Honeywell

MS2xxx

Stratos® Series - Mettler Toledo Diva Scale

Configuration Addendum

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Important Notes

Before You Start

It is important to read the text at the top of each page of bar codes. The text will provide important additional information about the restrictions and uses of the bar codes shown. Not all configuration codes are designed to be used for both a single and dual cable scanner/scale system. Many of the configuration bar codes require additional steps before the unit can be configured and placed into service. Most of the bar codes in this addendum were designed to be used with a Stratos model that includes a scale.

All of the bar codes in this manual require:

- The scanner/scale to have a firmware number of 15367 or higher
- All configuration bar codes must be scanned with the vertical window

The Unit Configuration bar codes (located on pages 3 and 4 of this addendum guide) require the scale security seal to be broken.

If the scale security seal is broken, it must be sealed and certified by local Weights and Measures authorities after the scale calibration process has been completed. The scanner/scale cannot be placed in service until it is sealed and certified by the proper authorities.

For further details on calibration procedures for Weights and Measures certification, refer to the Scale Operation: Calibration section of the Stratos Installation and User's Guide.

Important Notes:

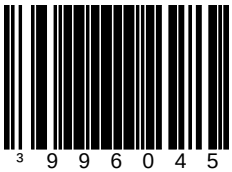
- The certification of the weighing mechanism of the scale version of this scanner is subject to federal, state and local Weights and Measures statutes and regulations and can only be performed by authorized government agencies and/or their duly registered agents. Each time the scale or weighing mechanism is calibrated, it should be properly sealed with a paper seal or a wire seal prior to being placed into service in commerce.
- It is the responsibility of the owner of the scale to confirm compliance with the relevant Weights and Measures statutes and regulations applicable in your area by checking with the appropriate government agency before placing a newly calibrated unit into service or removing any official seals.

Important Bar Codes

Scale Save Data Bar Code

The *Scale Save Data* bar code must be scanned last to “save” the changes in the scale’s memory. The scale will then reset and begin normal operation. This is required only for scale configuration items – not for calibration.

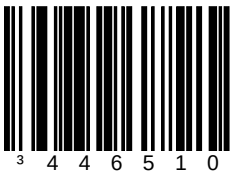
Scale Save Data



Scale Type Bar Code

The Stratos scanner should have been already programmed to recognize the type K Diva scale. If, for any reason, the scanner’s non-volatile memory is lost, the following bar code must be scanned to reprogram the scanner for the type K Diva scale.

Type K Diva Scale



Scale/Load Cell Configuration Bar Codes

Single or Dual Cable Scale Configuration Bar Codes

Unit Configuration (Pounds)

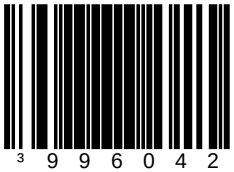
For Kilogram weight units see page 4.

The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **must** be in scale service mode to use these bar codes.

Pounds Calibration



Set the scale measuring range from 0.00 to 30.00 **pounds**.

Unit Configuration (Kilograms)

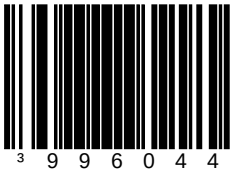
For Pound weight units see page 3.

The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the Scale to Host cable prior to configuring the scale.

The MS2xx0 **must** be in scale service mode to use these bar codes.

Kilograms Calibration



Set the scale measuring range from 0.000 to 15.000 **kilograms**.

Scale Configuration Bar Codes

Single or Dual Cable Scale Configuration Bar Codes

Pole Display Configuration

The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale Display
Single-Line Weight Only

3 9 9 6 0 0 3

Set the scale to **use** a single-line weight only display to show all scale activity.

The single-line display **must** be plugged into the *Scale to Display* connector on the MS2xx0 (*see Figure 1*).

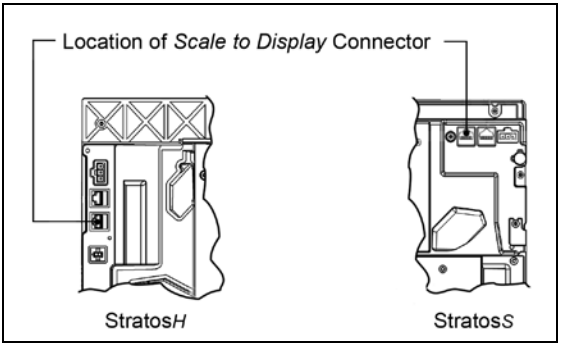


Figure 1. Location of Scale to Display Connector

Scale Display
4-line Price Computing

3 9 9 6 0 0 9

Set the scale to **use** a 4-line price computing display to show all scale activity.

The 4-line display **must** be plugged into the *Scale to Display* connector on the MS2xx0 (*see Figure 1*).

Pole Display Configuration

The following bar code can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale Has No Display

Set the scale to **not require** a remote display. All weights are expected on a POS terminal display.

A remote display **can not** be plugged into the *Scale to Display* connector on the MS2*xx*0 (*see Figure 1*).

Scale Settling Filter Configuration

The following bar code can be used to configure a **Single or Dual Cable** MS2xx0.

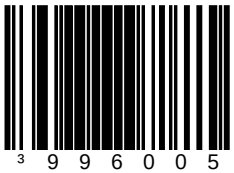
If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

The scale's filter setting allows the unit to withstand a certain amount of vibration from the checkout counter. A stronger filter allows for more vibration to be absorbed but the weight may take a little longer to settle. Scales are normally shipped with a loose filter.

* Scale = Loose Filter



Loose filter setting for low vibration environments.

** Factory Default Setting*

Scale Settling Filter Configuration

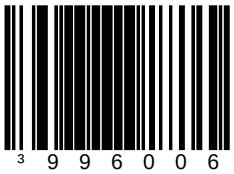
The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

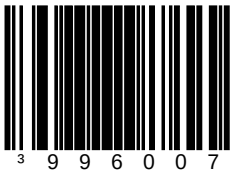
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = Medium Filter



Medium filter setting for moderate vibration environments.

Scale = Strong Filter



Strong filter setting for high vibration environments.

Scale Internal Beeper

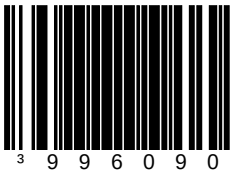
The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

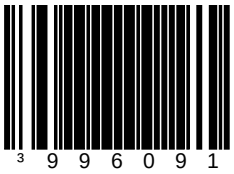
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale Beep On



Enable the internal scale beeper to beep when remote display keys are depressed.

*Scale Beep Off



Turn off the internal beeper inside the scale. This is the desired default as the scanner beeper is the main tone generator.

** Factory Default Setting*

Zero Cursor

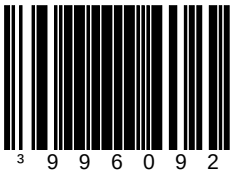
The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

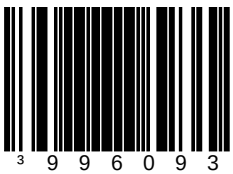
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Zero Cursor Off



Turn off the zero cursor that appears on the display when the scale is in the zero weight area.

*Zero Cursor On



Enable the zero cursor to appear on the display when the weight is within the zero weight area.

** Factory Default Setting*

Quantitative Separator

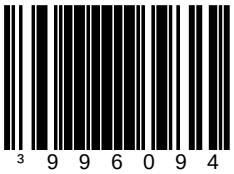
The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

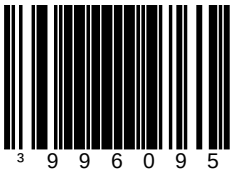
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Decimal Pt Separator



Use a decimal point to separate the units from fraction values on the remote display.

Comma Separator



Use a comma to separate the units from fraction values on the remote display.

Dual Cable Scale Configuration Bar Codes

Scale Protocols

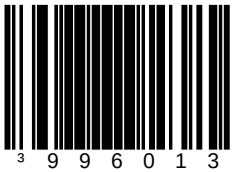
The following bar codes will change scale parameters intended for a **Dual Cable** environment. To place the scanner in Dual Cable mode, please refer to page 25.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = EPOS Protocol

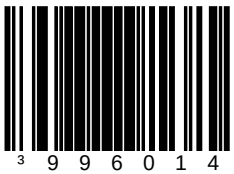


Set the scale RS232 protocol to Serial EPOS.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale = EPOS2 Protocol



Set the scale RS232 protocol to Modified Serial EPOS.

This Protocol does not require the POS terminal to send the weight back to the scale for validation.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale Protocols

The following bar codes will change scale parameters intended for a **Dual Cable** environment. To place the scanner in **Dual Cable** mode, please refer to page 25.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

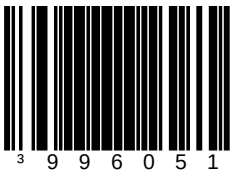
Scale = 8217 Protocol

Set the scale RS232 protocol to 8217.

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale = 8213 Protocol



Set the scale RS232 protocol to 8213.

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale Protocols

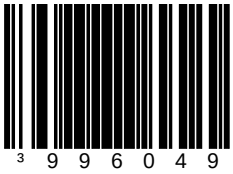
The following bar codes will change scale parameters intended for a **Dual Cable** environment. To place the scanner in **Dual Cable** mode, please refer to page 25.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = ICL Protocol

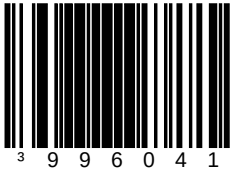


Set the scale RS232 protocol to Serial ICL.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale = EMEA
Special Configuration



Set the scale to EPOS protocol, kilograms, with a remote display, loose filter, no price computing, and scroll weight.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale Protocols

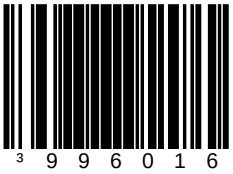
The following bar codes will change scale parameters intended for a **Dual Cable** environment. To place the scanner in **Dual Cable** mode, please refer to page 25.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

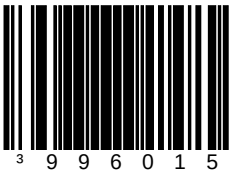
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = NCI Protocol



Reserved for Future NCI Protocol Variation

Scale = NCI-ECR Protocol



Set the scale RS232 protocol to NCI-ECR.

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Scale Protocols

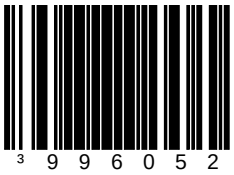
The following bar codes will change scale parameters intended for a **Dual Cable** environment. To place the scanner in **Dual Cable** mode, please refer to page 25.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

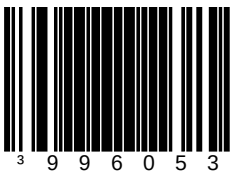
*****NCI = 4 Status Bytes



Set the number of status bytes reported by the NCI scale protocol to 4 status bytes.

** Factory Default Setting*

NCI = 2 Status Bytes



Set the number of status bytes reported by the NCI scale protocol to 2 status bytes.

Scale Protocols

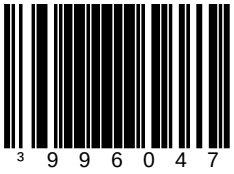
The following bar code will change scale parameters intended for a **Dual Cable** environment. To place the scanner in **Dual Cable** mode, please refer to page 25.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = Price Compute Setup



Set the scale for price computing setup.

- Price computing display
- Dialog 06 Protocol
- 9600 Baud
- Odd Parity
- 7 Data Bits, 1 Stop Bit

COM Port Settings (Baud Rate)

The following bar codes will change scale parameters intended for a **Dual Cable** environment.

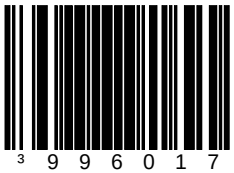
If a *Scale Protocol* bar code from page 12 to 17 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

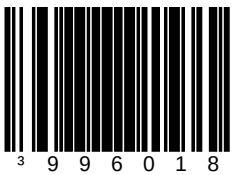
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = 2400 Baud Rate



Set the scale baud rate for dual cable applications to **2400 baud**.

Scale = 9600 Baud Rate



Set the scale baud rate for dual cable applications to **9600 baud**.

COM Port Settings (Baud Rate)

The following bar codes will change scale parameters intended for a **Dual Cable** environment.

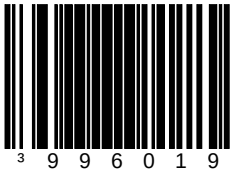
If a *Scale Protocol* bar code from page 12 to 17 is used, the bar codes below must be scanned **after** the *Scale Protoco*l bar code in order to be effective.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

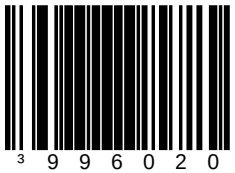
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = 19200 Baud Rate



Set the scale baud rate for dual cable applications to **19200 baud**.

Scale = 38400 Baud Rate



Set the scale baud rate for dual cable applications to **38400 baud**.

COM Port Settings (Data Bits & Parity)

The following bar codes will change scale parameters intended for a **Dual Cable** environment.

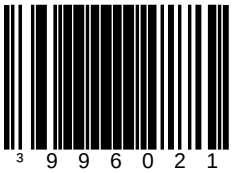
If a *Scale Protocol* bar code from page 12 to 17 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

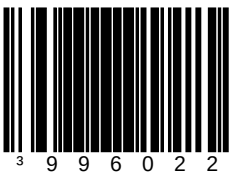
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = 7 Data Bits, Odd Parity



Set the scale communication parameters to 7 data bits, odd parity.

Scale = 7 Data Bits, Even Parity



Set the scale communication parameters to 7 data bits, even parity.

COM Port Settings (Data Bits & Parity)

The following bar codes will change scale parameters intended for a **Dual Cable** environment.

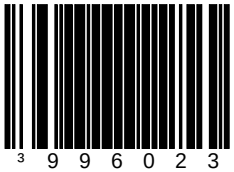
If a *Scale Protocol* bar code from page 12 to 17 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

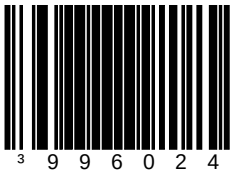
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = 8 Data Bits, No Parity



Set the scale communication parameters to 8 data bit, no parity.

Scale = Odd Parity



Set the scale communication to odd parity.

COM Port Settings (Data Bits & Parity)

The following bar codes will change scale parameters intended for a **Dual Cable** environment.

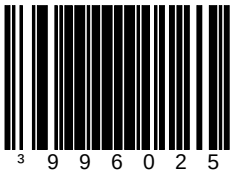
If a *Scale Protocol* bar code from page 12 to 17 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

If the MS2xx0 is currently in a **Dual Cable** configuration, temporarily disconnect the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

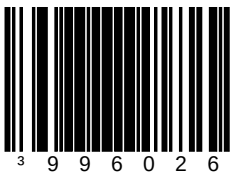
The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

Scale = Even Parity



Set the scale communication to even parity.

Scale = No Parity



Set the scale communication to no parity.

Single Cable Scale Configuration Bar Codes

Set Scale for Single Cable Communication

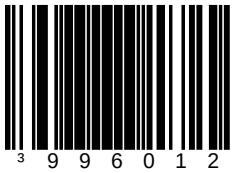
If the MS2xx0 is currently in a **Dual Cable** configuration, disconnect and remove the **Scale to Host cable** prior to configuring the scale.

The MS2xx0 **does not** need to be in scale service mode.

The *Scale Save Data* bar code **must** be scanned last to save the changed configuration (see page 2).

If your application requires single cable communication, scan the following bar code to set the scale configuration to the single cable defaults as required by the scanner.

Scale = Single Cable Interface



Set the scale to communicate via the single-cable interface.

Scanner Configuration Bar Codes

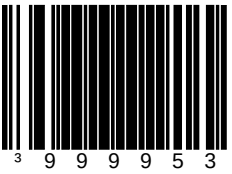
Dual Cable Scanner Configuration Bar Codes

Dual Cable Scanner Mode

The following bar codes can be used to place, as well as configure, the scanner in **Dual Cable** mode.

The MS2xx0 **does not** need to be in scale service mode to use the following bar codes.

Scanner = Dual Cable Mode



Places the *scanner* in **Dual Cable** mode.

In a dual cable environment, the scanner and scale work independently. In this mode the host must have a dedicated RS232 port to receive the scale data and the bar code data is sent via its own cable to a separate communication port.

Communication Port Settings:

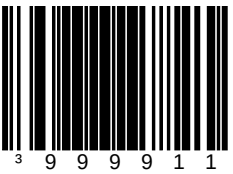
- 9600 Baud, 8 Data Bits, 1 Stop Bit, No Parity

There are two methods of configuring the **scanner** to a stand-alone protocol:

- Scan the Dual Cable Mode bar code on this page (if a scale is used)
  or
- If no scale is required, scan one of the single cable protocols on pages 28 - 36 and then scan the *No Scale* bar code on page 48.

Dual Cable Scanner OPOS Mode

Scanner Only
Dual Cable OPOS Defaults



Use this bar code when the scanner is to be setup using the OPOS drivers in the dual cable mode.

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Various Dual Cable Scanner Mode

The following bar codes can be used to configure a **Dual Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

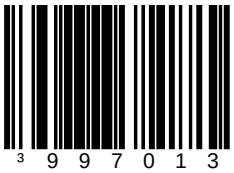
REWE

Dual Cable RS232 - REWE

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 2 Stop Bit
- Space Parity

TESCO UK



Dual Cable RS232 – TESCO UK

Communication Port Settings:

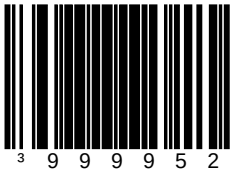
- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- Odd Parity

IBM 3rd Generation 46xx and IBM OEM Full Speed USB

The following bar codes can be used to configure a **Dual Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

IBM 3rd Generation Communication



When scanned the Stratos will operate as a table top scanner only.

Terminal configuration, IBM 4690.OS terminal device group configuration screen select:

#1 scanner or
#3 scanner.

IBM OEM Full Speed USB Communication Defaults

When scanned the Stratos will operate as a table top scanner only.

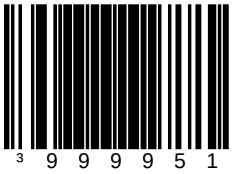
Single Cable Protocols for POS Compatibility

MSS Global

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

MSS Global, English

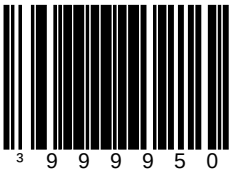


Scanner/Scale, **Single Cable** RS232
MSS Global Retail, English Units

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

MSS Global, Metric



Scanner/Scale, **Single Cable** RS232 MSS Global Retail, Metric Units

Communication Port Settings:

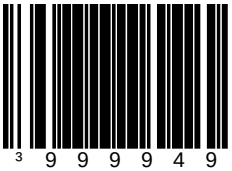
- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

ISS45

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

ISS45, English

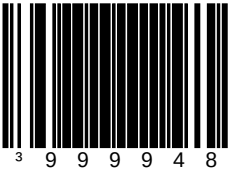


Scanner/Scale, **Single Cable** RS232
ISS45, English Units

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

ISS45, Metric



Scanner/Scale, **Single Cable** RS232
ISS45, Metric Units

Communication Port Settings:

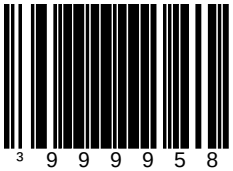
- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

OPOS

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

OPOS, English

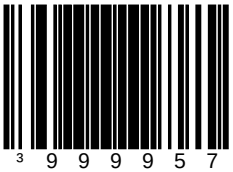


Scanner/Scale **Single Cable** RS232 OPOS, English Scale Defaults

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

OPOS, Metric



Scanner/Scale **Single Cable** RS232 OPOS, Metric Scale Defaults

Communication Port Settings:

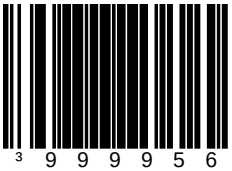
- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Retalix/NCR

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

Retalix/NCR English

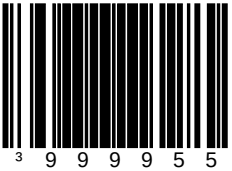


Scanner/Scale **Single Cable** RS232 Retalix/NCR Communication, English

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Retalix/NCR Metric



Scanner/Scale **Single Cable** RS232 Retalix/NCR Comm, Metric

Communication Port Settings:

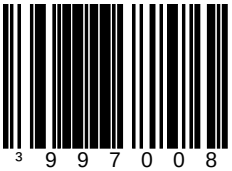
- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

IT Retail

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

IT Retail, English

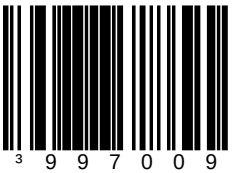


Scanner/Scale **Single Cable** RS232
IT Retail, English

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

IT Retail, Metric



Scanner/Scale **Single Cable** RS232
IT Retail, Metric

Communication Port Settings:

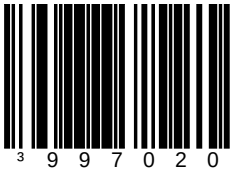
- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

IBM Self Checkout System

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

IBM Self Checkout System, English

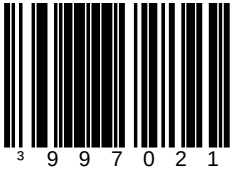


Scanner/Scale **Single Cable** RS232 - IBM Self Checkout System, English

Communication Port Settings:

- 19200 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

IBM Self Checkout System, Metric



Scanner/Scale **Single Cable** RS232 - IBM Self Checkout System, Metric

Communication Port Settings:

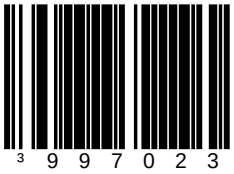
- 19200 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

Various RS232 Single Cable Codes

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Morrison's Tec Metric

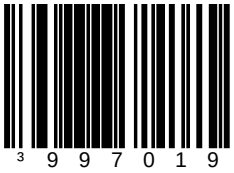


Scanner/Scale Single Cable RS232 – Morrison's with Tec Display, Metric

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

Reliance India Metric



Scanner/Scale Single Cable RS232 - Reliance India, Metric

Communication Port Settings:

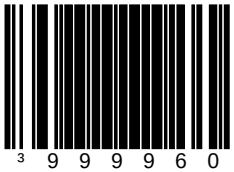
- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

IBM 3rd Generation 46xx

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

IBM 3rd Generation 46xx, English†

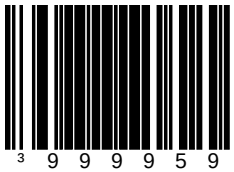


Scanner/Scale **Single Cable** IBM 46xx†, RS485, English (lbs.)

† Terminal Configuration, IBM 4690.OS Terminal Device Group Configuration screen select:

#2 Scanner with integrated scale
or
#4 4696 scanner/scale

IBM 3rd Generation 46xx, Metric†



Scanner/Scale **Single Cable** IBM 46xx†, RS485, Metric (kg)

IBM OEM Full Speed USB

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale service mode.

IBM OEM
Full Speed USB, English

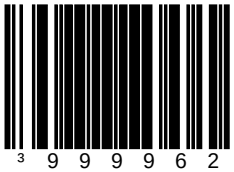


Table Top Scanner/Scale **Single Cable**, IBM OEM Full Speed USB, 4-Digit Weight Mode, English (lbs.)

IBM OEM
Full Speed USB, Metric

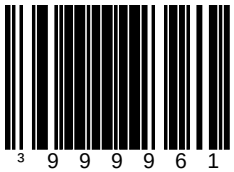


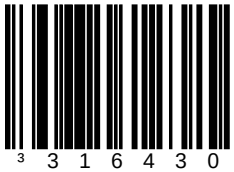
Table Top Scanner/Scale **Single Cable**, IBM OEM Full Speed USB, 5-Digit Weight Mode, Metric (kg)

Additional POS Data Formatting

Full Speed USB Table Top/Handheld

The following codes **do not** require that the MS2xx0 to be in scale service mode.

Scanner 4B Handheld



Full Speed USB interface to 4B00h handheld usage.

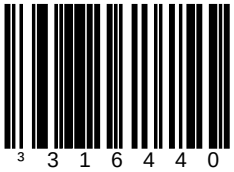
Scanner 4A Flatbed

Full Speed USB interface to 4A00h table top usage.

Full Speed USB Table Top/Handheld

The following code **does not** require that the MS2xx0 to be in scale service mode.

Scanner/Scale 4A/6E
Table Top



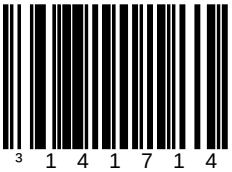
Full Speed USB interface to the 4A00h/6E00h table top scanner/scale usage.

This option is only compatible with Stratos models that have a scale.

Special Function ACK

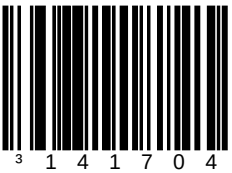
The following codes **do not** require that the MS2xx0 to be in scale service mode.

Enable Special Function ACK Answer



Answer simple special functions with ACK.

* Disable Special Function ACK

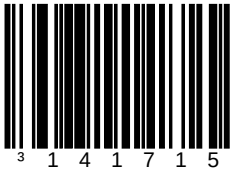


*** FACTORY DEFAULT SETTING**

Prefix/Suffix

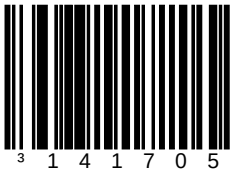
The following codes **do not** require that the MS2xx0 to be in scale service mode.

Use Protocol Prefix/Suffix



Add protocol prefixes and suffixes to the bar code.

* Program the Prefix/Suffix Separate

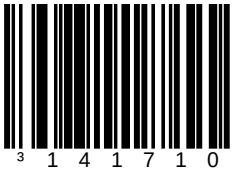


** Factory Default Setting*

3x-30 Acknowledge Responses

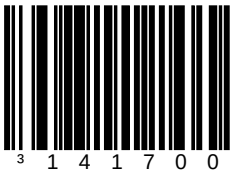
The following codes **do not** require that the MS2xx0 to be in scale service mode.

No 3x-30 Answer



This bar code will **inhibit** all 'simple acknowledge' (3x-30) answers to POS or OPOS commands.

*****3x-30 Answer



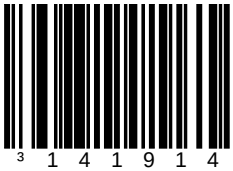
The scanner will answer all NCR and OPOS commands that require a 3x-30 acknowledgement.

***** *Factory Default Setting*

Special Function Command Responses

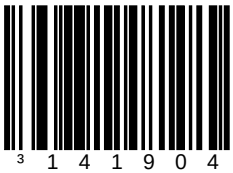
The following codes **do not** require that the MS2xx0 to be in scale service mode.

Spec Func Ans 3x30



Answer Special Function commands in the 3x-30 format as opposed to the Ack / Nak which is the norm.

*****Spec Func Ans Ack



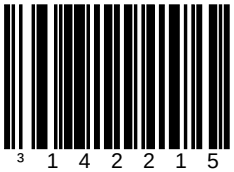
Answer Special Function commands in the Ack / Nak format.

** Factory Default Setting*

Special Function Command Responses

The following codes **do not** require that the MS2xx0 to be in scale program mode.

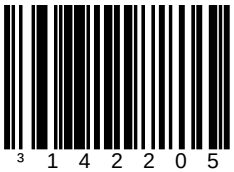
Spec Func 30-30 Status



Returns Special Function commands in the 30-30 status as opposed to the 33-30 status.

Note: Requires ‘Spec Func Ans 3x-30’ on page 42 to be set.

*****No Spec Func 30-30 Status



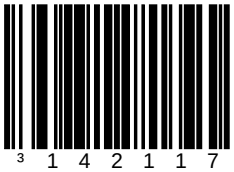
Disables redirection of Special Function 3x-30 status to 30-30 status.

***** *Factory Default Setting*

Special Function Command Responses

The following codes **do not** require that the MS2xx0 to be in scale program mode.

No Command Reject Answer



This bar code will ignore sending a command reject answer to the POS mode.

*****Send Command Reject Answer

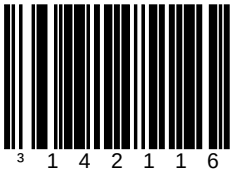
This bar code will send command reject answer to the POS if the command is rejected by the scanner.

****** *Factory Default Setting*

Special Function Command Responses

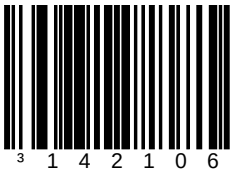
The following codes **do not** require that the MS2xx0 to be in scale program mode.

No Spec Func Answer



This bar code will ignore sending a special function response answer in POS mode.

*****Spec Func Answer



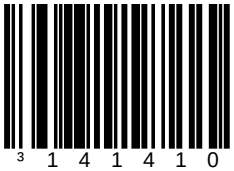
This bar code will send a special function response answer to the POS.

***** *Factory Default Setting*

BCC in POS communications

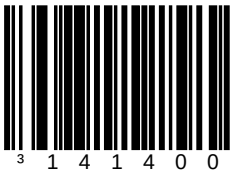
The following codes **do not** require that the MS2xx0 to be in scale service mode.

Skip BCC in messages



This bar code will tell the scanner to NOT expect or transmit the Block Check Character in all message transmissions..

*****Add BCC in messages



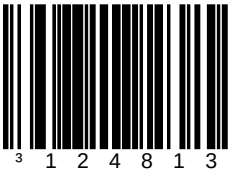
The scanner will expect and answer all messages with the Block Check Character included.

***** *Factory Default Setting*

3 Scale Status Bytes

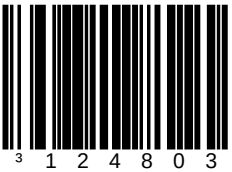
The following codes **do not** require that the MS2xx0 to be in scale service mode.

Enable
3 Scale Status Bytes



Required for applications where the host system display is the primary scale display and there is no remote pole display connected directly to the scanner/scale unit.

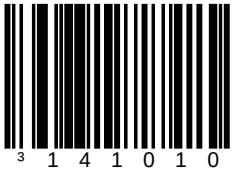
Disable
3 Scale Status Bytes



Scale Options

The following codes **do not** require that the MS2xx0 to be in scale service mode.

5-Digit Weight



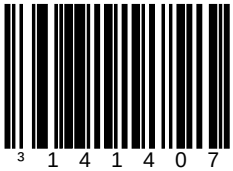
Sets the English Mode weight to 5-digits, as in xx.yyy pounds.

In order to work properly, this bar code must be scanned AFTER scanning one of the English configuration bar codes found on pages 28 - 36.

Scan the *No Scale bar* code:

1. If no scale is installed and one of the single cable protocol bar codes found on pages 28 - 36 has already been scanned.
2. If the scale is in a dual cable environment and one of the single cable protocol bar codes found on pages 28 - 36 has already been scanned.

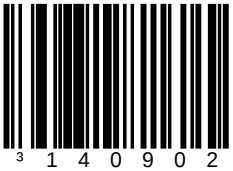
No Scale



Remote Display

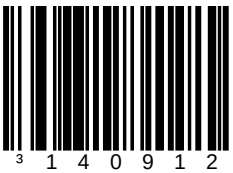
The following codes **do not** require that the MS2xx0 to be in scale service mode.

No Remote Display



When no remote display is installed, scan the *No Remote Display* bar code AFTER scanning one of the configuration bar codes found on pages 28 - 36 to remove the scale's display from the scanner memory.

Remote Display

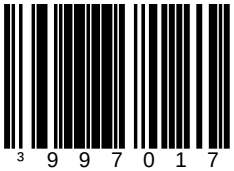


Add remote display to the **scanner's** memory.

StratosSTATS

The following codes **do not** require that the MS2xx0 to be in scale service mode.

Activate StratosSTATS



This bar code sets:

a. StratosSTATS bar code data formatting active.
b. Bar code Attempt Interval to 0.5 seconds.
c. Time to find supplements (code 128) to 0.3 seconds.

Use StratosSTATS monitor to test this output format. When used with a POS, it must have the capability to parse and recognize the additional data.

*StratosSTATS Off

Remove StratosSTATS data formatting from the bar code output transmission.

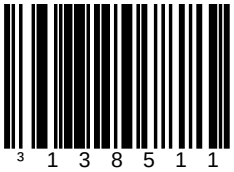
** Factory Default Setting*

StratosSTATS

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Do not scan these bar codes unless instructed by a customer service representative.

Dual Stats Xmit

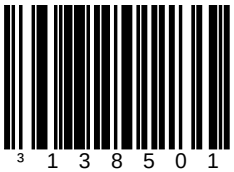


Allows non-RS232 interfaces transmit normally without StratosSTATS and concurrently RS232 interfaces transmit with StratosSTATS.

Recommended RS232 Settings:

- 38400 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity
- No Inter-character Delay

*No Dual Stats Xmit



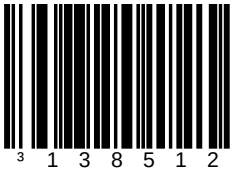
** Factory Default Setting*

StratosSTATS

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Do not scan these bar codes unless instructed by a customer service representative.

Dual Xmit Carriage Return



This bar code enables a secondary carriage return suffix to be used only for the dual StratosSTATS RS232 transmission.

*No Dual Xmit Carriage Return

Resets StratsSTATS RS232 dual transmission suffix.

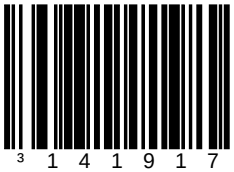
** Factory Default Setting*

Additional POS Related Functions

Scanner Beep on Weight Sent

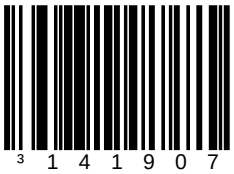
The following codes **do not** require that the MS2xx0 to be in scale service mode.

Beep on Weight



Request scanner beep when a successful weight is sent. This code should only be used for 'weight on demand' applications. If used with periodic weight request applications, the beeper will be continuously active (ON).

*****Disable
Beep on Weight



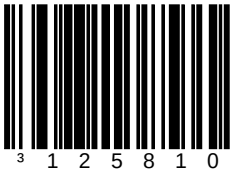
When no beep on weight is desired.

** Factory Default Setting*

Restrict In-Store Codes

The following codes **do not** require that the MS2xx0 to be in scale program mode.

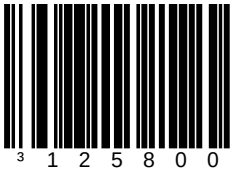
Restrict In-Store Codes



This bar code places tighter restrictions on in-store codes. These codes are:

EAN13 Sys2
UPCA Sys2 and Sys4

*****No Restrict In-Store Codes



Disable restrictions on in-store codes.

** Factory Default Setting*

Scale Shadow Mode

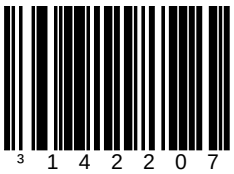
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Scale Shadow Mode

This bar code sets the scale to the highest priority to allow for frequent scale - POS commands.

This bar code is only to be used in single cable scale mode.

*****No Scale Shadow Mode



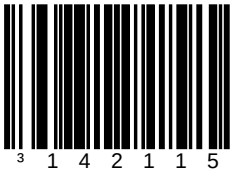
Disables the Scale Shadow Mode.

** Factory Default Setting*

Scanner Razz on Not-On-File

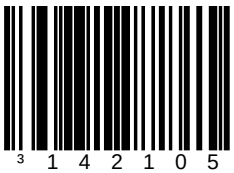
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Razz on Not-On-File



This bar code changes the audible to a razz signal when a Not-On-File command is received.

*****Beep on Not-On-File



This bar code restores the beep as the Not-On-File audible.

** Factory Default Setting*

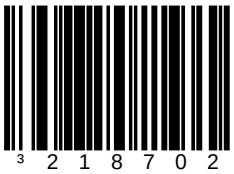
Additional Scanner Configuration Bar Codes

Horizontal Depth of Field

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Do not scan these bar codes unless instructed by a customer service representative.

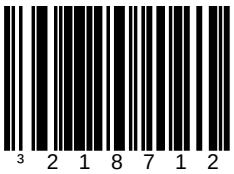
*****Horizontal High DOF



This bar code sets the DOF for all horizontal laser channels to High DOF, which allows the farthest scanning.

** Factory Default Setting*

Horizontal Medium DOF



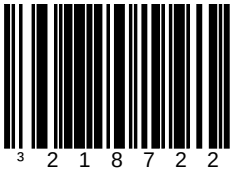
This bar code sets the DOF for all horizontal laser channels to Medium DOF.

Horizontal Depth of Field

The following codes **do not** require that the MS2xx0 to be in scale program mode.

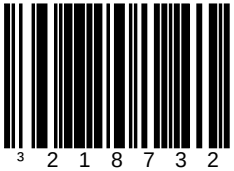
Do not scan these bar codes unless instructed by a customer service representative.

Horizontal Close DOF



This bar code sets the DOF for all horizontal laser channels to Close DOF.

Horizontal Ultra Close DOF



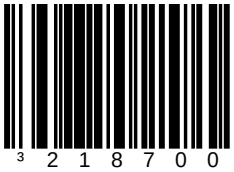
This bar code sets the DOF for all horizontal laser channels to Ultra Close DOF.

Vertical Depth of Field

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Do not scan these bar codes unless instructed by a customer service representative.

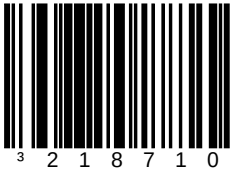
*****Vertical High DOF



This bar code sets the DOF for the vertical laser channels to High DOF, which allows the farthest scanning.

** Factory Default Setting*

Vertical Medium DOF



This bar code sets the DOF for vertical laser channels to Medium DOF.

Vertical Depth of Field

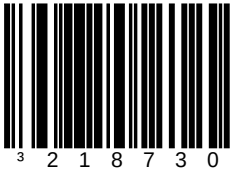
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Do not scan these bar codes unless instructed by a customer service representative.

Vertical Close DOF

This bar code sets the DOF for the vertical laser channels to Close DOF.

Vertical Ultra Close DOF



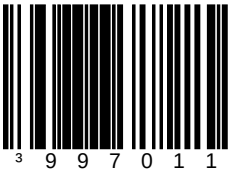
This bar code sets the DOF for vertical laser channels to Ultra Close DOF.

Auxiliary Port

StratosSCHOOL™

The following codes **do not** require that the MS2xx0 to be in scale service mode.

Auxiliary History Report



The Auxiliary port may be used to download or clear data to Stratos***SCHOOL***™.

The two commands that can be used are Upload Scanner Data and Clear Scanner Data within the Serial Program Interface box on the Stratos***SCHOOL***™ screen.

Auxiliary Program Cable (MLPN 57-57008x-N-3) is required for this feature.

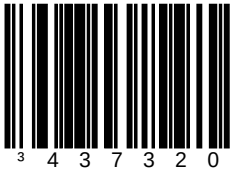
Quick Start for a Secondary Honeywell Scanner

The following codes **do not** require that the MS2xx0 to be in scale service mode.

Step 1

Use the **Stratos** to scan the following bar code. This bar code will configure the Stratos' auxiliary port to accept a Honeywell scanner as the secondary scanner.

Enable Stratos Auxiliary Port



Aux 8 Data Bits

Note: The auxiliary input port's data format must match the main output format of the secondary scanner

Step 2

Configure the secondary scanner to match the auxiliary port's data format. Use the **Secondary Scanner** to scan the following bar codes in the order shown.

Enter Configuration Mode

Enable Auxiliary Output

Set Stratos Format

Disable Secondary Scanner Beeper

Enable Communication Time Out

Disable CR Suffix

Configuration sequence continued from previous page.

Disable LF Suffix

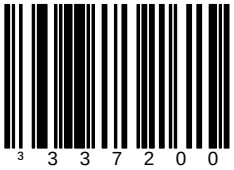
Exit Configuration Mode

EAS Bar Codes

EAS Device Types

The following codes **do not** require that the MS2xx0 to be in scale program mode.

*****No EAS Device



No EAS device is connected.

** Factory Default Setting*

EAS Device Type 1

Sensormatic ScanMax Pro

EAS Device Types

The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS Device Type 2

EAS Device Type 3

EAS Device Types

The following code **does not** require that the MS2xx0 to be in scale program mode.

EAS Device Type 4

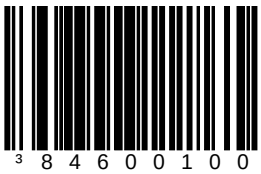
EAS Timeout

The following codes **do not** require that the MS2xx0 to be in scale program mode.

*****EAS = 0 seconds

** Factory Default Setting*

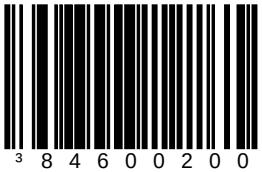
EAS = 1 second



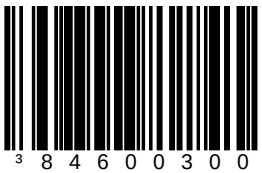
EAS Timeout

The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS = 2 seconds



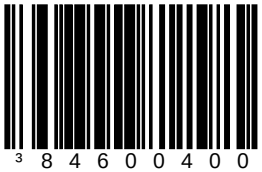
EAS = 3 seconds



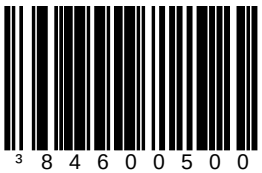
EAS Timeout

The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS = 4 seconds



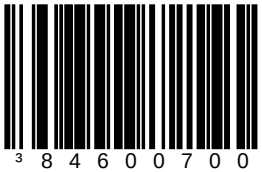
EAS = 5 seconds



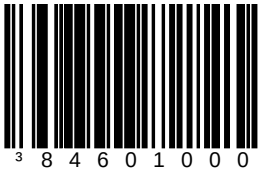
EAS Timeout

The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS = 7 seconds



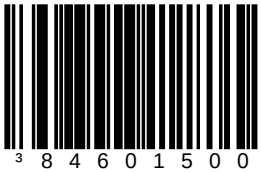
EAS = 10 seconds



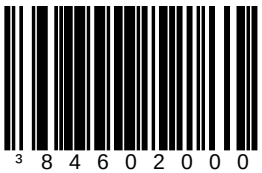
EAS Timeout

The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS = 15 seconds



EAS = 20 seconds



EAS Connection

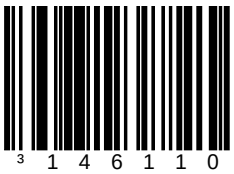
The following codes **do not** require that the MS2xx0 to be in scale program mode.

*****EAS Digital Aux Port

The EAS signals use the RTS and CTS line of the Auxiliary RS232 In connector.

** Factory Default Setting*

EAS Digital Host Port

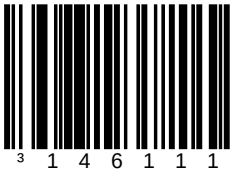


The EAS signals use the RTS and CTS lines of the scanner RS232 to Host connector.

EAS Connection

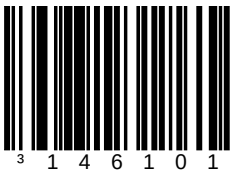
The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS RS232 on Aux Port



This bar code allows the EAS RS232 signal to use the Tx Out and Rx In lines of the scanner to Aux RS232 In connector.

*****No EAS RS232 on Aux Port



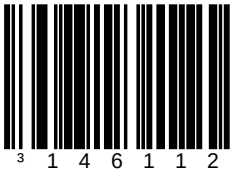
There is no EAS RS232 signal (Tx Out and Rx In) used on the scanner Aux RS232 In connector.

** Factory Default Setting*

EAS Connection

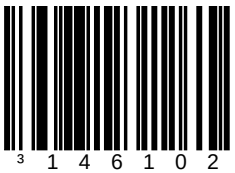
The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS RS232 on Host Port



This bar code allows the EAS RS232 signal to use the Tx Out and Rx In lines of the scanner to Host RS232 In connector.

*****No EAS RS232 on Host Port



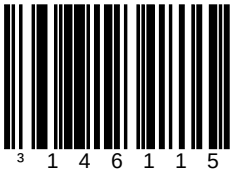
There is no EAS RS232 signal (Tx Out and Rx In) used on the scanner to Host RS232 In connector.

** Factory Default Setting*

Continuous Mode

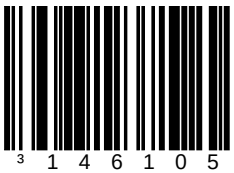
The following codes **do not** require that the MS2xx0 to be in scale program mode.

EAS Continuous Mode



When in continuous mode and the scanner is enabled, the EAS will always be online to deactivate an EAS tag.

*****EAS Interlock Mode



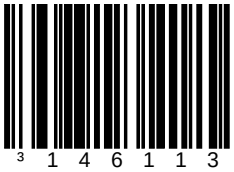
This bar code establishes EAS is used in the Interlocked mode.

** Factory Default Setting*

EAS Deactivation

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Blink Scan LED on Deactivation



The scanner will blink the scan LED upon receipt of an EAS deactivate acknowledge signal.

*****No Blink LED on Deactivation

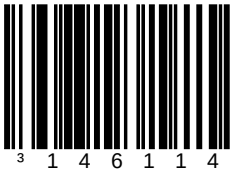
Do not blink the scan LED upon receipt of an EAS deactivate acknowledge signal.

** Factory Default Setting*

EAS Deactivation

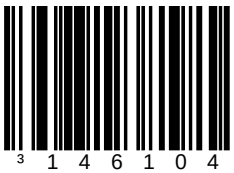
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Fast Beep on Deactivation



Fast beep the scanner's beeper receipt of an EAS deactivate acknowledge signal.

*****No Beep on Deactivation



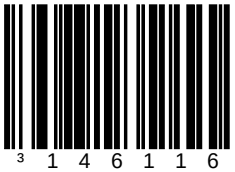
Do not fast beep the scanner's beeper receipt of an EAS deactivate acknowledge signal.

** Factory Default Setting*

EAS Deactivation

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Volume Switch = Manual



The volume switch is used for manual EAS deactivation switch.

*****Volume Switch = Normal

Volume switch is used for normal volume function.

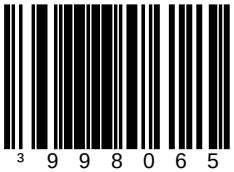
** Factory Default Setting*

Sensormatic ScanMax Pro

The following codes **do not** require that the MS2xx0 to be in scale program mode.

The RS232 EAS cable **must** be connected to one of the RS232 scanner ports.

EAS Function #1



For Sensormatic ScanMax Pro, get EAS's deactivation count and transmit the information over the current scanner interface.

EAS Function #2

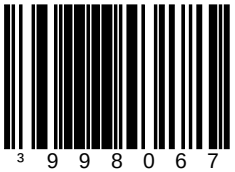
For Sensormatic ScanMax Pro, get EAS's device type and transmits the information over the current scanner interface.

Sensormatic ScanMax Pro

The following codes **do not** require that the MS2xx0 to be in scale program mode.

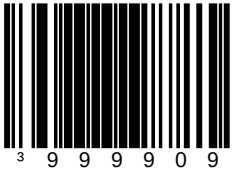
The RS232 EAS cable **must** be connected to one of the RS232 scanner ports.

EAS Function #3



For Sensormatic ScanMax Pro, get EAS's hardware version, software version, and serial number and transmit the information over the current scanner interface.

ScanMax RS232 Defaults



For Sensormatic ScanMax Pro, RS232 default setup.

- AUX port connect
- 5 second timeout
- blink LED on deactivate

Scanner Test Bar Codes

Supplemental Tests

Display Software Numbers

The following codes **do not** require that the MS2xx0 to be in scale service mode.

This code is for test purposes only.

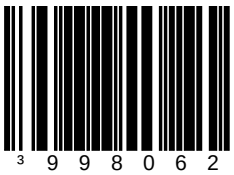
The following code will display software numbers on the 2-digit diagnostic display. The lasers will be turned off while the numbers are being displayed. The first number is the main decode processor software number. The second number is the I/O processor's software number. Since only 2 digits can be displayed at a time, the following sequence is used as an example of what may be observed:

2-Digit Display		Description of each sequentially displayed sets of digits. (Example shown will represent: ' 15269' ' 15138')
x 1	=	The first digit of the five main decode processor software number appears right justified.
5 2	=	The second and third digits.
6 9	=	The forth and fifth digits.
x x	=	Pause before next set of numbers.
x 1	=	The first digit of the five digit I/O processor software number appears right justified.
5 1	=	The second and third digits.
3 8	=	The forth and fifth digits.

x = *Blank / No Digit Displayed*

After the last sets of digits are displayed, the scanner resumes scanning operation. If the current interface does not use an I/O processor, the software number may appear ' 0 00 00'. This capability exists in software 15269 and later.

Display Software Number



Customer Support

Technical Assistance

If you need assistance installing or troubleshooting your device, please call your distributor or the nearest technical support office:

North America/Canada
Telephone: (800) 782-4263
E-mail: hsmnasupport@honeywell.com

Latin America
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E-mail: soporte.hsm@honeywell.com

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Online Technical Assistance

You can also access technical assistance online at www.honeywellaidc.com.

Product Service and Repair

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North America
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E-mail: hsmnaservice@honeywell.com

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Telephone: (800) 782-4263
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E-mail: laservice@honeywell.com

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