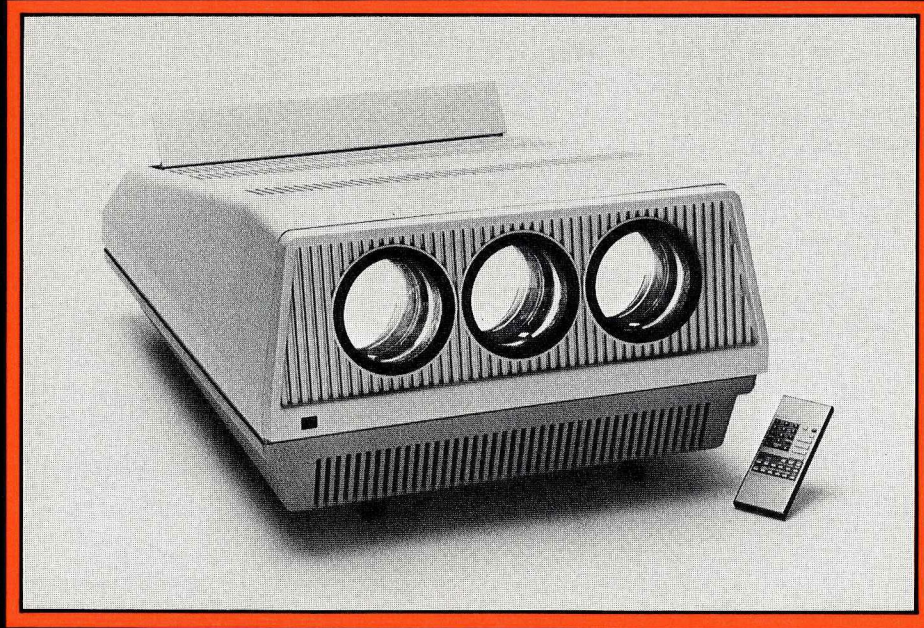


# 6820

## VIDEO PROJECTOR



### FEATURES:

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Automatically recognizes PAL/NTSC input and switches accordingly

Wireless Remote Control with optional on-screen display of selected function

Input program is duplicated at the rear panel video out jack

Can be mounted as needed to conform to space limitations

Front or rear projection, 1.4 m to 4.3 m diagonal screen size

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The Model 6820 Video Projector is designed to provide stable, dependable performance under a wide range of applications and operating environments. It provides both front and rear projection on any flat or curved screen, with a picture measuring 1.4 m to 4.3 m diagonally. The projector's efficient configuration allows positioning almost anywhere, from floor or ceiling (with the optional hardware mounting kit). Set-up is quick and easy with a convergence assembly that pivots out from the chassis to allow a view of both the controls and the screen during installation. The projector's board layout is engineered to withstand heat and humidity, and the area between the tubes and lens assemblies is carefully sealed to prevent smoke and dirt build-up.

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Picture resolution and clarity are ensured through the use of extra-wide video bandwidth circuitry, superior optics and 7" diagonal liquid-cooled tubes. In addition, dual high/low power supplies give better internal regulation for greater picture stability.

Back panel connections include two sets of direct video and stereo inputs to accommodate hardware such as a VCR or videodisc player, while an RGB input (TTL or analog) allows for incorporation of computers and other RGB-output equipment into the system for room-size computer displays. An external character generator can easily be hooked up to allow overlay of video with text. A wireless 35-button, 24-function Remote Control unit is included for maximum operational flexibility. Functions selected at the remote can optionally be displayed on the screen. The Model 6820 is operable from 220/240VAC, 50 Hz.

## SPECIFICATIONS:

### GENERAL

Picture Size:	Shipped for 2.4 m diagonal, flat screen application. May be adjusted for any screen size from 1.4 m-4.3 m measured diagonally, and adjusted for flat or curved screen surfaces. Lens to screen distance is 271 cm at 239 cm screen diagonal and is approximately 1.5 times the width of the screen.
Mounting:	Floor or ceiling mountable with optional ceiling hardware package. Shipped for front projection, adjustable for rear projection.
Brightness:	Greater than 250 lumens at specified resolution with full screen display.
Resolution:	Greater than 400 lines composite video, greater than 600 lines RGB. Video amplifier bandwidth 12 MHz with CCD comb filtering.
Scanning:	Vertical frequency 50/60 Hz, horizontal frequency 15.75 kHz (625/525 lines).
Remote:	Wireless, hand held, remote control, 35 buttons, 24 functions.
Size:	36 cm x 86 cm x 58 cm
Carton:	96 cm x 97 cm x 47 cm
Weight:	35 kg net, 43 kg shipping
Power:	220/240 VAC, 50 Hz, typical 180 W, maximum 200 W

### VIDEO SIGNAL

RGB:	0.7 V p-p analog or TTL level, using DB-9 (9 pin Miniature D) jack.
Composite:	Two composite video inputs, 1 V p-p, negative sync, PAL or NTSC. Inputs are switchable on the control panel or remote. Composite inputs may be bridged or terminated. Sync output and blanking input with NORM/INSERT switch allows overlay with external character generator.

AUDIO SIGNAL L & R audio inputs with loop-through for AV-1, AV-2, and RGB inputs.

### CONTROLS

Remote Control:	Power, Picture, Brightness, Color, Tint, AV-1, AV-2, RGB.
Control Panel:	Same as Remote Control plus static horizontal and vertical convergence for Blue and Red with internal switched crosshair test pattern (NORM/TEST), Detail Control, Display (overlay ON/OFF).
Input/Output Panel:	RGB (TTL or Analog), Overlay (Norm/Insert), Audio Video Inputs (Bridged/Terminated).

### ACCESSORIES

MA6810	Mounting rails for hanging 6820 from an overhead position.
VG-1	Video test generator, 525 lines (30 field) w/switch-selectable crosshatch and gray scale. Operates on internal 9 V battery or external supply.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.



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