WDR Reader

RS-232 Serial Bar Code Reader
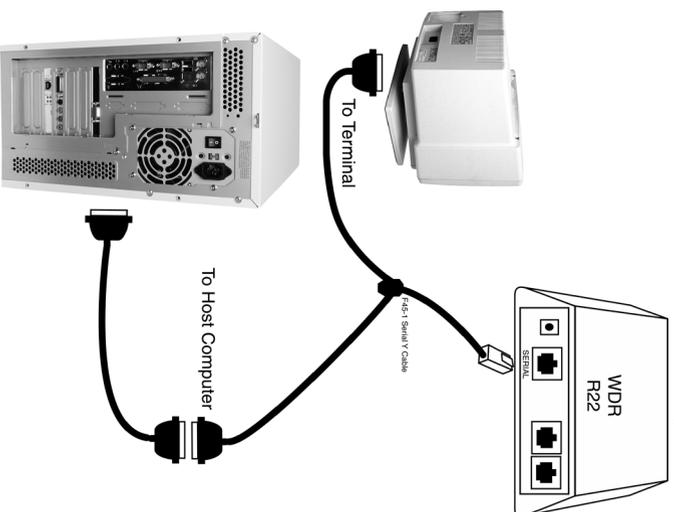
QuickStart and Installation Guide

WDR Reader Installation - Host & Terminal

If you attach the WDR R22 Reader between your computer and a terminal, as shown below, using the F45-1 Serial Y Cable, bar code data will display on the terminal as if it had been typed.

To Terminal

F45-1 Serial Y Cable

WDR R22

SERIAL

To Host Computer

The F45-1 Serial Y Cable assumes you already have a dumb ASCII terminal connected to a host computer. Unplug the host cable from the terminal and plug it into the DB25 Female cable end on the F45-1 cable. Connect the other 25 pin end of the F45-1 Y Cable to the terminal (where the host cable was plugged previously). The WDR R22 now sits in-between the terminal and host acting as a wedge reader; data scanned is echoed back by the host to the terminal screen.

The WDR reader must be configured so that the Baud Rate, Data Bits, Stop Bits and Parity match the settings on the terminal. You may need to consult your terminal's documentation to determine how those settings are viewed on the terminal. Once you know what the settings are, you can use the bar coded WDR Setup Menu to make any necessary changes.

For configuration settings and details, see the PDF Users Guide on the Utility CD provided with the reader.

Introduction

Worth Data's WDR Readers are versatile serial bar code readers designed for use with all micro and minicomputers. The WDR Model R22 can be attached between your computer and a terminal, sending bar code data along with keyboard data with LINUX, UNIX and PICK.

The R22 WDR can be ordered a variety of scanners, including CCD and Laser scanners and can automatically read and discriminate between Code 39, Full ASCII Code 39, 2 of 5, I 2 of 5, UPC-E, UPC-A, EAN-8, EAN-13, Codabar, Code 93, MSI, Plessey, RSS-14, LabelCode 4&5, StorageTek Tape Code, Code 128, UCC-128, and EAN-128..

Up to 32 WDR R22 Readers can be connected to a dedicated serial port, with each unit accessed separately through polling from your computer.
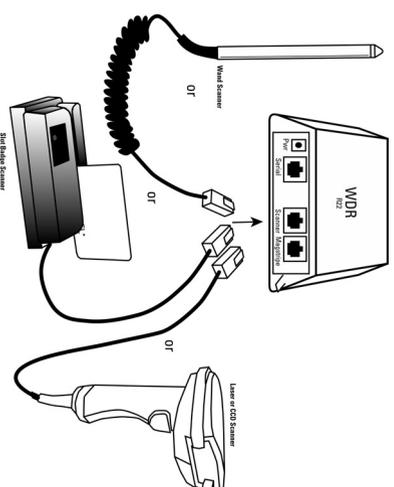
If you are installing the WDR Reader on a dedicated PC serial port (as opposed to installing it between a PC serial port and a terminal) you should consider Worth Data's program PortKey.

WDR Reader Components

The contents of your WDR Reader shipment should include the following:

1. A WDR R22 decoder box plus:
   a. Velcro strips which can be used to conveniently attach the reader to the side of your computer, monitor or desk.
   b. If ordered, one of the appropriate serial Cable Selections:

   F34   null-modem female DB-25 cable
   F36   straight-through female DB-9 cable
   F45-1 serial "Y" cable for connection between terminal and host

   c. A scanner (F52 wand, L150 CCD, LZ300 Laser or LZ400 Laser)
   d. A scanner holder.
   e. A 5-volt power supply (Don't use a non-Worth Data power supply; it will fry the board!).
   f. A laminated Reader Setup Menu sheet (or slot scanner card deck)
   g. A CD-ROM with the Windows WDR Test Program on it.

WDR Reader Installation

Insert the scanner's telephone-style connector into the WDR Reader's scanner port. You'll hear a click when it is properly inserted. (If you have a MagStripe slot scanner, see the Users Guide for installation instructions.)

Connect the power adapter to the WDR Reader. You can then plug the Power Adapter into an outlet. You'll hear three beeps as the reader performs its self-test, and the LED will flash red to green.

WDR Reader Installation - PC Serial Port

The WDR Reader can be directly attached to a spare serial port as shown below. Your software will need to read the serial port as a separate device, unless you're using an IBM-compatible computer and Worth Data's PortKey software, which makes serial-port data look to your computer as if it had been typed at the keyboard.

If you specified a 25-pin null-modem cable (part number F34) or a 9-pin cable (part number F36) when you placed your order, you can cable directly from the "SERIAL" port to the matching serial port on your computer.