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PB7200 BenQ PB7220 PB7100

User's Manual

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Fill this in!!					
	In case service is needed in the future, record the information described below. The serial number is on the back of the product.				
Projector Informa	ation				
Product Name:	PB7200/ PB7220/ PB7100				
Serial Number:					
Date of Purchase:					
Dealer Information	on				
Dealer:					
Tielephore P.com Number sponsored by DM	Werchant com (200) 221-226				
Address	Melclidiit.Colli (000) zor-000				

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THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

INTRODUCTION



Caution

TO PREVENT SHOCK, DO NOT OPEN THE CABINET. NO USER -SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. PLEASE READ THIS USER'S MANUAL BEFORE YOU OPERATE YOUR PROJECTOR. SAVE THIS USER'S MANUAL FOR FUTURE REFERENCE.

Safety Instructions

- Read this user's manual before you operate your projector and save it for future reference.
- The lamp becomes extremely hot during operation. Allow the projector to cool
 for approximately 45 minutes prior to removing the lamp assembly for
 replacement. Do not operate lamps beyond the rated lamp life. Excessive
 operation of lamps beyond the rated life could cause them to explode on rare
 occasions.
- Never replace the lamp assembly or any electronic components unless the projector is unplugged.
- 4. To reduce the risk of electric shock, do not disassemble this appliance. Take it to a qualified technician when service or repair is required. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
- 5. Do not place this product on an unstable cart, stand, or table. The product may fall, sustaining serious damage.
- This product is capable of displaying inverted images for ceiling mount installation.
 Please use suitable equipment for mounting the unit and ensure it is securely installed.

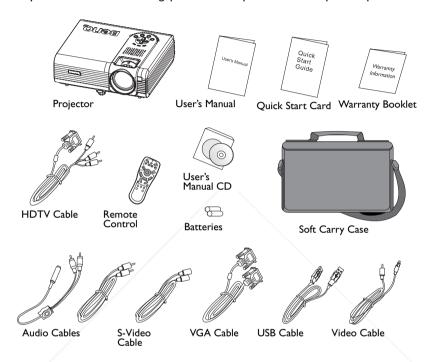
Λ

**** Caution

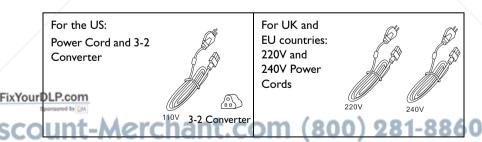
- Always open the lens shutter or remove the lens cap when the projector ixYourDLPlannp is on.
 - Do not look straight at the projector lens during operation. The intense light beam may damage your eyes.
- In some countries, the line voltage is NOT stable. This projector is designed to operate safely within a bandwidth of 110 to 230 volts, but could fail if power cuts or surges of more than 10 volts occur. In these high-risk areas, it is recommended that a power stabilizer unit be used in conjuction with this projector.

Shipping Contents

The projector is shipped with the cables required for connection to standard PC or laptop computers. Carefully unpack and verify that you have all the items shown below. If any of these items are missing, please contact personnel at the place of purchase.



Alternative Accessories

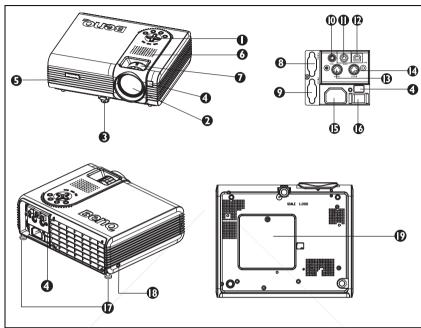


THEOPHORAL Accessories FOR PROJECTOR LAMPS AND ACCESSORIES

- I. Macintosh adapter
- 2. 250W lamp module
- 3. Ceiling mount kit

Projector Description

Projector



- External control panel (see next page)
- Projection lens
- Front adjuster
- IR remote sensor
- Ventilation grill
- Speaker

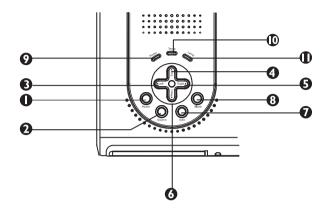
FixYourDl

- Projection lens adjuster
- RGB (PC/ Mac) signal input I
- RGB (PC/ YPbPr/ YCbCr) signal input
 - Video connector ക

- Audio jack Ð
- USB mouse connector P
- S-Video jack B
- RS 232 control port 1
- AC power cord inlet Ð
- Main power switch **1**3
- Ð Rear adjuster feet
- Kensington lock slot Ð
 - 281-8860

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External Control Panel



1 Power

Presses the **Power** key to turn the projector on or off.

? Source

Selects signal sources from among RGB-1, RGB-2, YPbPr. S-Video and Video.

3 Left 4 Exit 5 Right 6 Menu

Menu will display the menu system on screen. Press Menu again to access the sub-menus. Left and Right help you navigate among choices and settings in the menus and sub-menus. However, when the on-screen menu is not activated, the Left and Right buttons will function as Keystone -/+ hot keys. Press the Exit button to go back to the main menu. Press Exit again to leave the ixyour menu system.

7 Auto

Automatically determines the best picture settings for current received signals.

(3) Blank

Uses **Blank** to hide the screen image. You can unseal the image gradually by using the mouse of the remote control, or simply press **Blank** to turn on the image immediately.

Power indicator

It will light up or flash when the projector is under operation.

Temp indicator

The Temp indicator will flash when the system temperature is too high, which may occur if the projector is operated improperly. See "Temp Information" on page 24 for more detailed information.

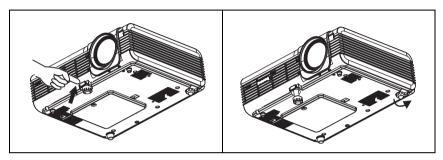
1 Lamp indicator

The Lamp Indicator will light up when the lamp needs service or replacement. See "Lamp Information" on page 22 for more detailed information. ACCESSORIES

Adjuster

The projector is equipped with I quick-release adjuster foot. Push the button to adjust its tilt angle.

- 1. Lift the projector up and press the adjuster button to release the adjuster.
- 2. The adjuster will drop into position and be locked.



Projector Features

The projector integrates high-performance optical engine projection and a user-friendly design to deliver high reliability and ease of use.

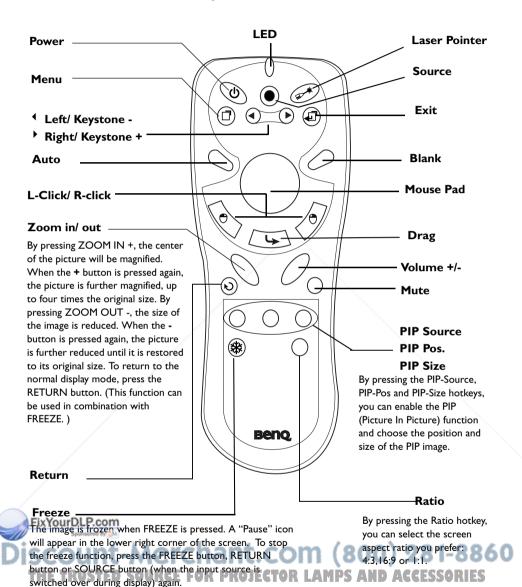
The projector offers the following features:

- Small and light for portability
- Full-function remote control with laser pointer/ remote mouse function
- · High quality manual zoom lens
- One-key auto-adjustment to display the best picture quality
- Digital keystone correction to correct distorted images
- Adjustable color balance control for data/video display
- Ultra-high brightness projection lamp
- Ability to display 16.7 million colors
- On-screen menus in 8 languages: English, French, German, Italian, Spanish, Korean, Traditional Chinese and Simplified Chinese.
- Switchable Normal/ Economic mode to adjust the power consumption
- Powerful AV function to provide high quality AV picture
- HDTV compatibility (YPbPr)

Note: The brightness of the projected image will vary depending on the ambient lighting conditions and contrast/brightness settings.

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Remote Control Description

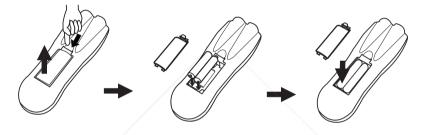


Remote Control Effective Range

The remote sensors are located on the front and the back of the projector. It can function in a range of 30 degrees horizontally and 30 degrees vertically relative to a line that is a right angle to the remote sensors. The distance between the remote control and the remote sensors must be shorter than 6 meters (19.5 feet).

Installing or Replacing Batteries

- Push and open the battery compartment lid in the direction shown.
- Install batteries as indicated by the diagram inside the compartment.
- Position the lid over the compartment and snap it back into place.



\bigwedge Caution

Avoid excessive heat and humidity. There may be danger of an explosion if batteries are incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

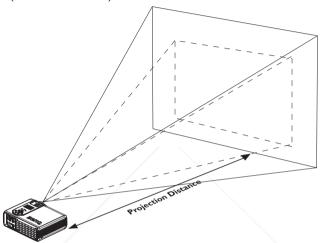


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INSTALLATION

Screen Size

Place the projector at the required distance from the screen according to the desired picture size (see the table below).



• PB7200/ PB7220 (XGA) screen size chart

	Dist	ance	Diagonal measurement					Distance from		Diagonal measurement					
		screen	Mini	mum	Maxi	mum				screen		Minir	num	Maximum	
	11 0111 3	sci celi	zo	om	zoom			3010	CII	zoc	om	zoom			
	feet	inches	feet	inches	feet	inches		meters	cm	meters	cm	meters	cm		
	4	48	2.49	29.9	3.05	36.6		I	100	0.62	62.2	0.76	76.2		
	6	72	3.73	44.8	4.57	54.9		1.5	150	0.93	93.3	1.14	114.3		
	8	96	4.98	59.7	6.10	73.2		2	200	1.24	124.5	1.52	152.4		
	10	120	6.22	74.7	7.62	91.4		2.5	250	1.56	155.6	1.91	190.5		
	12	144	7.47	89.6	9.14	109.7		3	300	1.87	186.7	2.29	228.6		
	14	168	8.71	104.5	10.67	128.0		3.5	350	2.18	217.8	2.67	266.7		
	16	192	9.96	119.5	12.19	146.3		4	400	2.49	248.9	3.05	304.8		
	18	216	11.20	134.4	13.72	164.6		4.5	450	2.80	280.0	3.43	342.9		
our	Dbp.c	01240	12.45	149.4	15.24	182.9		5	500	3.11	311.2	3.81	381.0		
	22	264	13.69	164.3	16.76	201.2		5.5	550	3.42	342.3	4.19	419.1		
-	24	288	14.94	179.2	18.29	219.5	~	6	600	3.73	373.4	4.57	457.2		
-	26	312	16.18	194.2	19.81	237.7		6.5	650	4.04	404.5	4.95	495.3		
T	28	336	17.42	209.1	21.34	256.0	П	017 L/	700	4.36	435.6	5.33	533.4		
	30	360	18.67	224.0	22.86	274.3		7.5	750	4.67	466.7	5.72	571.5		
	32	384	19.91	239.0	24.38	292.6		8	800	4.98	497.8	6.10	609.6		

•	PB7100	(SVGA)	screen	size	chart
---	--------	--------	--------	------	-------

Distan	cefrom	Diagonal measurement			Distance from			Diagonal measurement				
	screen		Minimum		Maximum			screen		num	Maxir	num
SCI	cen	zo	om	zo	om		SCIT	ECII	zoom		zoom	
feet	inches	feet	inches	feet	inches		meters	cm	meters	cm	meters	cm
4	48	1.96	23.5	2.40	28.7		ı	100	0.49	48.9	0.60	59.9
6	72	2.93	35.2	3.59	43. I		1.5	150	0.73	73.4	0.90	89.8
8	96	3.91	47.0	4.79	57.5		2	200	0.98	97.8	1.20	119.8
10	120	4.89	58.7	5.99	71.9		2.5	250	1.22	122.3	1.50	149.7
12	144	5.87	70.4	7.19	86.2		3	300	1.47	146.7	1.80	179.7
14	168	6.85	82.2	8.39	100.6		3.5	350	1.71	171.2	2.10	209.6
16	192	7.83	93.9	9.58	115.0		4	400	1.96	195.7	2.40	239.6
18	216	8.80	105.7	10.78	129.4		4.5	450	2.20	220.I	2.70	269.5
20	240	9.78	117.4	11.98	143.7		5	500	2.45	244.6	2.99	299.5
22	264	10.76	129.1	13.18	158.1		5.5	550	2.69	269.0	3.29	329.4
24	288	11.74	140.9	14.37	172.5		6	600	2.93	293.5	3.59	359.4
26	312	12.72	152.6	15.57	186.9		6.5	650	3.18	317.9	3.89	389.3
28	336	13.70	164.3	16.77	201.2		7	700	3.42	342.4	4.19	419.3
30	360	14.67	176.1	17.97	215.6		7.5	750	3.67	366.8	4.49	449.2
32	384	15.65	187.8	19.17	230.0		8	800	3.91	391.3	4.79	479.I

Connecting to Various Equipment

HDTV Equipment

The projector is capable of displaying various High Definition TV display modes. Some of these sources are:

Digital-VHS (D-VHS) player

DVD player

Satellite Dish HDTV receiver

DTV tuners

Most of these sources will provide an analog component video output, a standard VGA output, or a YPbPr (default) format.

The projector is capable of accepting HDTV data through a YPbPr connector. Use a HDTV cable that came with your projector to display HDTV images.

The following standards are supported in the HDTV function:

480i

480p

FixYourDLP.0200

1080i

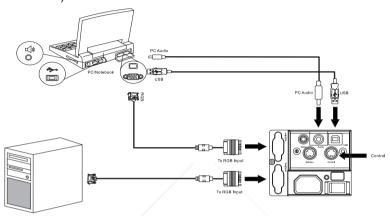
Please refer to "Menu System" on page 15 for information on the HDTV OSD selections.

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Connecting to Various Equipment

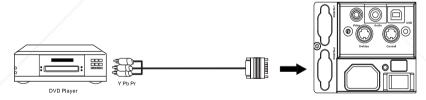
It only takes a few seconds to connect your projector to your desktop or notebook computer, VCR, or other systems. However, a Mac adapter (an optional accessory) is needed for connection to Macintosh computers.

 Notebook/ Computer (Macintosh computer or SOG signal is only supported with RGB IN-1.)



The USB cable is not needed unless you have a remote control with mouse functions.

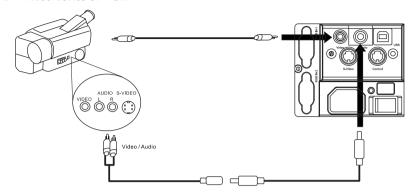
2. DVD player or HDTV can only support with RGB IN-2.



3. S-video device



4. Video device or VCR



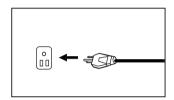


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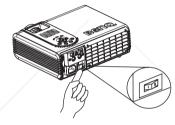
OPERATION

Start Up

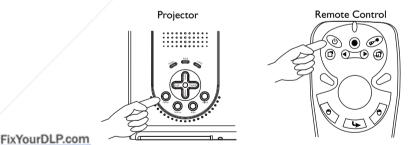
I. Plug the power cord into the projector and into a wall socket.



2. Turn on the main power switch.



3. Press and hold POWER to start the unit. The back-lit POWER key flashes green and stays green when the power is turned on.

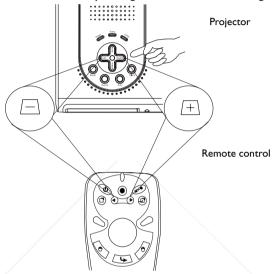


(When the power is turned off, there is a 90-second cooling period before the projector can be re-started.)

THE TPAJS Switch on all connected equipment TOR LAMPS AND ACCESSORIES

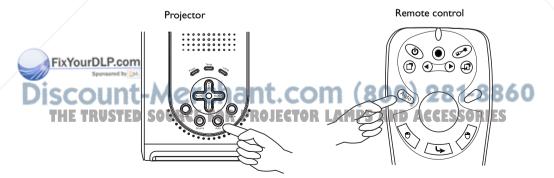
Digital Keystone Correction

Keystoning refers to the situation where the projected image is noticeably wider at either the top or bottom. To correct this, press **Left/Right** (hot key) on the control panel of the projector or KEYSTONE **hot parameters** / on the remote control, and then adjust the sliding bar labeled Keystone, as needed. Press + to correct keystoning at the top of the image. Press - to correct keystoning at the bottom of the image.



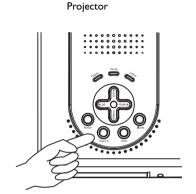
Auto Adjustment

In some cases, you may need to optimize the picture quality. To do this, press the AUTO key on the control panel of the projector or on the remote control. Within 3 seconds, the built-in Intelligent Auto Adjustment function will re-adjust settings to provide the best picture quality.



Source Selection

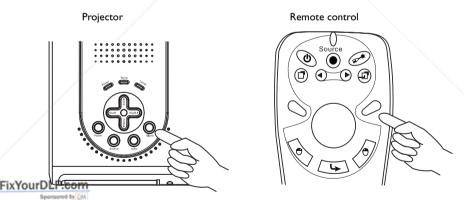
When several input sources are available, press the SOURCE key to make a selection from the control panel of the projector or the remote control.





Blank

Uses **Blank** to hide the screen image. You can unseal the image gradually by using the mouse of the remote control, or simply press **Blank** to turn on the image immediately.



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Menu System

Press **Menu** for the main menu, and then press or to select a sub-menu. Press Menu again to select items in the sub-menu.

Menu Bar	\bigcirc	*	0		
Sub-menu	Display	Image	Source	Control	PIP
PC	Keystone Brightness Contrast Phase H Size	Auto Resize H Position V Position Color Temp Information	Mirror Source Scan Volume Mute	Setup Economic Mode	Main page: PIP Source PIP Size PIP Pos. H Position
Y/Pb/Pr		Ratio Color Tint Color Temp		Reset Lamp Hour	V Position More Options Sub Page: Brightness
Video	Keystone Brightness Contrast Color	Ratio System Sharpness Color Temp			Contrast Color Tint Sharpness
S-Video	Tint	Information			System



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I. Display Menu

FUNCTION	DESCRIPTION
Keystone	Corrects any keystoning of the image.
Brightness	Adjusts the brightness of the image.
Contrast	Adjusts the degree of difference between dark and light in the image.
Phase	*This function is not available when the input mode is Video or S-Video.
H Size	Adjusts to fit in the desired image size. *This function is not available when the input mode is Video or S-Video.
YourDLI Spansored by DM	Increases or decreases the color range (R, G, B) of the image. *This function is not available when the input mode is PC.
count-M	Adjusts the image to make it appear more red or blue. *This function is not available when the input mode is PC.

2. Image Menu

FUNCTION	DESCRIPTION
Auto Resize	Makes the best fit of the image to the screen, 1. On 2. Off 3. 16:9 *This function is available only when the input mode is PC.
Ratio	Users have 2 options for the image ratio. 1. 4:3 2. 16:9 *This function is available when the input mode is YPbPr, Video or S-Video.
H Position	Adjusts the horizontal position of the projected image. *This function is available only when the input mode is PC.
V Position	*This function is available only when the input mode is PC.
Color Temp	Adjusts the color temperature to fit your preference. Shows the current resolution.
Information System	System information will be shown: 1.NTSC 2. PAL 3.SECAM 4. YUV
Sharpness	Adjusts the image to make it look sharper or softer. *This function is not available when the input mode is PC or YPbPr. Increases or decreases the color range (R, G, B) of the image. *This function is not available when the input mode is PC. SSOR IS
Tint	Adjusts the image to make it appear more red or blue. *This function is available only when the selected System is NTSC.

3. Source Menu

FUNCTION	DESC	RIPTION
	1. Default	2. Ceiling mounted projection
Mirror	3. Rear screen projection	4. Ceiling mounted and rear- screen projection
Source Scan	Shows the input source from amount and Video when several sources	ong RGB-1, RGB-2, YPbPr, S-Video are available.
Volume	Adjusts the volume level.	
Mute	Off On	



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4. Control Menu

FUNCTION	DESCRIPTION
Language	Language sets the language for the OSD control menus. Use the / / key to select the desired language from among English, French, German, Italian, Spanish, Korean, Traditional Chinese and Simplified Chinese.
	OSD Pos.
	Selects a desired OSD position.
OSD	OSD Time
	Sets the length of time the OSD will remain active after the
	last time you pressed the button. The range is from 5 to 60
	seconds in 5-second increments.
	Source Scan
	When selected, activates the Source scan function.
	Keystone Hold
	When selected, preserves the last keystone correction value
	even when the projector is restarted.
	Mirror Hold
	When selected, preserves the last mirror correction value
	even when the projector is restarted.
Setup	Blank Time
. /	Determines the length of time before the projector is shut off when Blank is activated.
	Auto Off
	Sets the length of time before the system is shut off when no input is detected.
	User Logo
	Enables the user to define his/her own logo screen that will
	display during strat-up. Three modes are available: Default
	(BENQ logo), black screen and blue screen.
Economic Mode	Selects Economic mode to lower brightness and extend the lamp life.
ourDLP.coReset	Returns all settings to their factory preset values.
Lamp Hour	Shows lamp usage time.

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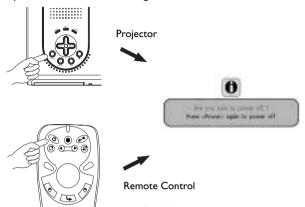
5. PIP Menu

These functions are available only when the input mode is PC and the PIP source is Video or S-Video.

FUNCTION	DESCRIPTION				
PIP Source	Selects the source for the PIP.				
PIP Size	Enables use of the 4 / key to scroll through the four alternatives: Off, Small, Medium, Large.				
PIP Position	Selects a desired position for the PIP. Benq Denq Benq Denq				
H Position	Adjusts the horizontal position of the PIP image.				
V Position	Adjusts the vertical position of the PIP image.				
More Options	Enables use of the 4 / key to select more PIP functions including Brightness, Contrast, Color, Tint, Sharpness and System.				
Brightness	Adjusts the brightness of the PIP image.				
YourDLFContrast Sponsored by DM	Adjusts the degree of difference between dark and light for the PIP image.				
courtints and the	Increases or decreases the color range (R, G, B) of the image. Adjusts the image to make it appear more red or blue.				
Sharpness	Adjusts the image to make it appear sharper or softer				
System	Shows PIP image systems: NTSC, PAL, SECAM				

Shutdown

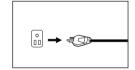
 Press and hold **POWER** and a warning message will appear. To turn off the projector, press and hold **POWER** again.



- 2. The fan will continue to run for approximately 90 seconds.
- 3. Turn off the main power switch.



4. Disconnect the power cord from the wall socket.



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Caution

Please do not unplug the power cord before POWER is shut down or dur-

THE TRUGING the 90-second cooling processor LAMPS AND ACCESSORIES
If the projector is not properly shut down, to protect the lamp, the system will detect this and cool the lamp for 90 seconds automatically before turning on again.

MAINTENANCE

Lamp Information

Use and Replacement of the Lamp

When the Lamp Indicator lights up red or a message appears suggesting the time of lamp replacement, please install a new lamp or consult your dealer. An old lamp could cause a malfunction in the projector and in rare instances may even break.

For more detailed information, please refer to "LED Indicator Status & Illustration" on page 24.



Caution

The Lamp and Temp indicators will light up if the lamp becomes too hot. Turn off the power and let the projector cool for 45 minutes. If the Lamp or Temp indicator still lights up when turning the power on, please contact your dealer.

Lamp Replacement



Caution

To reduce the risk of electrical shock, always turn off the projector and disconnect the power cord before changing the lamp.

To reduce the risk of severe burns, allow the projector to cool for at least 45 minutes before replacing the lamp.

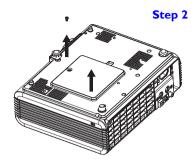
To reduce the risk of injuries to fingers and damage to internal components, use caution when removing lamp glass that has shattered into sharp pieces.

To reduce the risk of injuries to fingers and/or compromising image quality by touching the lens, do not touch the empty lamp compartment when the lamp is removed.

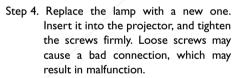
This lamp contains mercury. Consult your local hazardous waste regula-FixYour tigns to dispose of this lamp in a proper manner.

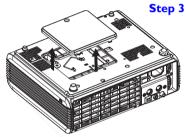
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- Step I. Turn off the projector. Disconnect the power cord from the outlet and the projector.
- Step 2. Loosen the screw and remove the lamp cover. If the lamp is hot, avoid burns by waiting 45 minutes until the lamp has cooled.



Step 3. Loosen the 3 screws. (It is strongly recommended that you magnetic-head screwdriver.) Pull the handle to remove the lamp housing. If the screws are not loosened completely, they could injure your fingers. Do not insert your hand into the box after the lamp is removed. If you touch the optical components inside. this could cause color unevenness in projected images.





Step 4

Step 5. Re-install the lamp cover and tighten FixYourDLP.combe screw. Do not turn on the sponsore power with the lamp cover removed. Whenever the lamp is replaced, reset the total lamp THE TRUST coperation time. Do not reset if the lamp is not replaced as this could cause damage.



Resetting Lamp Hours

If you replace the lamp after 2000 hours of operation, please follow the instructions below within 10 minutes of powering on.

OSD	FUNCTION
Press <menu> To RESET</menu>	Press and hold the Exit button on the projector for 3 seconds to display the total used lamp time.
Press <exit> To Leave</exit>	 Press the MENU button on the projector during the lamp hour message. An adjustment message will appear. Press ◀ or ▶ to reset lamp hours or press EXIT to leave.

Temp Information

When the LED lights up, it is warning you of the following possible problems:

- I. The internal temperature is too high.
- 2. The fans are not working.

Turn off the projector and contact qualified service personnel for further help. For more detailed information, please refer to "LED Indicator Status & Illustration" on page 24.

LED Indicator Status & Illustration

llustration

I. -: LED OFF

2. I : LED blinking



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	LED		Status & Description
Power	Temp	Lamp	
			Power events
0	0	0	Power switch on
0	-	-	Power-up cooling. Projector cooling system will auto-cool for 90 seconds when power was abnormal shutdown without cooling and power on again within hours.
0	-	-	Stand-by
G	-	-	Lamp LED is blinking during powering up.
0	-	-	Power-down cooling for 90 seconds after power has been turned off.
G	-	-	Normal operation
			Lamp events
-	-/	R	Lamp spoil, it is warning you that lamp usage has exceeded 2000 hours. Replace the projection lamp with a new one immediately.
-/	-	R	Lamp error, the lamp is not properly attached or lamp damaged. Please contact your dealer.
			Thermal events
R	R	-	Fan I error, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.
Ole Correction	R	G R G	Fan 2 error, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer. Fan 3 error, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.

G	R	-	Thermal sensor I over-temperature, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.
G	R	G	Thermal sensor 2 over-temperature, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.
G	R	G	Thermal sensor 3 over-temperature, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.
-	R	•	Thermal sensor I doesn't work, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.
-	R	G	Thermal sensor 2 doesn't work, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.
-	R	G	Thermal sensor 3 doesn't work, projector will auto shutdown. If you return on the power, and projector shutdown again. Please contact your dealer.



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Service Information

Accessories (included in the standard package)

Description	Part Number
Signal cable	50.J0508.502
Video cable.	50.J1303.501
S-Video cable	50.72920.011
RCA R/W audio cable	50.J1311.001
PC - PC audio cable	50.74405.501
Soft carry case	98.J7201.001
HDTV cable	50.J2401.001
USB mouse cable	50.73213.501
Remote control	98.J3401.011

Alternative Accessories

Power cord (for the US)	.27.01818.000
3-2 converter(for the US)	22.91007.001
Power cord (for EU countries)	.27.82718.281
Power cord (for UK)	27.01018.000

Optional Accessories (not included in the standard package)

Description of parts	Part number
Mac adapter (switchable)	20.20118.A15
250W lamp module	65.J4002.001
Ceiling mount kit	60.J7615.001

FixYourDLP.com Ordering Parts or Getting Information

For product information, product assistance, service information, or to order accessories, please visit the BENQ Corporation website at http://www.BenQ.com.

TROUBLESHOOTING

Common Problems & Solutions

NO POWER

Try these solutions:

- Make sure the power cord is inserted snuged into the AC adapter socket.
- Make sure the power cord is inserted snuged into the power outlet.
- Toggle the power switch to the position "I".
- Wait two minutes after the projector is turned off before turning the projector back on.

NO PICTURE

Try these solutions:

- Check for the proper input source.
- Ensure all cables are connected properly.
- Adjust the brightness and contrast.
- Remove the lens cap.

TRAPEZOID IMAGE ON THE SCREEN

Try these solutions:

- Reposition the unit to improve its angle on the screen.
- Use the **Keystone** correction key on the control panel of the projector or the remote control unit.

POOR COLOR

Try these solutions:

- Select the correct video system.
- Adjust brightness, contrast, or saturation.

BLURRED IMAGE

Try these solutions:

Press Auto on the control panel of the projector or the remote control unit to get better picture quality. FixYourDLP

Adjust the focus.

Reposition the unit to improve its projection angle.

Ensure the distance between the unit and screen is within the adjustment range of

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REMOTE CONTROL DOES NOT WORK

Try these solutions:

- Replace the batteries with new ones.
- Make sure there is no obstacle between the remote control and the projector.
- Stand within 6 meters (19.5 feet) of the projector.
- Make sure nothing is blocking the front and rear receivers.

Status Messages

On-Screen Messages	Description
SEARCHING	Projector is searching for input.
ACQUIRING SIGNAL	Projector has identified the input signal and is running the auto image adjustment function.
OUT OF RANGE	Input signal frequency exceeds the projector's range.
LAMP WARNING - CHANGE LAMP AND RESET LAMP TIMER!	The lamp has been in operation for 1900 hours. Install a new lamp for optimal performance.
OUT OF LAMP USAGE TIME. YOU HAVE TO CHANGE THE LAMP!	The lamp has been in operation for 1980 hours, and the power will turn off after 20 hours.
OUT OF LAMP USAGE TIME. CHANGE THE LAMP!	The lamp has been in operation for over 2000 hours. The warning message will display for 30 seconds every 5 minutes after you turn on the projector and the power will turn off automatically after 10 minutes.



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SPECIFICATIONS

Projector Specifications

Technical Specifications

Note: All specifications are subject to change without notice.

General

Product name Personal Projector

Model name PB7200 1024X768 XGA

PB7220 1024X768 XGA PB7100 800X600 SVGA

FB/100

Optical

Display system I-CHIP DMD

Lens F/Number F/2.6

Lamp 250W UHP lamp

Electrical

Power supply AC100 ~ 240V, 4.0A, 50/60 Hz (Automatic)

Power consumption 330W (Max)

Mechanical

Dimensions 258 mm (W) x 80 mm (H) x 211.5 mm (D)

Operating temperature 10°C ~ 40°C

range

Weight 5.6 lbs (2.5 Kg)

Input terminal

Computer input

RGB input - 1 D-sub 15-pin (female) RGB input - 2 D-sub 15-pin (female)

Video signal input

S-VIDEO Mini DIN 4-pin port x I

VIDEO RCA jack x I

HDTV signal input D-sub <--> YPbPr RCA jack x3

Audio signal input

Audio I Mini jack stero port

ixYourDb Presmt

USB mouse connector A/B series x1

Osb mouse connector A/B series x1

Ospeaker — Compare Compare X I Compare X I

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RS-232C 9-pin x1

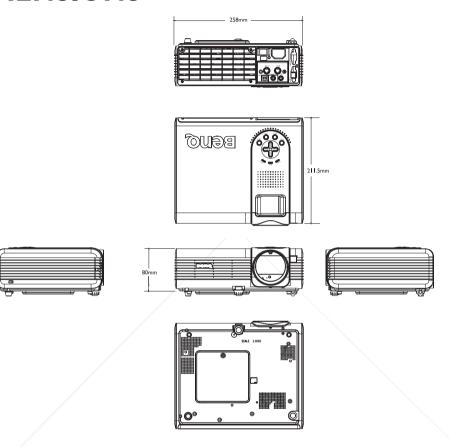
Timing Chart

Resolution	H Sync (kHz)	V Sync (Hz)	Remark
640×350	31.5	70.1	
640×400	37.9	85.1	VESA
720×400	31.5	70.0	
720×400	37.9	85.1	VESA
640×480	31.5	60.0	VESA
640×480	37.9	72.8	VESA
640×480	35	66.7	Macintosh
640×480	43.3	85.0	VESA
800×600	35.2	56.3	VESA
800×600	37.9	60.3	VESA
800×600	46.9	75.0	VESA
800×600	48.1	72.2	VESA
800×600	53.7	85.1	VESA
832×624	49.7	74.5	Macintosh
1024×768	48.4	60.0	VESA
1024×768	56.5	70.1	VESA
1024×768	60.0	75.0	VESA
1024×768	68.7	85.0	VESA
1280×1024	64.0	60.0	VESA



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DIMENSIONS



Unit: mm



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WARRANTY

Limited Warranty

BENQ warrants this product against any defects in material and workmanship, under normal usage and storage.

Exclusion to Warranty: The lamps are considered a consumable item and are warranted for 90 days or 500 hours, whichever occurs first. Proof of purchase date will be required with any warranty claim. In the event this product is found to be defective within the warranty period, BENQ's only obligation and your exclusive remedy shall be replacement of any defective parts (labor included). To obtain warranty service, immediately notify the dealer from which you purchased the product of any defects. Important: The above warranty shall be void if the customer fails to operate the product in accordance with BENQ's written instructions. This warranty gives you specific legal rights, and you may have other rights which vary from country to country. For other information, please refer to BenQ Warranty Information Book.



SAFETY REGULATIONS

FCC Statement

CLASS A: This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class "A" computing device pursuant to Subpart B of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his/her own expense will be required to take whatever measures may be required to correct the interference.

CLASS B: This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

EEC Statement

This machine was tested against the 89/336/EEC (European Economic Community) for EMC (Electro Magnetic Compatibility) and fulfills these requirements.





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