

Panasonic

ideas for life

PT-LB10NTU
Micro Portable Wireless XGA LCD Projector

The Notebook-Size Wireless



- Easy wireless projection
 - Simple settings
 - User-friendly interface
 - Handy "Live" mode
 - "Multi Live" mode
- High performance, compact body
 - 2000 lumens bright
 - Notebook-size compact body
 - Ultra-lightweight: 4.9 pounds
 - Short-throw zoom lens
- Quick operation
 - 5-second speed start
 - One-touch auto setup with digital keystone correction
 - Direct power off
- Sophisticated functions
 - Projector AI
 - Index window
 - Secure, anti-theft features
 - Auto power off

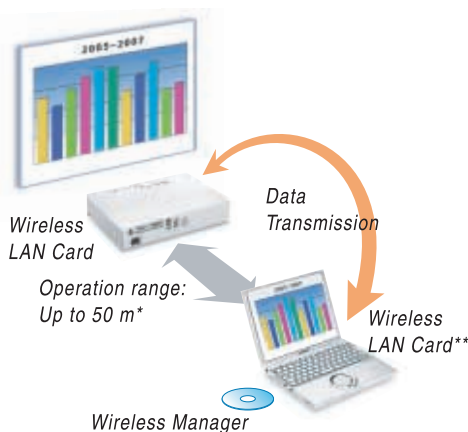
Set yourself free. 

Give Your Presentation From Wherever You Like



Imagine that you are listening to a presentation and the presenter projects some data onto the screen. You, however, have urgent updated data that it would be useful to share. With the PT-LB10NTU (and the presenter's permission, of course) you can join in. The PT-LB10NTU lets you send data from a notebook PC directly to the projector—no cables or wires to connect—for projection onto the screen. You don't even have to leave your seat.

The Panasonic PT-LB10NTU has achieved an entirely new level of wireless ease and mobility, freeing you from the bondage of cables connecting projector with PC. That the PT-LB10NTU is also exceptionally compact and lightweight makes this achievement even more remarkable.



* With no obstruction. The operation range differs depending on the environment.
** Built-in or optional

The PT-LB10NTU comes supplied with an IEEE 802.11b-compliant wireless LAN card and original "Wireless Manager ME" software for quick and easy wireless presentations.

Easy Wireless Projection

Wireless Presentation



The PT-LB10NTU adds an IEEE 802.11b-compliant wireless LAN function. Using the PT-LB10NTU with a PC that supports a wireless LAN*, you can conduct presentations with wireless ease and freedom. Setup is simple. On your PC, just launch the "Wireless Manager ME (Mobile Edition)" program that comes bundled with the PT-LB10NTU, and select the desired functions. With wireless projection, there's no need to reconnect PC cables when you're using more than one PC.

* You can also use the PT-LB10NTE's wireless function with IEEE 802.11g-compliant PC models for they have IEEE 802.11b compatibility.

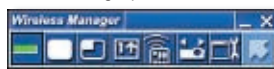
Simple Settings

We have simplified the process for installing Wireless Manager ME and setting up a PC for a wireless presentation. The process is even easier with Intel® Centrino™ PCs. Just insert the CD-ROM into a PC, and many settings are made automatically.* When the presentation is finished, Wireless Manager restores all PC settings to their original state, so the PC is ready to reconnect to your company LAN.

* The number of manual settings required may vary depending on the PC model.

User-Friendly Interface

All the operations you need for a wireless presentation can be controlled using the control panel displayed on your PC screen. This graphic user interface makes it easy to conduct the presentation.



Wireless Manager Control Panel

Handy "Live" Mode

Select Live mode from Wireless Manager's menu and you can project images the same way as when the projector and PC are connected by cable. This lets you give active, 'animated' presentations using PowerPoint® effects and motion-type Web pages, while still enjoying full wireless convenience.

Multi-Live Mode

Four Window Style



In this mode, the PT-LB10NTU can receive data from several PCs and project in either of two ways: Four Window Style and Index Style.

In Four Window Style, the PT-LB10NTU projects images into four separate windows. In Index

Index Style



Style, it projects images from up to four PCs as small windows (like thumbnails) along the bottom of the screen. Using the supplied remote control, you can then select any one of the index windows and display it on the main window.

Other Wireless Features

- Projector control/status monitoring capability via an Internet browser
- Follows the Advanced Encryption Standard (AES), which has been adopted as an official U.S. Government standard
- One-shot mode





Unplug and Go— Direct Power Off

When the presentation is done, just unplug the power cord, pack up and go. The projector continues cooling even after you pull the plug, so you can move quickly from one site to the next.



High Performance, Compact Body

2000 Lumens Bright

A high-performance optical system combines with a high-efficiency 155-W UHM™ lamp to deliver a super-bright 2000 lumens.

Notebook-Size Compact Body

PT-LB10NTU is 11.7 inches wide by 8.3 inches deep—about the size of an letter-size paper—and only 2.6 inches high. It slips easily into a bag or briefcase. The compact size makes the PT-LB10NTU highly mobile and minimizes the space required for presentations or storage.

Ultra-Lightweight: 4.9 Pounds

At only 4.9 pounds, PT-LB10NTU won't weigh you down—even when you're toting along a notebook PC as well. Convenient size and weight are just two reasons why the PT-LB10NTU is the logical choice for mobile presentations.

Short-Throw Zoom Lens

This saves space by shortening the distance needed between screen and projector. You can project a 100-inch image from about 9.8 feet away, which lets you place the projector at the front of the table.

Quick Operation

5-Second Speed Start

Speed Start slashes the time it takes to get your presentation under way. The image appears in approximately 5 seconds after you press the power button. Behind this breakthrough is Panasonic's high-precision lamp and lamp power supply—an advantage made possible by our advanced production technology.

One-Touch Auto Setup with Digital Keystone Correction

This function assures quick and easy setup. The projector handles the basic image adjustments, from phasing to vertical and horizontal position. The built-in gravity sensor detects the projector's angle rela-

Quick Operation

These three functions give you a quicker start and a faster finish. They take all the trouble out of setting up, so you can concentrate on your presentation.



tive to the floor and corrects for vertical keystone distortion accordingly.

Direct Power Off

When the presentation is completed, Direct Power Off lets you disconnect the power cable and move the projector right away* because the cooling fan keeps operating until the lamp is cooled.

* The projector cannot be placed into a bag until the cooling fan stops operating.

Auto Search

This detects which signal is input and switches automatically. It also memorizes the input last used so that you don't have to press the Input Select button next time you turn on the projector if you usually project the same input source.

Sophisticated Functions

Secure, Anti-Theft Features

The PT-LB10NTU is designed with effective anti-theft features, including a User Password, Control Panel Lock and Text Superimposing. It also has a security lock slot compatible with the Kensington MicroSaver® cable.

Projector AI

It automatically adjusts the lamp power to the optimum level to match the characteristics of the picture in real time. The result is increased dynamic range for higher contrast.

Index Window

Any image in the presentation, RGB or video input,

can be frozen, and displayed on the left or right side of the screen as an Index Window, while the display of subsequent images continues on the other side.

Auto Power Off

This lets you specify a time (from 15 to 60 minutes, in 5-minute steps) after which the projector automatically enters standby mode if unused.

More Valuable Features

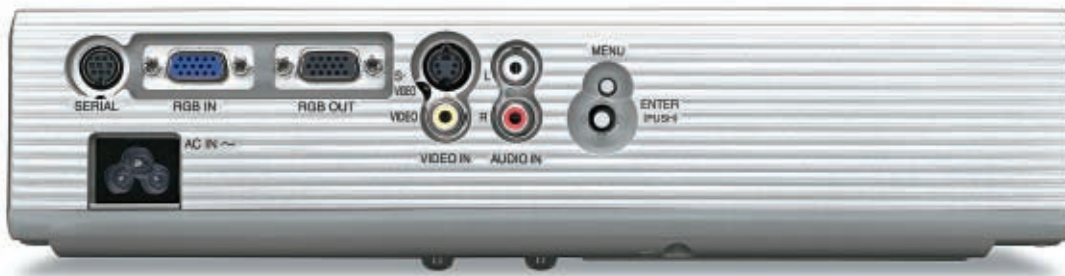
- Automatic input signal detector
- HDTV compatibility
- Full compatibility with sRGB color space for accurate color reproduction (in natural mode)
- Color temperature selection (standard/high/ low)
- Picture mode selection (standard/dynamic/ natural)
- Blackboard mode allows you to project images onto an ordinary classroom or conference room blackboard.
- Still mode
- 3x digital zoom
- Freeze
- Shutter function for image and sound muting
- Selectable 8-language on-screen menu (English, German, French, Spanish, Italian, Russian, Chinese, Korean)
- Discrete S-Video and video inputs allow connection of two DVD/video sources at a time
- Card remote control
- Ceiling mountable (option)
- Lamp power high/low selection
- Fan control for high elevations (above 4,600 feet/1,400 m)
- Temperature warning indication
- Lamp replacement warning indication

Ecology-Conscious Design

Panasonic works from every angle to minimize environmental impact in the product design, production and delivery processes, and in the performance of the product itself over its life cycle. The PT-LB10NTU reflects the following ecological considerations.

- Lead-free solder is used to mount components to the printed circuit boards.
- No halogenated flame retardants are used in the cabinet.
- No styrofoam is used in the packing materials.
- Lead-free glass is used for the lens.
- The packing case and operating manual are made from recycled paper.

Rear View



Specifications

Power supply	100–240 V AC, 50/60 Hz
Power consumption	220 W (6 W in standby mode with fan stopped)
Optical system	Dichroic mirror separation/prism synthesis system
LCD panel	
Panel size	0.7" diagonal with micro lens array (4:3 aspect ratio)
Display method	Transparent LCD panel (x 3, R/G/B)
Drive method	Active matrix
Pixels	786,432 (1,024 x 768) x 3, total of 2,359,296 pixels
Pixel configuration	Stripe
Lens	Manual zoom/focus lens (1:1–1:1.2), F 1.7–1.9, f 21.5–25.8 mm
Lamp	155 W UHM™ lamp
Colors	Full color (16,777,216 colors)
Brightness	2000 lumens
Uniformity	90%
Contrast	500:1** (full on/full off)
Scanning frequency	
RGB	Horizontal: 15–91 kHz, Vertical: 50–85 Hz
YPbPr	480i (525i): fh 15.75 kHz; fv 60 Hz 576i (625i): fh 15.63 kHz; fv 50 Hz 480p (525p): fh 31.5 kHz; fv 60 Hz 576p (625p): fh 31.25 kHz; fv 50 Hz 720p (750p): fh 45 kHz; fv 60 Hz 1080i (1125i): fh 33.75 kHz; fv 60 Hz 1080i (1125i): fh 38.125 kHz; fv 50 Hz
S-Video/Video	NTSC, NTSC4.43, PAL-M, PAL60: fh 15.75 kHz; fv 60 Hz PAL, SECAM, PAL-N: fh 15.63 kHz; fv 50 Hz
Projection size	33–300 inches (838–7,620 mm) diagonally
Throw distance	3.7–35.1' (1.1–10.7 m)
Optical axis shift	6:1 (fixed)
Screen aspect ratio	4:3
Keystone correction range	Vertical: approx. ±30°
On-screen menu	8 languages: English, French, German, Spanish, Italian, Chinese, Korean, Russian
Installation	Ceiling/desk, front/rear (menu selection)
Built-in speakers	1.0 W (monaural) output power
Terminals	
RGB IN	D-sub HD 15-pin x 1
RGB signal	G: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75 Ω; R, B: 0.7 Vp-p, 75 Ω HD, VD, SYNC: TTL, high impedance (positive/negative polarity)
YPbPr signal	Y: 1.0 Vp-p (including sync signal), 75 Ω; Pb, Pr: 0.7 Vp-p, 75 Ω
RGB OUT	D-sub HD 15-pin x 1
RGB signal	G: 0.7 Vp-p (1.0 Vp-p for Sync on G), 75 Ω; R, B: 0.7 Vp-p, 75 Ω HD, VD, SYNC: TTL, high impedance (positive/negative polarity)

YPbPr signal	Y: 1.0 Vp-p (including sync signal), 75 Ω; Pb, Pr: 0.7 Vp-p, 75 Ω RCA pin x 1, 1.0 Vp-p, 75 Ω Mini DIN 4-pin x 1, Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 Ω RCA (L, R) x 1, 0.5 Vrms, for RGB/VIDEO/S-VIDEO
VIDEO IN	Mini DIN 8-pin x 1 (RS-232C)
S-VIDEO IN	x1, For supplied CompactFlash™ type wireless card
AUDIO IN	6.7" (2 m)
SERIAL	11-23/32" x 2-9/16" x 8-9/32"
Wireless card slot	(297 x 65 x 210 mm)*2
Power cord length	4.9 lbs. (2.2 kg)
Cabinet material	ABS/PC
Dimensions (W x H x D)	11-23/32" x 2-9/16" x 8-9/32"
Weight	4.9 lbs. (2.2 kg)
Operating environment	
Temperature	32°–104°F (0°–40°C)
Humidity	20%–80% (no condensation)
Remote control unit	
Power supply	3 V DC (Lithium CR2025 battery x 1)
Operation range**3	Approx. 23 feet (7 m) when operated from directly in front of the signal receptor
Dimensions (W x H x D)	1-9/16" x 3-3/8" x 1/4"
Weight	(40 x 86 x 6.5 mm)
Wireless card standard	0.6 oz. (18 g) (including a battery) IEEE802.11b
Supplied accessories	
	• Card-type remote control
	• Battery for remote control
	• Power cord
	• VGA cable
	• Carrying bag
	• Software CD-ROM
Optional accessories	
ET-LAB10	Replacement lamp unit
ET-PKC80	Ceiling mount bracket
ET-RM300	Full-function wireless remote control
ET-ADSER	Serial adapter (DIN 8-pin/D-sub 9-pin)
ET-CDWL3	IEEE802.11b-compliant wireless LAN card for PC

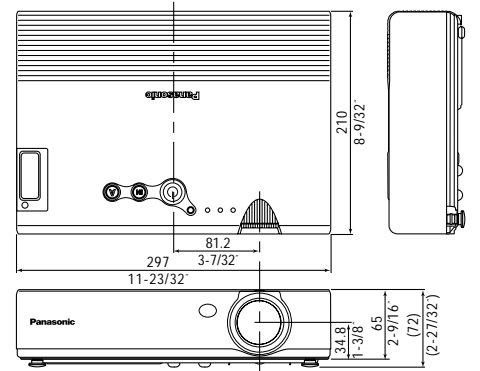
*1: In All mode.
*2: Height including protruding parts and legs: 2-27/32" (72 mm).
*3: Operation range differs depending on the environment.

To use wireless functions, a PC is required that meets the conditions given below:

OS:	Windows XP or 2000 recommended
CPU:	Pentium III 800 MHz or faster, or other compatible processor recommended
Memory:	128 MB or more recommended

Operation is not guaranteed for all computers that meet the above conditions.

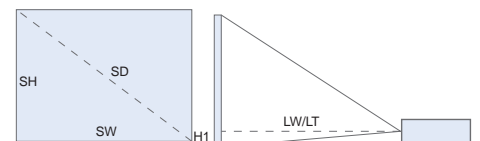
Dimensions



Unit: mm/inch

Projection Distance

Diagonal image size (4:3 aspect ratio)	Distance to screen		Height from the edge of screen to center of lens
	min.	max.	
33' / 0.84 m / 2.7'	–	1.1 m / 3.6'	8 cm / 3.1"
40' / 1.02 m / 3.3'	1.2 m / 3.9'	1.4 m / 4.6'	9 cm / 3.5"
50' / 1.27 m / 4.2'	1.5 m / 4.9'	1.7 m / 5.6'	11 cm / 4.3"
60' / 1.52 m / 4.9'	1.8 m / 5.9'	2.1 m / 6.9'	14 cm / 5.5"
70' / 1.78 m / 5.8'	2.1 m / 6.9'	2.4 m / 7.9'	16 cm / 6.3"
80' / 2.03 m / 6.7'	2.4 m / 7.9'	2.8 m / 9.2'	18 cm / 7.1"
90' / 2.29 m / 7.5'	2.7 m / 8.9'	3.2 m / 10.5'	20 cm / 7.9"
100' / 2.54 m / 8.3'	3.0 m / 9.8'	3.5 m / 11.5'	22 cm / 8.7"
120' / 3.05 m / 10.0'	3.6 m / 12.5'	4.2 m / 13.8'	26 cm / 10.2"
150' / 3.81 m / 12.5'	4.5 m / 14.8'	5.3 m / 17.4'	33 cm / 13.0"
200' / 5.08 m / 16.7'	6.0 m / 19.7'	7.1 m / 23.3'	44 cm / 17.3"
250' / 6.35 m / 20.8'	7.5 m / 24.6'	8.9 m / 29.2'	55 cm / 21.7"
300' / 7.62 m / 25.0'	9.0 m / 29.5'	10.7 m / 35.1'	66 cm / 26.0"



SD: Diagonal image size	LT: Maximum projection distance
SH: Height of projected image	H1: Height from the edge of screen to center of lens
SW: Width of Projected image	
LW: Minimum projection distance	

Panasonic®

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