
What Is Programming Mode?

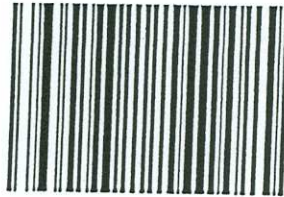
Programming Mode is a state in which the scanner must be placed in order to accept commands via programming bar code labels. When programming using the bar code labels in this manual, the scanner is typically placed in Programming Mode by scanning the SWITCH label.

While in the Programming Mode, the scanner only recognizes the special programming bar codes contained in this programming guide. See *Appendix A* for information about scanner indications while in the Programming Mode.

Entering and Exiting Programming Mode.

Use the bar code label below to enter and exit ('switch' into and out of) Programming Mode.

*Cable
Not
Connected*



SWITCH LABEL

RS-232 Single Cable Interface Selection

Remember to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.



CAUTION

Great care should be taken to select the correct interface type, since you can cause damage to the scanner and/or POS terminal by attempting to change to an incompatible interface. ALWAYS make interface selections with the host cable DISCONNECTED.



NOTE

Single cable installations require connection at the POS Terminal (host) port. The Scale Host port connection is not used for this interface.

*Cable
Not
Connected*



INTERFACE TYPE = RS-232 SINGLE CABLE

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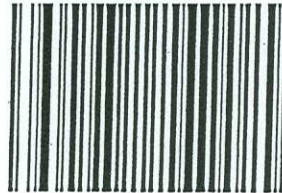
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SWITCH LABEL

Single Cable RS-232 Scanner Only Protocol

This sets the type of interface protocol that will be used in Single Cable RS-232.

Options are:

- Scanner/scale RS-232 protocol
- Scanner only RS-232 protocol

To set this feature:

1. Scan the SWITCH bar code.
2. Scan the bar code below representing the desired option. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



SINGLE CABLE RS-232 PROTOCOL = SCANNER/SCALE



SINGLE CABLE RS-232 PROTOCOL = SCANNER ONLY

Scale Enable

Use this feature to enable or disable scale operation.



NOTE

Recalibration/recertification may be required when adding scale functionality. Consult your local Weights and Measures authority.

If this feature is enabled the scanner will expect that it is to function as a scanner-scale, and will indicate an error if it is not a scale-equipped unit. See *Error Codes* in Section 4 for more information.

To set this feature:

1. Scan the SWITCH bar code.
2. Scan your selection from the two bar codes below. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



SCALE = DISABLE



SCALE = ENABLE

RS-232 Baud Rate — continued

Remember to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.



RS-232 BAUD RATE = 4800



RS-232 BAUD RATE = 9600

RS-232 Number of Data Bits

Specifies number of data bits required for sending and receiving data.

To set this feature:

1. Scan the SWITCH bar code.
2. Scan the bar code below representing the desired Data Bit setting. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



RS-232 NUMBER OF DATA BITS = 7



RS-232 NUMBER OF DATA BITS = 8

RS-232 Number of Stop Bits

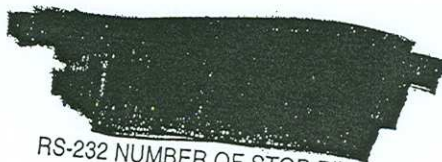
Specifies number of stop bits required for sending and receiving data.

To set this feature:

1. Scan the SWITCH bar code.
2. Scan the bar code below representing the desired Stop Bit setting. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



RS-232 NUMBER OF STOP BITS = 1.



RS-232 NUMBER OF STOP BITS = 2

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RS-232 Parity

Specifies parity required for sending and receiving data.

Options for this setting are:

- RS-232 PARITY = NONE
- RS-232 PARITY = EVEN
- RS-232 PARITY = ODD

To set this feature:

1. Scan the SWITCH bar code.
2. Scan the bar code below or on the following pages representing the desired Parity setting. You'll need to cover any unused bar codes, as well as facing pages to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



RS-232 PARITY = NONE

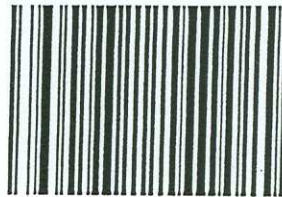
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SWITCH LABEL

UPC-A Number System Character Transmission

Enables/disables transmission of a UPC-A number system character.



NOTE

This feature **MUST** be enabled for IBM interfaces for proper function.
This item is ignored when the advanced feature, Full Label Edit, is enabled.

To set this feature:

1. Scan the SWITCH bar code.
2. Scan either the enable or disable bar code below. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



UPC-A NUMBER SYSTEM CHARACTER TRANSMISSION = DISABLE



UPC-A NUMBER SYSTEM CHARACTER TRANSMISSION = ENABLE

RS-232 Label ID Control

This feature specifies whether or not Label IDs are transmitted to the host and if so, whether to attach them as a prefix or suffix.



RS-232 LABEL ID CONTROL = DISABLE



RS-232 LABEL ID CONTROL = ENABLE AS PREFIX

UPC-A Check Character Transmission

Enables/disables transmission of a UPC-A check character.



NOTE

This item is ignored when the advanced feature, Full Label Edit, is enabled.

To set this feature:

1. Scan the SWITCH bar code.
2. Scan either the enable or disable bar code below. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.
3. Complete the programming sequence by scanning the SWITCH bar code.



UPC-A CHECK CHARACTER TRANSMISSION = DISABLE



UPC-A CHECK CHARACTER TRANSMISSION = ENABLE