

Talking Lights® PCMCIA Receiver Card

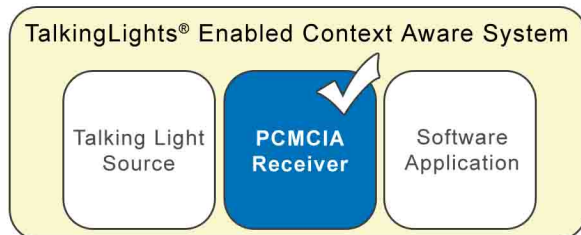


Location Receiver

The Talking Lights communications link is created by modifying the design of an ordinary fluorescent light ballast so that it modulates the light arc to encode information. This allows the light to transmit data and provide bright illumination without visible flicker.

When a person carrying a portable receiver approaches the light, the receiver decodes and processes the data, transforming it into information that can be presented in audio, video or digital form.

Technically we call the Talking Lights System a dual-use, local area wireless system for data transmission because the lights it uses continue to perform their original function—providing illumination—while simultaneously establishing a simplex information link.



Applications

- Navigation in hospitals, universities, retail facilities
- Location determination in museums, retail and security
- Location triggered security for mobile data
- Personnel monitoring and logging
- Context-aware mobile computing
- Limited only by your imagination

FEATURES

- Fits PCMCIA Type II slot in laptops, tabletPCs, and handheld computers. You choose the platform that best suits the application.
- Use with Talking Lights® Ballasts/Lights and software for position determination and guidance.
- Receives and decodes unique location ID for navigation and other context-aware computing applications.
- Generates relative distance measurement.
- Tested with Windows XP/2000 and Windows on PocketPC.
- Compatible with Linux and other operating systems using generic serial drivers.
- Open platform for third-party customization via serial port interface

SPECIFICATIONS

Dimensions: 4.64"L x 2.1"W x 0.33"H
(118 x 53 x 8.3 mm)
Card extends beyond slot by 1.25" (32mm).
Power: 3.3V, powered by PCMCIA slot
Receiver: +/- 20° angle of half sensitivity
Reception Range: 2-10m direct light



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