

# Bar Code Scanner Specification for Sharp ECRs

Sharp ECRs which can be used with a Bar Code Scanner to register products, must be programmed to match the following specification.

The standard (DB9) RS232C port provided on the ECR can be used to connect the Bar Code Scanner. All scanners must be programmed to transmit bar codes so they conform to Sharp's bar code scanner input format. The Sharp bar code scanner input format is:

STX	Code ID	Bar Code number	CR
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STX = Start of text, ASCII code 02 Hex  
 CR = Carriage Return, ASCII code 0D Hex

Table of Code IDs

Type of code	ID Code
UPC-A	A
UPC-E	E
EAN-13	F
EAN-8	FF

The default data speed is: 4800 bps  
 The default data word format is: 7 data bits, 1 stop bit, odd parity.  
 Flow Control system: RTS / CTS

Please approach the supplier of your scanner for assistance with programming it to match the Sharp's specification.

Your scanner will also require an adaptor cable to work with your Sharp ECR.

A diagram of the suggested scanner cable adaptor is shown below:

