

# Cable Eliminator

## Wireless Made Easy and Seamless with the LM048SPA2 Serial Printer Adaptor Duo

### LM048SPA2 Cable Eliminators

“ I purchased 4 sets of the LM Cable Eliminators and I just love them!

They are installed in fast food restaurants with kitchen printer applications. I also demo them for kitchen video system applications. ”

- They are much easier than running cables.
- Saves time and money.
- Much cleaner looking installation.
- I don't need to crawl through a dirty attic or basement.
- No holes to drill.
- More Reliable.
- No cables for rodents to eat.
- No cables to get damaged by cleaning or moving of equipment.
- No loose connections.

– Roy Jensen, President,  
Jensen Systems  
– Sylmar, CA



### Install POS, Kitchen, Bar and Requisition Printers in Minutes!

Eliminate cables and the labor cost to install them. The LM048SPA2 affordable wireless adaptor effectively replaces expensive or hard to run RS-232C cabling. Using Bluetooth Class 1 wireless technology, the LM048SPA2 allows remote serial devices, such as kitchen printers, to be installed up to 100 meters from the host.

In many applications remote POS printers are located in environments that would normally require a cable run under a floor, or through a ceiling. The expense of an electrician or qualified cable installer is typically more than the cost of this simple, reliable wireless device. Installations are faster and temporary or seasonal installations are simplified. In POS applications, the adaptors can be used to run printers or poll systems. There are many additional applications in other industries, including medical equipment, instrumentation, security systems, vending equipment and outdoor signage/scoreboards.

Eliminate the need for expensive power protection at the remote printer since there can be no cable related power disturbance.

The installation kit includes everything necessary for most applications..



# Wireless RS-232C Cable Eliminator



PC-POS to a Remote Printer



Electronic Cash Register to a Remote Printer



PC Polling a Local SAM4s Electronic Cash Register



Use for Kitchen, Bar, Requisition Printers and Kitchen Video Systems

## Security

For maximum security, the LM setup utility employs the improved encryption levels available in the latest versions of Bluetooth. Bluetooth uses channel hopping, encryption, passwords, and other security measures to prevent the LM048SPA2 from being seen by other BT enabled devices. Paired adaptors connect only to each other and reject connections from any other device.

## Features

- Run Remote Printers and Other RS-232C Devices Without Wiring
- Compact, Affordable, Easy-To-Install
- Uses Reliable Bluetooth Wireless Technology
- Range of Up To 328 Feet (100M) Without Obstructions
- The Only Wireless Adaptor That Supports "Out Of Paper / Cover Open" Printer Status to the ECR
- The Smallest RS-232C Bluetooth Adaptor Available
- Pre-Configured for Easy Setup
- Utilities and Frequently Asked Questions are Posted on [www.crs-usa.com](http://www.crs-usa.com)



## Specifications

<b>Standard:</b>	Bluetooth 2.0+EDR
<b>Bluetooth Profiles:</b>	SPP and GAP
<b>Range:</b>	Up to 328 Feet (100m) in Free Space (Class 1)
<b>Power Source:</b>	Mini USB, DB9 Pin-9 or Power Supply
<b>Serial Data Interface:</b>	RS232 (DB-9)
<b>Chipset:</b>	CSR BC04
<b>Standard:</b>	IEEE 802.15.1-2005
<b>Bandwith:</b>	Up to 3Mbps
<b>Handshake:</b>	DTR/DSR on Pin-4 / Pin-6
<b>Antenna:</b>	On Board Antenna
<b>Baud Rate:</b>	1200 / 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200 / 230400
<b>Radio Transmit (Tx) Power:</b>	18dBm Maximum
<b>Operating Temperature:</b>	-4° ~ 167°F (-20° ~ 75°C)
<b>Receive (Rx) Sensitivity:</b>	83dBm Typical
<b>Connector Type:</b>	DB-9F RS232
<b>Safety and EMI:</b>	CE, FCC, RoHS

## Applications

- Remote POS Kitchen, Bar and Requisition Printers
- Data Logging Printer
- Kitchen Video
- Liquor Dispenser
- Coin Dispenser
- Seasonal Workstations, Rentals and Temporary POS Applications
- Polling SAM4s ECR Systems
- Medical Equipment
- Vending Equipment
- Outdoor Signage
- Scoreboards
- Instrumentation Controlling Security Systems



**Kit Includes Everything Needed For Most Applications: Two LM048SPA2 Adaptors, 9-Pin Mini Gender Changers, DB9M / DB25M Serial Port Adaptor, Power Supply and Mini-USB to USB Power Cable**

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