



# Sprint OPTIMA and OPTIMA light

## Congratulations on purchasing your new Sprint OPTIMA or OPTIMA light

The OPTIMA<sup>®</sup> and OPTIMA light<sup>®</sup> are desktop IC Programmers that can accommodate various devices.

The serial number of the base is located on the bottom of the unit.

The serial number of a TOP is located inside its bottom edge (the TOP must be removed to see it).

## This guide describes:

- Parts included with the OPTIMA
- Assembly Instructions
- Installing a Device
- Sales and Technical Support
- System Requirements
- Operating Requirements
- Technical Specifications

## For more information...

on your Sprint family programmer or using the software, refer to documentation on the "TaskLink™ for Windows<sup>®</sup>" CD.



## In this package you will find:

- TaskLink CD-ROM (software and User Manual)
- OPTIMA base
- TOP48DIP
- 25 pin, 1:1 parallel cable, 32" long
- OPTIMA Booster
- Power Cord
- OPTIMA Power supply
- Calibration tool

Additional TOPs and Production Adapters are boxed separately.



OPTIMA Power Supply



OPTIMA Booster



Calibration Tool



TaskLink CD



Parallel Cable

## Assembly Instructions

**WARNING:** *Electrostatic Discharge (ESD) may damage integrated circuits. Do not touch circuit boards on the unit without a suitable grounding strap (not included). A grounding strap should also be worn at all times while programming devices.*

Before beginning, ensure that the power is turned off at both the programmer and your computer.

1. Connect one end of the parallel cable to the port on the back of the programmer. Connect the other end to the parallel port of your computer. Any empty parallel port on your computer may be used.
2. Install the power supply by inserting the small DIN jack of the power supply into the power socket on the back of the programmer. This jack is keyed and cannot be inserted incorrectly.
3. Connect the power cord between the power supply box and a 100–250 Volt, 50–60 Hz AC outlet.

**WARNING:** *A device may be damaged if it is in a TOP socket during power up. Remove all devices before turning on the power switch.*

You are now ready to install the *TaskLink for Windows* software and begin programming devices. Refer to the *TaskLink for Windows* CD. To install the software see the jewel case front tray liner.

**Note:** *Some parallel ports have hardware characteristics that may cause problems communicating with the programmer. If you see the message "Found slow printer port" during installation, install the OPTIMA Booster supplied with your programmer. Follow the instructions "Installing the OPTIMA Booster for a Slow Printer Port" found on the TaskLink for Windows CD.*

Power Switch

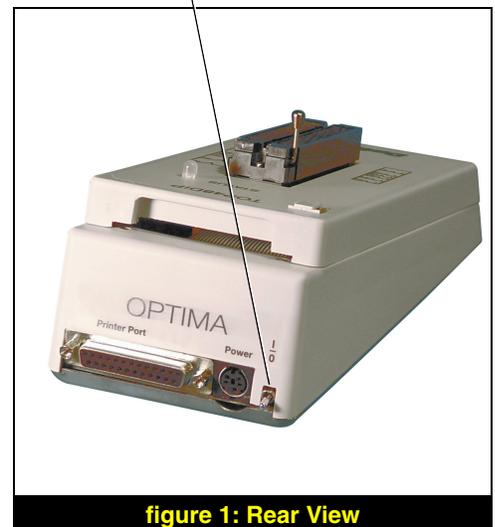


figure 1: Rear View

## Replacing a TOP

**Note:** OPTIMA programmers ship with the TOP already installed. However, you may wish to replace the TOP if you ordered an optional one.

**Caution:** Ensure that the programmer power is off, and that the programming application is set to TOP Replacement (if available) or closed down.

1. Begin by unscrewing the two recessed screws on the bottom of the base. See figure 3.
2. Pull the top edge of the TOP up and toward you. Lift it off.
3. Turn the new TOP over and examine the pins to verify that they are straight.
4. Holding the TOP at a 45° angle to the base, hook the plastic tab on the TOP into the receiving notch in the base.
5. Lower the TOP until it rests on the base, rock it gently to ensure it is in place and press down gently.

**WARNING:** Damage may occur to the connector pins if they are not properly lined up with the pin connector strip on the base. Do not press the TOP if you meet resistance. Remove the TOP and try again.

6. Turn the unit upside-down and screw the two recessed screws into the TOP.

**Note:** When you replace a TOP, your programming software will need to be restarted for it to recognize the new TOP.

## Installing a Device into a 48 DIP Socket

With the socket unlocked (lever in up position), insert the device with the notch away from you. The socket is bottom justified. Lock the socket. See figure 5.



figure 2: Installing a TOP

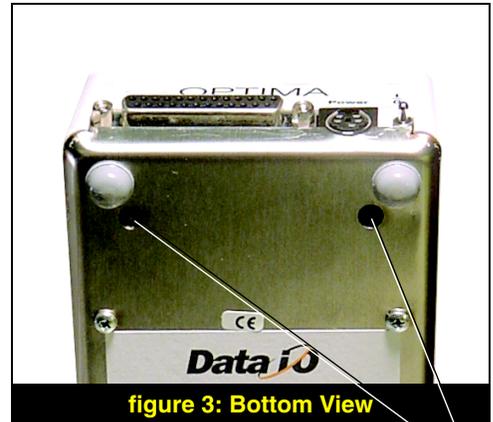


figure 3: Bottom View

Screws to secure TOP

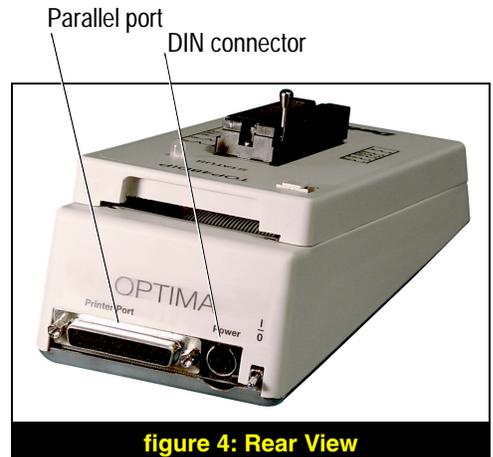


figure 4: Rear View



figure 5: Installing a Device

## Sales and Technical Support

Contact your local Data I/O representative or see the contacts below. To find your local representative on our Web site go to <http://www.dataio.com/RepSearch.asp>

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### When calling or writing, please provide the following information:

- Serial number
- Interface—*"TaskLink for Windows"* or *"Sprint Windows"*
- Software Version
- Detailed description of the problem you are experiencing
- Error messages (if any)
- Device manufacturer, part number, package style and number of pins (if device-related)
- Name, address and telephone number

On the World Wide Web, contact us at <http://www.dataio.com>  
or at our Germany Web site at <http://www.dataio.de>

### System Requirements

- Microsoft Windows 95, Windows 98 or Windows NT
- 75MB free hard disk space
- CD-ROM drive
- Bus or serial mouse
- Parallel port

### Operating Requirements

- Operating voltage: 100-240 V ~ ±10%
- Frequency range: 50-60 Hz
- Power consumption: 13 Watts

### Technical Specifications

- 48-pin DIP socket (300/600mil lead spacing)
- Universal analog and digital pin drivers

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