
APPENDIX

Specifications

The projector must be operated and stored within the temperature and humidity ranges specified.

Temperature

Operating	50 to 104° F (10 to 40° C) at sea level 50 to 95° (10 to 35 C) at 7500 feet
Non-operating	-4 to 158° F (-20 to 70° C)

Humidity

Operating and non-oper.	10% to 95% relative humidity, non-condensing
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Dimensions

4.7 x 11 x 13.28 inches (119.5 x 279.5 x 337.4 mm)

Weight

8.9 lbs. (4 kg) unpacked

Altitude

Operating	0 to 10,000 feet (3,048 meters) at 77° F (25° C) 0 to 7500 feet (2,286 meters) at 95° F (35° C)
Non-operating	0 to 20,000 feet (6,096 meters)

Optics

Focus Range	4.9 - 16 feet (1.5-5 m)
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Lamp

Type	200-watt UHP lamp
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Input Power Requirements

100-120V – 8A; 50/60 Hz
200-240V – 4A; 50 Hz



NOTE: Use only InFocus-approved accessories. Other products have not been tested with the projector.

Audio Input

Input Impedance	10K ohm nominal, AC coupled
Maximum Input Voltage	$(L_{IN} + R_{IN})_{PEAK} < 4.5 \text{ V}$ for THD $\leq 0.3\%$ L_{IN} or $R_{IN} < 2.0 \text{ Vrms}$ for THD $\leq 0.3\%$
Sensitivity	100 mV at 1 KHz for 88 dB SPL at 1 meter
Connector Type	3.5 mm (1/8 inch) stereo phone mini

Accessories

Standard Accessories (ship with the projector)	Part Number
Quick Start card	009-0577-xx
User's Guide	010-0281-xx
Soft Case for LP630	110-0408-xx
MI Analog Computer Cable 6 ft (1.8 m)	210-0185-xx
Audio/Video Cable 6 ft (1.8 m)	210-0053-xx
Computer Audio Cable 6 ft (1.8 m)	210-0118-xx
Ceiling Mount Lamp Door Label	020-1170-xx
VESA HD15 Computer Cable	210-0119-xx
Remote	590-0399-xx
Online User's Guide CD-ROM	010-0282-xx

Power Cords (one ships with projector, type depends on country)

North American Power Cord	210-0023-xx
Australian Power Cord	210-0027-xx
UK Power Cord	210-0028-xx
European Power Cord	210-0029-xx
Danish Power Cord	210-0030-xx
Swiss Power Cord	210-0031-xx

Optional Accessories

Deluxe Carry Case	CA-CI32
Shipping Case (ATA approved)	CA-ATA-006
LP630 Ceiling Mount	SP-CEIL-LM630
LiteMount Pipe Tubing Extension	SP-LTMT-EXT BLACK
LiteMount Pipe Tubing Extension	SP-LTMT-EXT GRAY
LiteMount False Ceiling Mount Plate	SP-LTMT-PLT
Audio/Video Cable (30' / 9 meters)	SP-AV30
MI-DA Digital Computer Cable w/USB	SP-DVI-D
S-Video Cable	SP-SVIDEO
15' VGA Extension Cable	SP-VGA15
50' VGA Cable - Domestic	SP-VGA50-D
50' VGA Cable - International	SP-VGA50-I
PC Guardian Projector Lock	SP-LOCK
I-in-2-out VGA Distribution Amplifier	HW-VGA2OUT
Deluxe Wheeled Projector & Computer Cart	HW-CART
Deluxe Insta-Theater Screen 60" Diagonal	HW-DLXSCRN
eBeam (Web Enabled Electronic Meeting Assistant)	HW-EBEAM
Portable Screen 40" Diagonal	HW-PORTSCR40
Portable Screen 50" Diagonal	HW-PORTSCR50
Pull Down Screen 84" Diagonal	HW-WALLSCR84
Portable Projector Stand	SP-STND
Pocket Point RF Remote Control w/Laser Pointer (US, Mexico, Canada Only)	HW-RF-POCKTPNT
GyroMouse Presenter RF Remote Control (US, Mexico, Canada, UK only)	HW-RF-GPRES
GyroMouse Pro RF Remote Control (US, Mexico, Canada, UK only)	HW-RF-GPRO
Remote Point RF with Laser Pointer US, Mexico, Canada, UK only)	HW-RF-REMLSR
LP630 Replacement Lamp	SP-LAMP-LP630
Wired Smart Remote Cable	210-0088-00
3 rd Year Extended Warranty (1 year extension)	EW-1YEAR
4 th Year Extended Warranty (2 year extension)	EW-2YEAR



NOTE: You can purchase these items by contacting your dealer or InFocus Catalog Sales at 1-800-660-0024.



NOTE: Visit our website at www.infocus.com for the most current activation chart. It is located in the Technical Library in the Service and Support section.




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NOTE: Usually, pressing the key commands once activates the external video port, pressing it again activates both the external and internal ports, and pressing it a third time activates the internal port. Refer to your computer's documentation for details on your specific model.

Portable and Laptop Activation Chart

Many laptop computers do not automatically turn on their external video port when a projector is connected. Activation commands for some laptop computers are listed in the following table. (If your computer is not listed or the given command does not work, refer to the computer's documentation for the appropriate command.) On many laptop's, the activation function key is labeled with an icon, for example  or the text CRT/LCD.

Computer	Key command to activate port	Key command to de-activate port
Acer	Ctrl-Alt-Esc (for setup)	Ctrl-Alt-Esc (for setup)
AST* **	FN-D or Ctrl-D	FN-D or Ctrl-D
	Ctrl-FN-D	Ctrl-FN-D
	FN-F5	FN-F5
	type from A:/VGA/CRT FN-F12	type from A:/VGA/CRT FN-F12
AMS	FN-F2	FN-F2
AMT	setup screen	setup screen
AT&T	FN-F3 FN-F6	FN-F3 FN-F6
Advanced Logic Research	Ctrl-Alt-V	Ctrl-Alt-V
Altima	Shift-Ctrl-Alt-C	Shift-Ctrl-Alt-L
	setup VGA/Conf.Simulscan	setup VGA/Conf.Simulscan
Ambra**	FN-F12	FN-F12
	FN-F5	FN-F5
	F2/Choose Option/F5	F2/Choose Option/F5
Amrel* **	setup menu	setup menu
	Shift-Ctrl-D	Shift-Ctrl-D
Apple	see Mac Portable and Mac PowerBook	
Aspen	automatic	automatic
Award	FN-F6	FN-F6
BCC*	automatic	reboot computer

Computer	Key command to activate port	Key command to de-activate port
Bondwell	LCD or CRT options after bootup	reboot for LCD or CRT options to appear
Chaplet**	setup screen	setup screen
	FN-F6	FN-F6
	FN-F4	FN-F4
Chembook	FN-F6	FN-F6
Commax	Ctrl-Alt-#6	Ctrl-Alt-#5
Compaq* **	Ctrl-Alt-<	Ctrl-Alt->
	FN-F4	FN-F4
	automatic	automatic
	mode/? (for setup option)	mode/? (for setup option)
Compuadd* **	automatic	automatic
	Alt-F for screen setup option	Alt-F for screen setup option
Data General	Ctrl-Alt-Command	Ctrl-Alt-Command
Data General Walkabout	2 CRT/X at DOS prompt	reboot
Datavue	Ctrl-Shift-M	Ctrl-Shift-M
DEC**	FN-F5	FN-F5
	FN-F4	FN-F4
Dell**	Ctrl-Alt-<	Ctrl-Alt->
	Ctrl-Alt-F10	Ctrl-Alt-F10
	FN-F8 (CRT/LCD)	FN-F8
	FN-D	FN-D
	FN-F12	FN-F12
Digital*	automatic	reboot
	FN-F2	FN-F2
Dolch	dip switch to CRT	dip switch to LCD
Epson	dip switch to CRT	dip switch to LCD
Everex*	setup screen option	setup screen option
For-A	Ctrl-Alt-Shift-C	Ctrl-Shift-Alt-L
Fujitsu	FN-F10	

Computer	Key command to activate port	Key command to de-activate port
Gateway	FN-F3 FN-F1/FN-F1 again simultaneous	FN-F3 FN-F1
Grid* **	FN-F2, choose auto or simultaneous Ctrl-Alt-Tab	FN-F2 Ctrl-Alt-Tab
Hitachi	FN-F7	FN-F7
Honeywell	FN-F10	FN-F10
Hyundai	setup screen option	setup screen option
IBM 970*	automatic	warm reboot
IBM ThinkPad**	reboot, enter setup menu FN-F7, select choice from setup menu FN-F1, select choice FN-F5, select choice PS/2 SC select choice (CRT, LCD, etc.)	FN-F2
Infotel	FN-F12	FN-F12
Kaypro	boot up, monitor plugged in	unplug monitor
Kris Tech	FN-F8	FN-F8
Leading Edge	FN-T	FN-T
Mac Portable 100	no video port: not compatible	
Mac PowerBook		
140, 145, 150, 170	no video port: requires a 3rd-party interface	
160, 165, 180, 520, 540, 5300	Control Panel folder; PowerBook Display folder; Activate Video Mirroring	warm reboot
210, 230, 250, 270, 280, 2300	requires Apple Docking Station or Mini Dock	
Magitronic	FN-F4	FN-F4
Mastersport	FN-F2	FN-F1
Micro Express*	automatic	warm reboot

Computer	Key command to activate port	Key command to de-activate port
Micron	FN-F2	FN-F2
Microslate*	automatic	warm reboot
Mitsubishi	SW2 On-Off-Off-Off	SW2 Off-On-On-On
NCR	setup screen option	setup screen option
NEC* **	setup screen option CRT at the DOS prompt FN-F3	setup screen option LCD at the DOS prompt FN-F3
Olivetti*	automatic FN-O/*	automatic FN-O/*
Packard Bell* **	FN-F0 Ctrl-Alt-<	FN-F0 Ctrl-Alt->
Panasonic	FN-F2	FN-F2
Prostar	Ctrl-Alt-S at bootup	Ctrl-Alt-S at bootup
Samsung*	setup screen option	setup screen option
Sanyo	setup screen option	setup screen option
Sharp	dip switch to CRT	dip switch to LCD
Sun SPARC-Dat-aview	Ctrl-Shift-M	Ctrl-Shift-M
Tandy**	Ctrl-Alt-Insert setup screen option	Ctrl-Alt-Insert setup screen option
Tangent	FN-F5	FN-F5
Texas Instruments*	setup screen option	setup screen option
Top-Link* **	setup screen option FN-F6	setup screen option FN-F6
Toshiba* **	Ctrl-Alt-End FN-End FN-F5 setup screen option	Ctrl-Alt-Home FN-Home FN-F5 setup screen option
Twinhead*	FN-F7 FN-F5	FN-F7 FN-F5

Computer	Key command to activate port	Key command to de-activate port
	Automatic	Automatic
WinBook	Ctrl-Alt-F10	Ctrl-Alt-F10
Wyse	software driven	software driven
Zenith**	FN-F10	FN-F10
	FN-F2	FN-F2
Zeos**	Ctrl-Shift-D FN-F1	Ctrl-Shift-D FN-F1

* These manufacturers have models that automatically send video to the external CRT port when some type of display device is attached.

** These manufacturers offer more than one key command depending on the computer model.

Using Video Mirroring with a PowerBook Computer

When you turn video mirroring (called SimulScan in newer PowerBooks – see below) on, the projector displays the same information that appears on your PowerBook’s built-in screen. When video mirroring is off, the projector acts like a separate display.

To turn on video mirroring for the first time:

- 1 Open the Monitors control panel; click on Monitor 2.
- 2 Set the number of colors you want.
- 3 Open the Control Strip, then click on the monitor icon.
- 4 Select “Turn Video Mirroring On.”

Now you can turn video mirroring on and off from the Control Strip without having to open the Monitors control panel again.

When using video mirroring and high color graphics such as slide shows, the projected image occasionally might turn black and white. If this happens, perform the following steps:

- 1 Turn off video mirroring.
- 2 Open the Monitors control panel.
- 3 Move the white menu bar to Monitor 2 to set the projector as the primary monitor.
- 4 Restart the PowerBook.

Using SimulScan

Some newer PowerBooks display images on an external monitor or projector differently than previous ones. When using SimulScan, the projector displays the same information that appears on your PowerBook

To select SimulScan:

- 1 Open the Control Panel, then double-click Monitors and Sound.
- 2 In the Resolution list, choose the SimulScan mode, then click OK.
- 3 If this changes your display settings, a dialog box appears. Click OK to confirm the change.

Projected Image Size

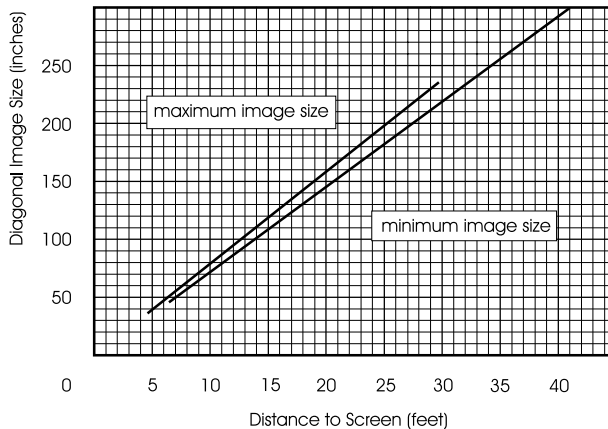


FIGURE 20

Projected image size



NOTE: Use the graph and tables to help you determine projected image sizes.



NOTE: Visit our website at www.infocus.com for an interactive image size calculator. It is located in the Technical Library in the Services and Support section.

**Table 1:
Image Size**

Diagonal Image Size	Image Width	Image Height	Distance to Screen	
			Maximum distance feet	Minimum distance feet
Inches	Inches	Inches		
300	240	180	40.3	29.8
240	192	144	32.3	23.8
180	144	108	24.2	17.9
144	115	86	19.4	14.3
120	96	72	16.1	11.9
96	77	58	12.9	9.5
72	58	43	9.7	7.1
60	48	36	8.1	6.0
48	38	29	6.5	4.8