

ICL ISS45 SINGLE CABLE CONFIGURATION

Programming codes are for MGL 9800i

Single Cable Interface - Communication

The POS Configuration must be set up using the following parameters:

Scanner:

Com: 0
IRQ: 0
Baud Rate: None
Data Bits: 0
Parity: None
Handshake: None

Scale:

Type: NCR Scanner/Scale
Com: Com 1
IRQ: 4
Baud Rate: 9600

The actual settings for communication are 9600 baud, 7 data bits, even parity, and 1 stop bit. You will note, that for the NCR7870, the line defining the scanner in the POS-DEV.PRM file is still set at the default; which is: S-01-0001 9000, 96,8E1, DTR hi xmt

Single Cable Interface - Data Format

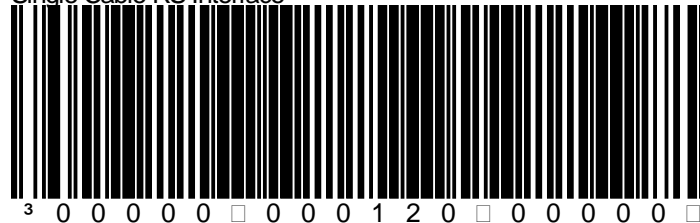
You can typically set up a scanner/scale for testing to Hyperterminal and view the data string that the scanner scale is sending to the PC. Setup a direct connection to Com1 and connect. In the terminal settings, you must set 7bit ascii, or you will see garbage in the terminal window when you scan an item. A data string from an NCR7870 looks like this: X08A02551200901BZY. X is the STX byte, Y is the BCC byte, and Z is the ETX byte. A lets you know the type of UPC scanned, such as UPC "A" or "E". B is the check digit scanned from the UPC. 08 is the command letting the register know that this information is from the Scanner (11 is from the scale).

The STX and ETX bytes are set at 02 hex and 03 hex respectively. You can let STX mean Start Text and ETX mean End Text. The BCC byte is a CRC check of the Data String. These functions have to be enabled on any scanner/scale you wish to have emulate the NCR 7870.

Magellan 9800i Interface Setting

(Scanner must be in Single Cable Interface before further programming is done)

Single Cable RS Interface



(Does not require the SWITCH label)

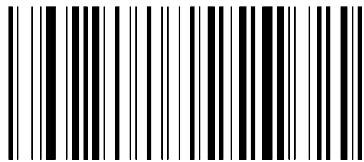


Magellan 9800i Programming Requirements:

- a. Scan SWITCH
- b. Scan Return to Factory Defaults
- c. Scan RS-232 Parity = Even, Scan Enable BCC, Scan STX = (02 Hex), Scan ETX = (03 Hex)
- d. Scan UPC-E to UPC-A Expansion = Enable, Scan UPC-A Check Digit Transmission = Enable, Scan UPC-E Check Digit Transmission = Enable, Scan EAN-8 Check Digit Transmission = Enable, Scan EAN-13 Check Digit Transmission = Enable
- e. Scan Remote Display = Disable
- f. Scan SWITCH



a. SWITCH

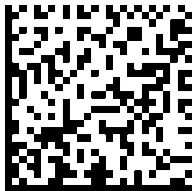


b. Return to Factory Defaults

c. Parity Even, STX = STX, ETX = ETX, USE BCC



d. UPCA, Ean8, Ean13 check digits transmit, Code 128 Label ID = Q, Databar Omni Label ID disabled, Databar Expanded Label ID disabled



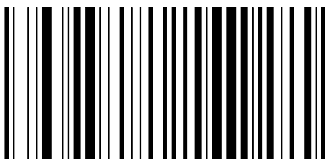
e. Databar Omni Enable



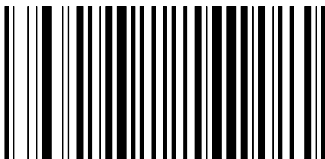
f. Databar Expanded Enable



g. Disable Coupon Filter



h. Remote Display = DISABLE



i. SWITCH

