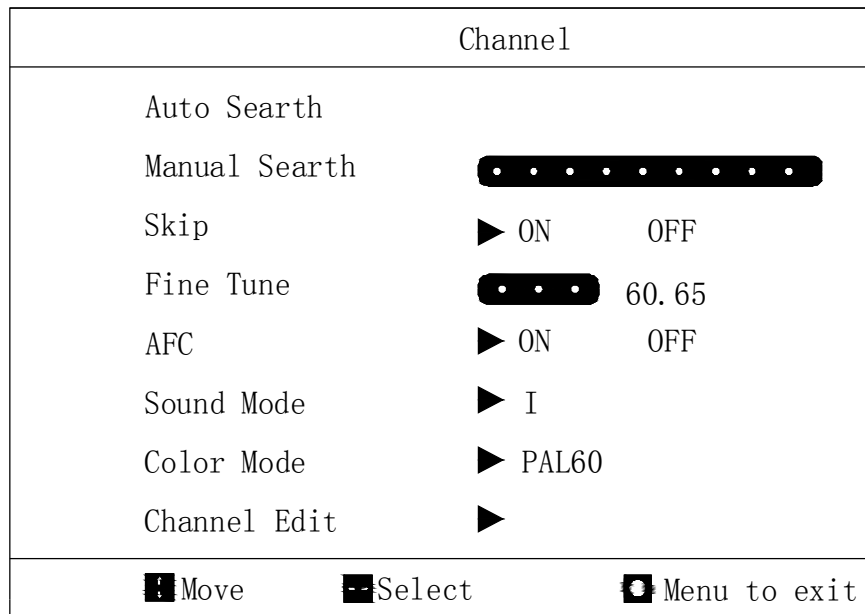
2. Display

Use the buttons ←/→ to select an item to operate, and then press ↑/↓ to operate.



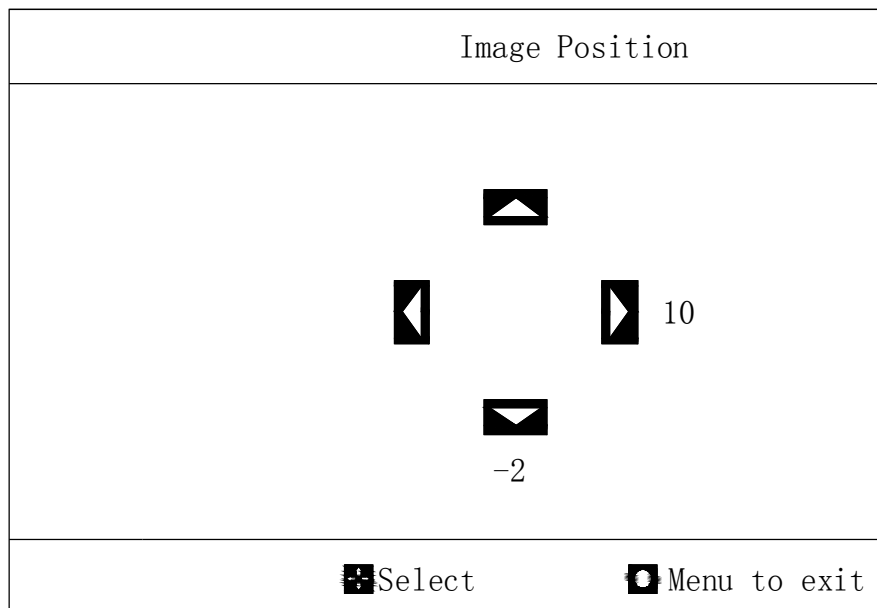
3. TV (with TV input)

Use the buttons ←/→ to select an item to operate, and then press ↑/↓ to operate.



4. VGA(with VGA input)

Use the buttons ←/→ to select an item to operate, and then press ↑/↓ to operate.



Chapter 4 Appendix

Section 1 Trouble Shooting

1. Projector do not project (power off)

- Take off lens cap or not.
- Connect power immediately after cut off the power. After cut off the power, when cooling, projector cannot be operated immediately; the operation is working after it gets cool (about five minutes).
- Press “POWER” button or not, or power switch do not turn on, central power was cut off because of power cut when operation.
- Does Brightness adjust too low?
- The input picture is all black or not. Some times the input picture is all black because of screen protect.
- Do not set bulb or it is not fixed up well, if do not set or become flexible, please cut off the power, turn on power after bulb getting cool and set the bulb well.

2. Projector can not project (show signal)

- Please confirm the signal is normal or not.
 - Please check the cable between signal source and projector is connecting or not.
 - Input switching settings match signal input port or not.
- When using notebook, switch to outside output, make it output signal to the projector not to the screen.

3. Picture illegibility

- Focus' adjusting is correct or not.
 - The project angle is too large or distance is too long.
- When projector departure vertical central line of screen too much, it is hard to focus since picture departure up/down/left/right.
- Do not adjust the right color setting.
- Please using menu function to change the setting of sharpness, brightness and color, we suggest you to use “come back to original setting” in menu function, then adjust more according working environment.
- Lens is smirched and dew or not?
- Please using muzzle or soft cloth scrape smirch; hard substance is not allow to wipe it.

4. The image is too big or too small.

- The choosing of resolution is correct or not.

Please keep setting of computer output signal and projector's consistent. We suggest that you set resolution and frequency to 800×600 and 60HZ.

5. Picture's color badness

- The connection of signal line is correct or not.
- The adjusting of picture's brightness and contrast ratio is correct or not.
- Is it time to change lamp?

When the time of changing lamp coming close, picture will become dark, you should change a new bulb.

6. No sound

- The connection of sound equipment and sound adjusting is suitable or not.

Use electronic cables connecting output port of sound equipment and input port of projector.(when using projector output sound) Use electronic cables connecting input port of sound equipment and output port of projector.(when using sound equipment output sound), if sound equipment broadcast sound.

- Does output of volume adjust to voiceless mode?
- There is no video signal input or original signal is silent.

7. Can not use remote control for operation

- Does it have batteries? Is polarity correct or not. Is power weak?
- Do operate the remote control by correct orientation?
Range of operation degree: follow $30\pm 10\%$ degree of projector's front.
- Do put the front of remote control to projector for operation?
- Is the distance to projector too far?
Operation distance is $5.5\pm 5\%$ meters.
- Is remote sensor affected by strong light from sunshine or fluorescent lamp?
Remote sensor is prohibited to be shined by strong light.

8. Distinguish the indicator light

Power Light	Content
Bright red	Power on and is on working
	No image, no signal, need switch the signal.
Red	Alarm signal (indicate it will be power off), turn off after power off. Turn on it when it gets cool.
Green	It is on working
	Press “power” button to sleep
	Signal stopping
Green to red	It is switching the signal
	Power off
Red to green	Press “power” button to power on
	Restore the former signal

Section 2 Maintenance

Projector washing and replace the consumed parts are as follows:

Washing

When display effect change bad because of feculences, please washing the projector.

Projector washing

Please lightly wipe the feculence on the crust of projector. If soiling is severe, dip soft cloth in water or a neutral cleaner diluted in water, and wipe lightly after wring well. Then wipe lightly with a soft, dry cloth.

Note:

Please do not use care, alcohol, thinner or other volatile substance. Otherwise, crust will change figure or jpanning falling off.

Lens washing

Please lightly wipe lens with special paper which using in washing lens.

Replace the consumed parts

We will hereby instruct how to replace the lamp.

Time of replacing

This product is not designed for continuous use of long time. In the case of continuous use for long time, the lamp’s lifetime will be shortening. Please replace the lamp when you

meet these problems.

- The lamp burn out, but other parts are normal.
- The image become darker or unclearly.

Note:

- If above phenomenon has occurred, we suggest you replace the old lamp as soon as possible.
- We also suggest you prepare the lamp for reserving and purchase the lamp from our dealer.

Replacement

Operation:

1. Before replacing the lamp, turn the projector off and unplug the power cord, and then wait at least 45 minutes for the lamp to cool sufficiently.
2. Turn it over, and put it on the projector, loose the 4 screws of the cover of lamp garage, then open it.
3. Loose the 3 screws fixed inside cover, then lift the cover forward and pick it up.
4. You can see the bulb is blocked in the white lamp stand, push one of bulb's end lightly and take it out. (The protruding in the stand blocks the bulb). Do not loosen the fixed screws on the stand. Prevent the bulb deviating from the centre.
5. After picking the old lamp out, you can put the new one's end into the white stand and push it lightly into the stand.
6. Back to the 3rd and 2nd step, and tweak the fixed screws. At last, put the projector over.
7. When you insert the lamp into the stand, please keep the vent of the lamp forward.

Section 3 Specifications

Notice: The specifications are subject to change without any notice because of technical advancing.

Item		Specification
Product Name		Multimedia Projector
Liquid Crystal Panel	Projection system	5 inch TFT LCD×1projection
	Pixel(Resolution)	800×600 RGB
	Aspect	4:3 or 16:9
Lens		Manual Focus/10 Grades Zooming
Lamp		150W

Contrast	500:1	
Brightness	1500 Lumens	
Color Palette	16.7 Million	
Speaker	8 Ω ×5W×2	
Noise	35dB	
Power Supply	AC 200V-240/50-60HZ, 2A or AC 90V-240/50-60HZ, 2A	
Power Consumption	225W±10%	
Temperature Range	5°C-35°C	
Size	430mm(L)x340mm(W)x187mm(H)	
Weight	3.3±0.2Kg	
Ports	Audio Input	AUDIO.....RCA Faucet×4
	Video Input	RGB×1(15 D-sub port)
		VIDEO×1,S-VIDEO×1
	TV Input(optional)	TV-PAL.....DIN×1
	HDMI Input(optional)	HDMI×1
YPbPr Input(optional)	YPbPr×3	