



- *Datalogic Scanner/Scale Setup*
- *or ISS45 with RS-232*
- *(v10)*
- 
- 



## PSC/Datalogic RS-232/Serial Scanner/Scale Setup for ISS45

Date of Issue	Product ID Num.	Part Number	Brief Description
February 2012	45001/104	89000718	Updated for New Models
February 2012	45001/104	89000719	Updated for New Models
February 2014	45001/104	89000809	Updated for New Models
October 2015	45001/104	89000866	Updated for New Models

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Address comments and corrections regarding this document to:

Attn: Software Program Director  
NCR  
797 Commonwealth Drive  
Warrendale, PA 15086

# Programming the DataLogic QS2500 Handheld, QS6500 Handheld, Magellan 1000i, QD2130, GBT4100, GD4400, GBT4400, 1100i 2D, Magellan 8200, 8300, 8400 8500, 8500XT, 9800i, 9400i Scanner-Scale for ISS45

The following steps must be used to program the DataLogic RS232 scanners to work with the ISS45 software.

1. Labels to support the QS2500 handheld. (See attachment A)
2. Labels to support the QS6500. (See attachment B)
3. Labels to support the 8200/8500. (See attachment C)
4. Labels to support the 1000i (See attachment D)
5. Labels to support the 8300/8400. (See attachment E)
6. Labels to support the 8500XT (See attachment F)
7. Labels to support the QD2130 (See attachment G)
8. Labels to support the GBT4100 (See attachment H)
9. Labels to support the GD4400 & GBT4400 (See attachment I)
10. Labels to support the 1100i 2D (See attachment J)
11. Labels to support the 9800i (See attachment K)- NOTE: Will not undergo Certification Testing but should work same as 8500Xt does.
12. Labels to support the 9400i (See attachment L)- NOTE: Will not undergo Certification Testing but should work same as 8500Xt does.
13. The V7 setup for the QS2500/QS6500/1000i/QD2130/GBT4100/GD4400/GBT4400/1100i 2D when connected to the POST COM port.
  - a. Com: The COM port connection
  - b. IRQ: IRQ # of the COM Port above
  - c. Baud Rate: 9600
  - d. Data Bits: 8
  - e. Parity: Even
  - f. Handshake: checked
14. The V8 setup for the QS2500/QS6500/1000i/QD2130/ GBT4100/ GD4400/ GBT4400/ 1100i 2D when connected to the POST COM port.
  - a. Port: The COM port connection
  - b. Baud Rate: 9600
  - c. Parity: Even
  - d. Data bits: 8
15. The V7 setup for the 8200/8300/8400/8500/8500XT/9800i/9400i single cable scanner/scale  
Note: Setup is done under the Scale section for the single cable scanner/scale
  - a. Type: Scan/Scale single
  - b. COM: The COM port connection
  - c. IRQ: IRQ of the COM port connection
  - d. Baud Rate: 9600
16. The V8 setup for the 8200/8300/8400/8500/8500XT/9800i/9400i single cable scanner/scale  
Note: Setup is done under the Scale section for the single cable scanner/scale
  - a. Port: The COM port connection
  - b. Type: NCR 7870 Scanner/Scale
  - c. Baud Rate: 9600
  - d. Data bits: 7
  - e. Parity: Even
  - f. Display constant weight (customer specific to hardware setup)

**NOTE: Databar Expanded coupons are currently supported in ISS45 V7.1.5.0-050 and V8.1.4.0-050 and above only.**

## Important:

Be sure to disable any unsupported label types if your store has items that should not be scanned. i.e. QR Codes, etc. Refer to the appropriate Scanner Model Programming Manual available at Datalogic Website.

# Appendix A

## QS 2500 Handheld Programming

### Programming to set the QS2500 Back to Factory Defaults

Scan start then defaults and wait for beep



UPC-E Check Disab



O A C 3

0



/ 0 /

0



/ 0 /

store settings



% % +

Flow Control



3 A A N

0



/ 0 /

1



/ 1 +

store settings



% % +



Read RSS-14



0



1



Store Settings



Read RSS Expanded



0



1



Store Settings

EXIT



% \$ \$ Y

# Appendix B

## Programming for QS6500 Handheld

### Programming to set the QS6500 Back to Factory defaults

QS6500 Factory Default



Start



PARITY EVEN



Enable Hardware Flow contrc



Disable UPC-E Check Digit



Enable RSS-14



Set RSS-14 Code ID



0



0



0



0



SET



Enable RSS Expanded



Set RSS Expanded Code ID



0



0



0



0



SET



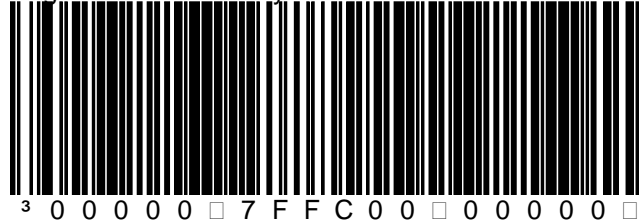
END

3 % %

# Appendix C

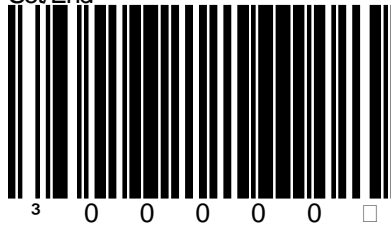
## Magellan 82/8500 Single-cable RS232 Programming labels for ISS45 POS Application.

Magellan 82/8500 Factory Default



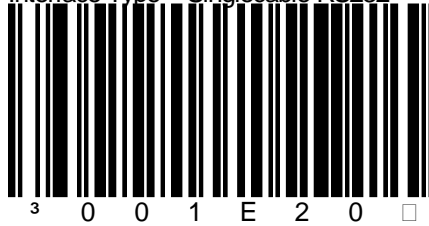
Use the Set/End bar code to ENTER Programming Mode.

Set/End

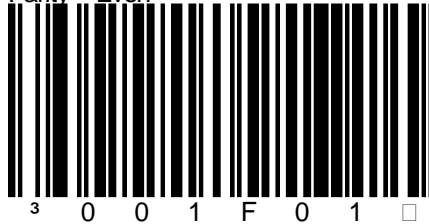


Separate then scan the following barcodes.

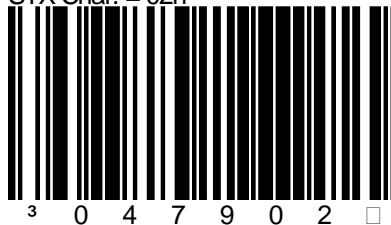
Interface Type = Singlecable RS232



Parity = Even



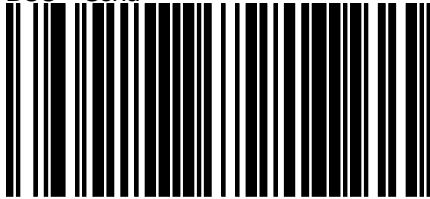
STX Char. = 02h



ETX Char. = 03h

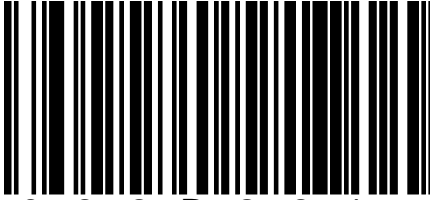


BCC = Send



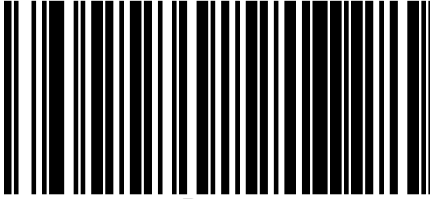
3 0 4 7 D 0 1 □

EAN 13 Check Character ena



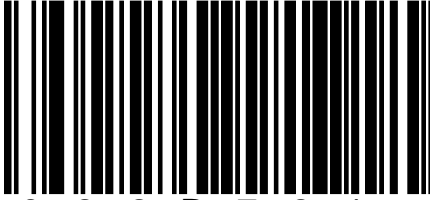
3 0 0 B 9 0 1 □

EAN 8 Check Character ena



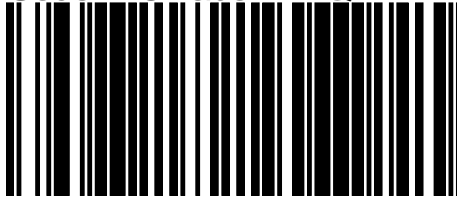
3 0 0 B 8 0 1 □

UPC A Check Character ena



3 0 0 B 7 0 1 □

Code 128 Label ID=Q



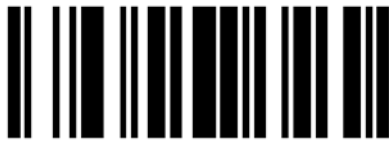
3 0 0 3 9 0 0 5 1 □



RSS-14 = ENABLE



SET RSS-14 LABEL ID



0



0



0



0



RSS-EXPANDED = ENABLE



SET RSS EXPANDED LABEL ID



0



0



0



0

Use the Set/End bar code to EXIT Programming Mode.



# Appendix D

## Store Next Programming for the Magellan 1000i

Return to defaults



1. <sup>3</sup> 0 0 0 0 0 0 □ 7 F F C 0 □ 0 0 0 0 0 □

Start



2. <sup>3</sup> 0 0 0 0 0 0 □

Interface RS232



3. <sup>3</sup> 0 0 0 1 0 5 □

Parity Even



4. <sup>3</sup> 0 0 1 F 0 1 □

Enable Flow control



5. <sup>3</sup> 0 2 0 F 0 1 □

UPC-E Check Disable



6. <sup>3</sup> 0 0 4 0 0 0 □



Enable RSS-14



Set RSS-14 Label ID



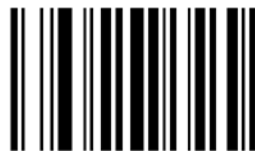
0



0



0



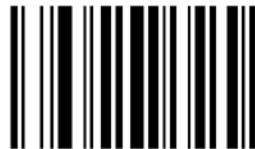
0



Enable RSS Expanded



Set RSS Expanded Label ID Character(s)



0



0



0



0



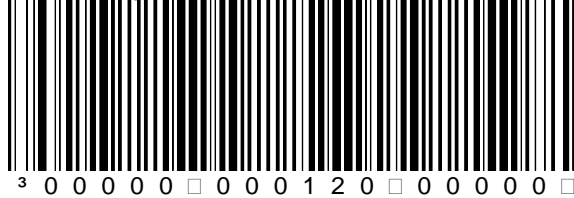
START / END

# Appendix E

## Programming Labels for the Magellan 8300 and 8400 Scanner/Scale

Note: Single cable RS-232 interface programming only for the ISS45 POS application

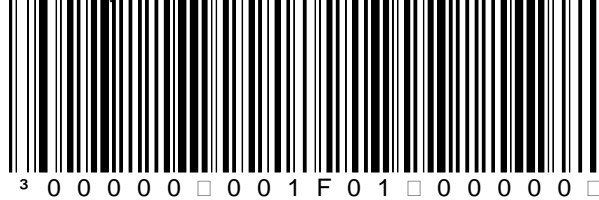
Set RS232 Single Cable Interface



Factory Defaults



RS232 Parity = EVEN



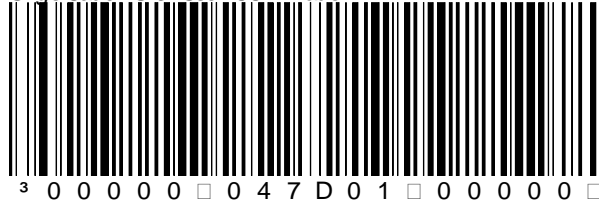
STX Char = 02



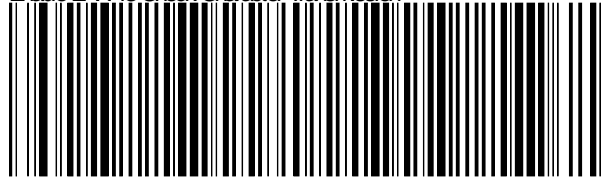
ETX Char = 03



Single Cable RS232 Use ECC = Enable

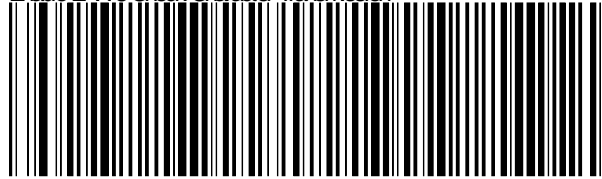


Enable EAN-13 Check Character Transmission



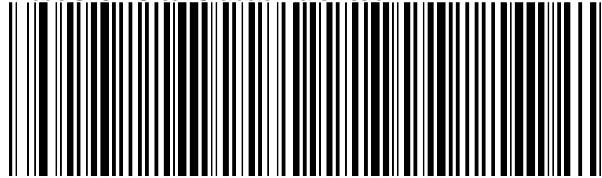
<sup>3</sup> 0 0 0 0 0 □ 0 0 B 9 0 1 □ 0 0 0 0 0 □

Enable EAN-8 Check Character Transmission



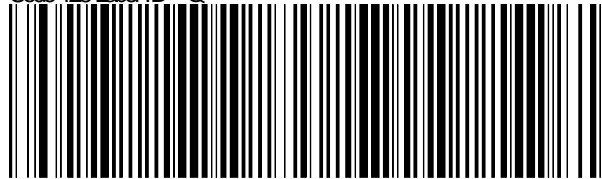
<sup>3</sup> 0 0 0 0 0 □ 0 0 B 8 0 1 □ 0 0 0 0 0 □

Enable UPC-A Check Character Transmission



<sup>3</sup> 0 0 0 0 0 □ 0 0 B 7 0 1 □ 0 0 0 0 0 □

Code 128 Label ID=Q

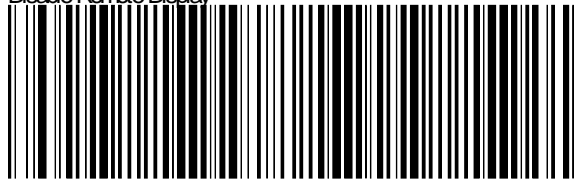


<sup>3</sup> 0 0 0 0 0 □ 0 0 3 9 5 1 0 0 □ 0 0 0 0 0 □

The above labels are the ones necessary to program the DataLogic 8300/8400 to work with  
ISS45

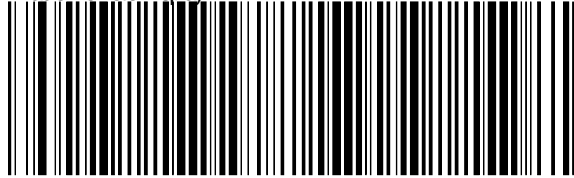
The following extra labels are included just in case more programming is required by the  
dealer

Disable Remote Display



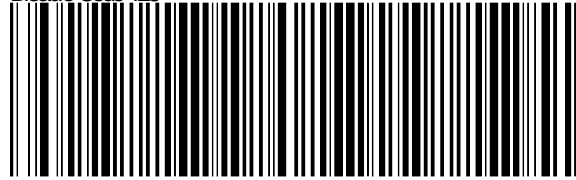
<sup>3</sup> 0 0 0 0 0 □ 0 4 0 3 0 0 □ 0 0 0 0 0 □

Enable Remote Display



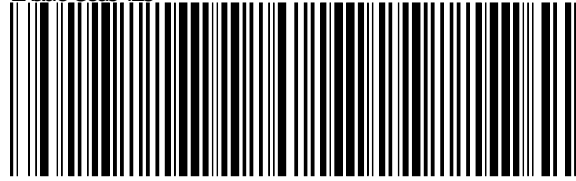
<sup>3</sup> 0 0 0 0 0 □ 0 4 0 3 0 1 □ 0 0 0 0 0 □

Disable Code 128



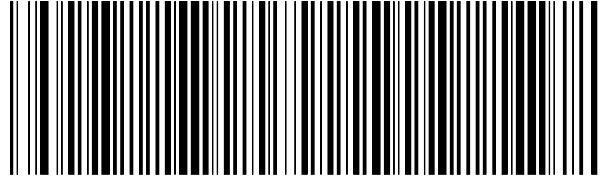
3 0 0 0 0 0 □ 0 0 9 2 0 0 □ 0 0 0 0 0 □

Enable Code 128



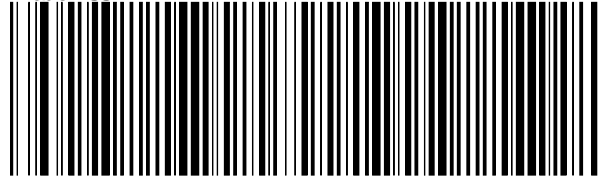
3 0 0 0 0 0 □ 0 0 9 2 0 1 □ 0 0 0 0 0 □

Disable RSS-14



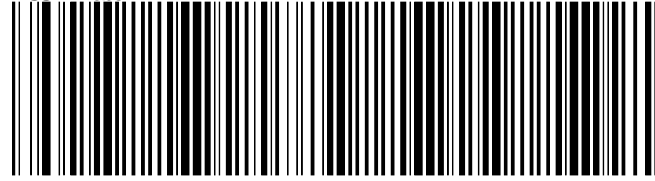
3 0 0 0 0 0 □ 0 4 D 0 0 0 □ 0 0 0 0 0 □

Enable RSS-14



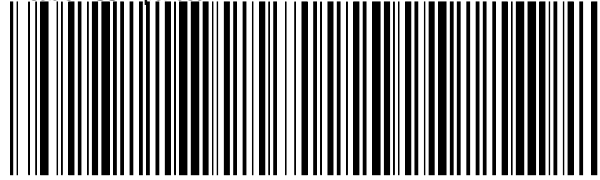
3 0 0 0 0 0 □ 0 4 D 0 0 1 □ 0 0 0 0 0 □

RSS-14 Label ID=BLANK



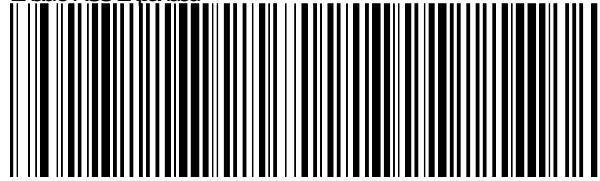
3 0 0 0 0 0 □ 0 4 D A 0 0 0 0 □ 0 0 0 0 0 □

Disable RSS-Expanded



3 0 0 0 0 0 □ 0 4 D 1 0 0 □ 0 0 0 0 0 □

Enable RSS-Expanded



3 0 0 0 0 0 □ 0 4 D 1 0 1 □ 0 0 0 0 0 □

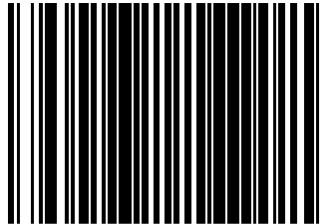
# Appendix F

## Programming Labels for the Magellan 8500XT Scanner/Scale

### RS232 SINGLE CABLE SETUP

- The Datalogic Magellan 8500Xt scanner scale with RS232 cable was setup by scanning the following labels.
- The RS232 Single cable interface type does NOT use OPOS on ISS45. The single cable scanner scale is set up like any normal ISS45 single cable scanner scale emulating the NCR7870 in the POST configuration screen.
- When the scanner is programmed with the below labels, the scanner is setup as 9600 baud, 7 data bits, Even parity, 1 stop bit and Hardware flow control

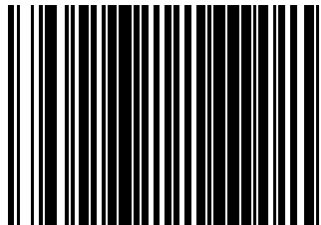
**NOTE: Databar Expanded coupons are currently supported in V8.1.4.0-050 and above only.**



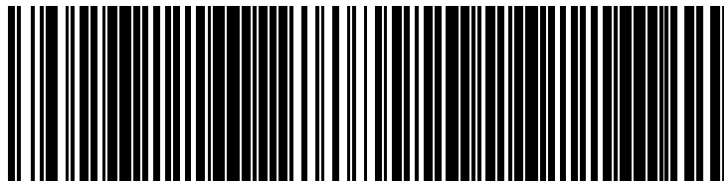
SWITCH LABEL



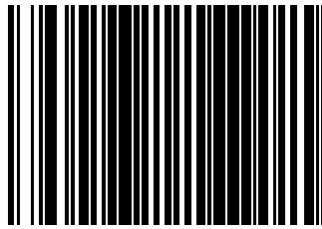
INTERFACE TYPE = RS-232 SINGLE CABLE



SWITCH LABEL



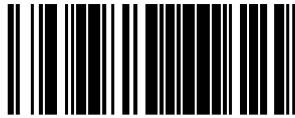
RETURN TO FACTORY SETTINGS



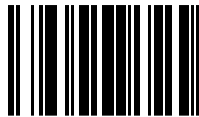
SWITCH LABEL



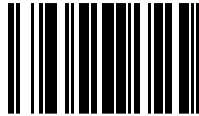
RS-232 PARITY = EVEN



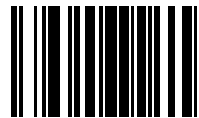
SET SINGLE CABLE RS-232 STX CHARACTER



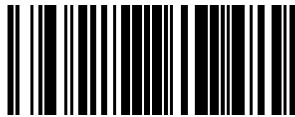
0



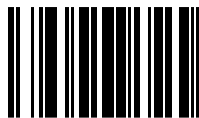
0



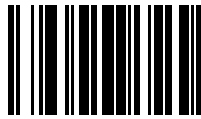
2



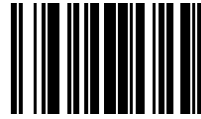
SET SINGLE CABLE RS-232 ETX CHARACTER



0



0



3



SINGLE CABLE RS-232 USE BCC = ENABLE



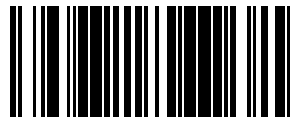
UPC-A CHECK CHARACTER TRANSMISSION = ENABLE



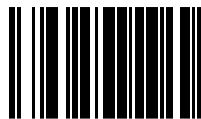
EAN-13 CHECK CHARACTER TRANSMISSION = ENABLE



EAN-8 CHECK CHARACTER TRANSMISSION = ENABLE



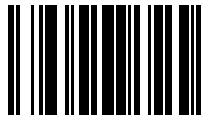
SET CODE 128 LABEL ID



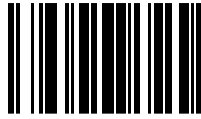
5



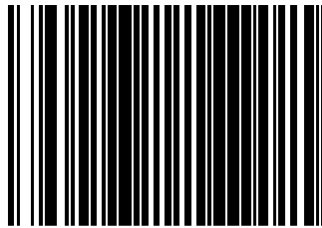
1



0



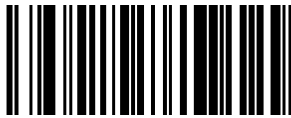
0



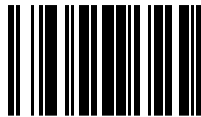
SWITCH LABEL



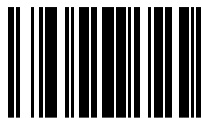
DATABAR OMNIDIRECTIONAL = ENABLE  
(Old Name RSS-14)



SET DATABAR OMNIDIRECTIONAL LABEL ID



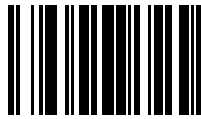
0



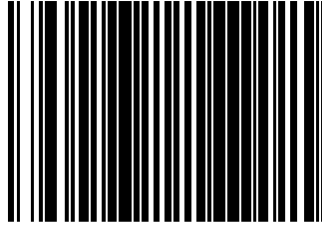
0



0



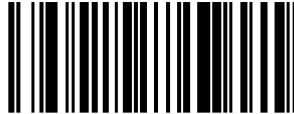
0



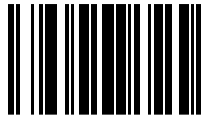
SWITCH LABEL



DATABAR EXPANDED = ENABLE  
(Old Name RSS Expanded)



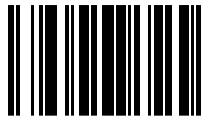
SET DATABAR EXPANDED LABEL ID



0



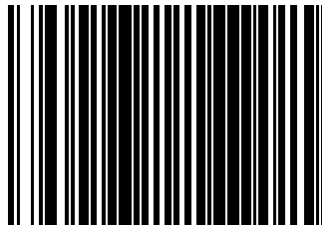
0



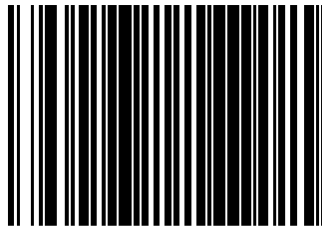
0



0

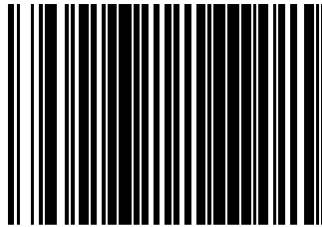


SWITCH LABEL



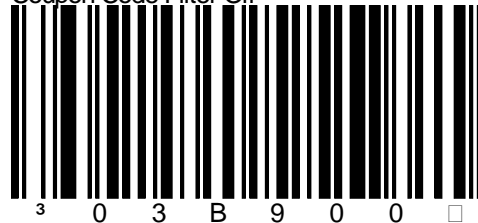
SWITCH LABEL

1. Scan the following labels only if you need DataBar Coupon support.

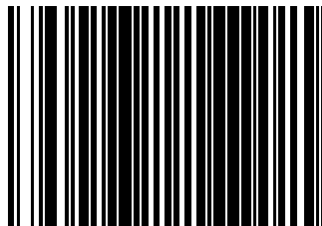


SWITCH LABEL

Coupon Code Filter Off

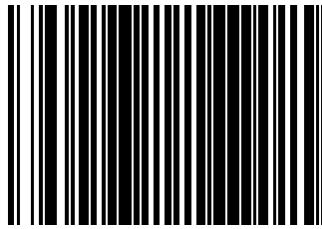


**All coupons enabled including Databar**



SWITCH LABEL

2. Scan the following labels to enable or disable the remote weight display.



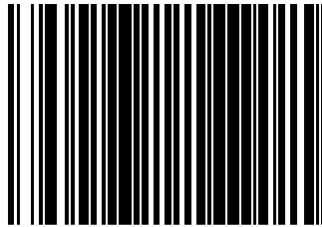
SWITCH LABEL



REMOTE DISPLAY = DISABLE



REMOTE DISPLAY = ENABLE



SWITCH LABEL

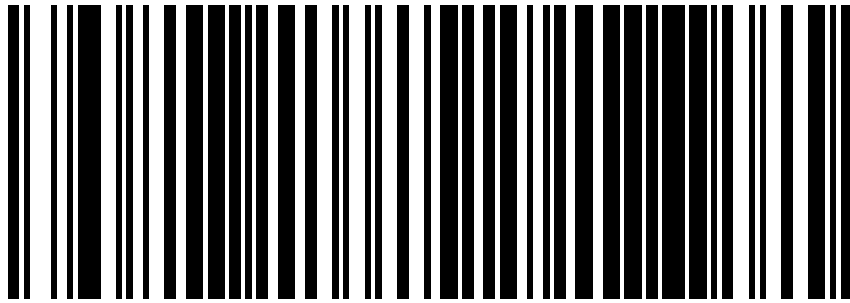
# Appendix G

## Programming Labels for the Magellan QD2130 Scanner

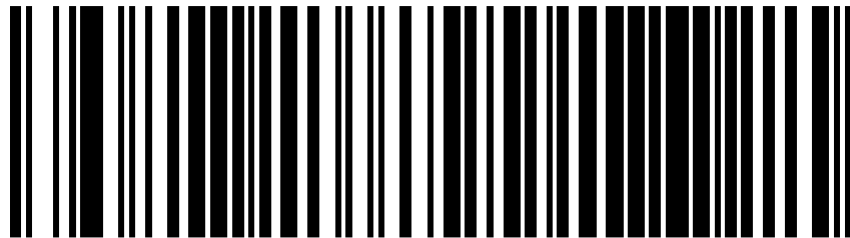
### RS232 STANDARD SETUP

- The DataLogic QD2130 scanner with RS232 cable was setup by scanning the following labels.
- The RS232 Standard mode does NOT use OPOS on ISS45. The hand scanner is set up like any normal ISS45 hand scanner in the POST configuration screen.
- When the scanner is programmed with the below labels, the scanner is setup as 9600 baud, 7 data bits, Even parity, 1 stop bit and Hardware flow control

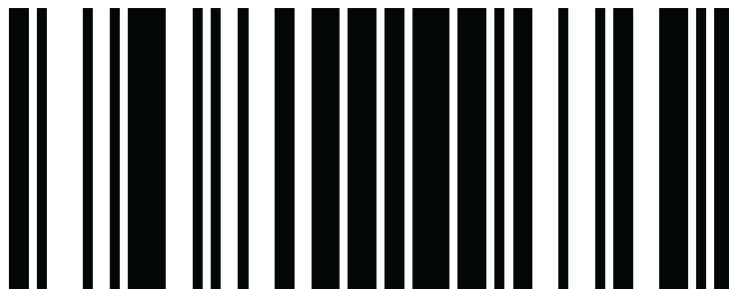
**NOTE: Databar Expanded coupons are currently supported in V8.1.4.0-050 only.**



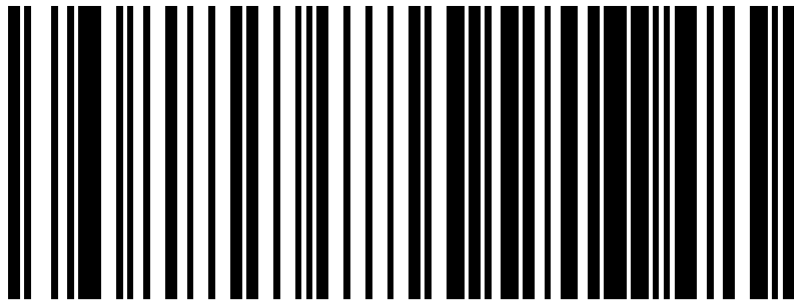
Select RS232-STD



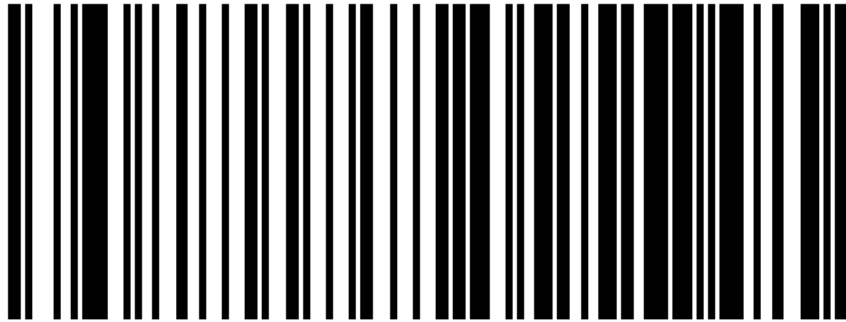
Standard Product Default Settings



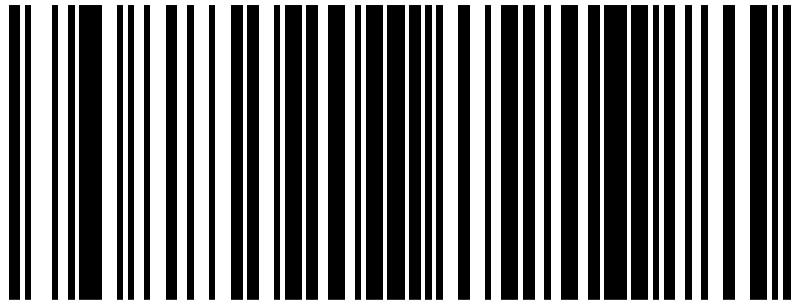
ENTER/EXIT PROGRAMMING MODE



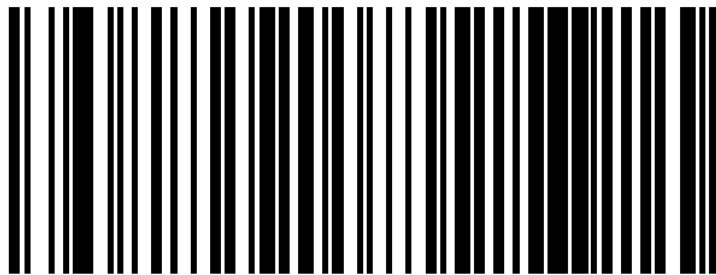
Label ID Transmission = Enable as Prefix



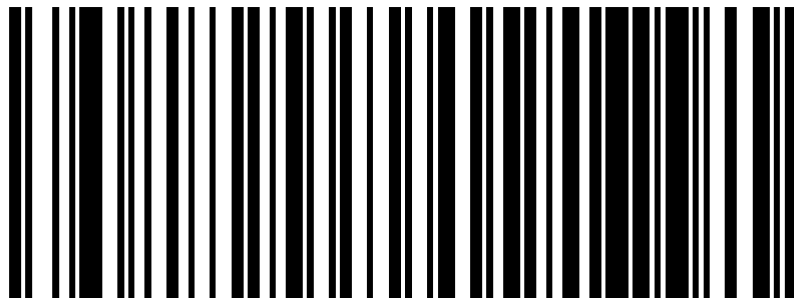
UPC-E Check Character Transmission = Don't Send



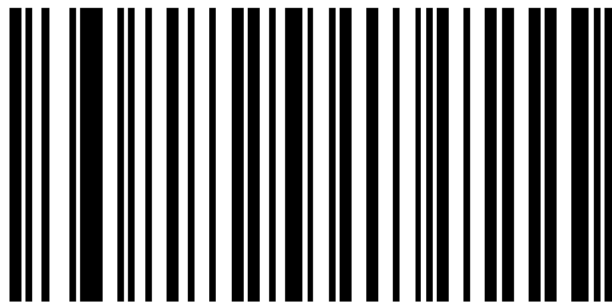
Parity = Even



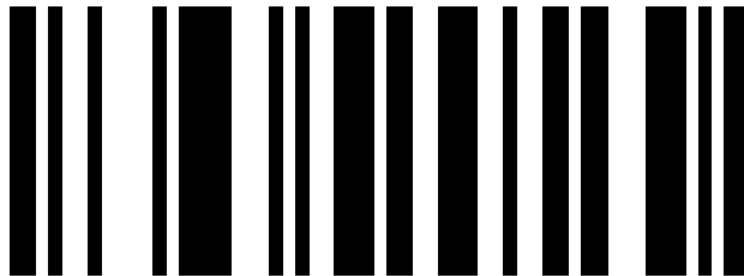
Handshaking Control = RTS/CTS Scan Control



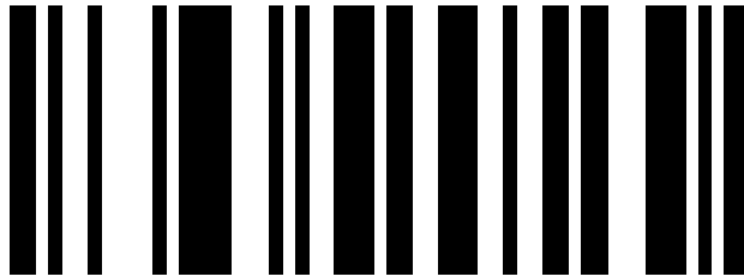
GS1 DataBar Omnidirectional = Enable



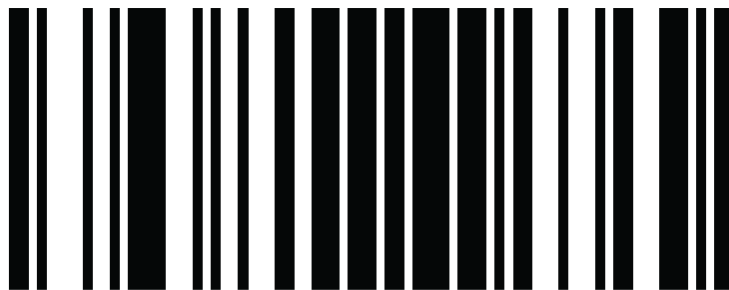
Set GS1 DataBar Omnidirectional Label ID Character(s)



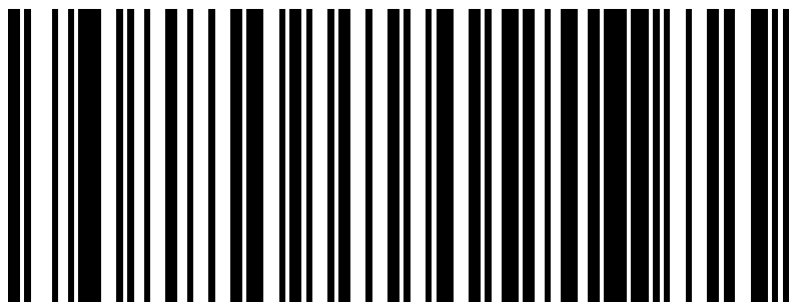
0



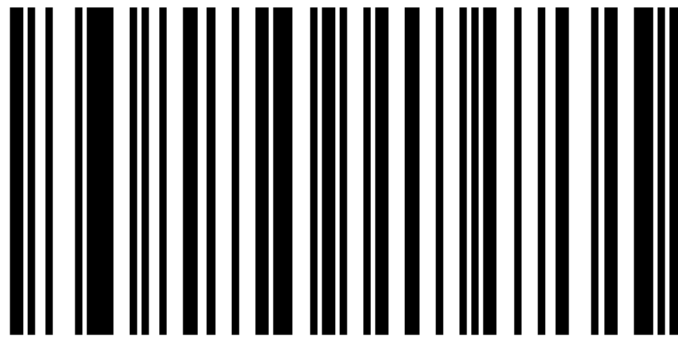
0



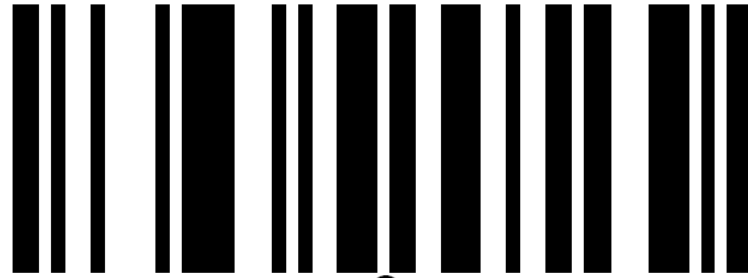
ENTER/EXIT PROGRAMMING MODE



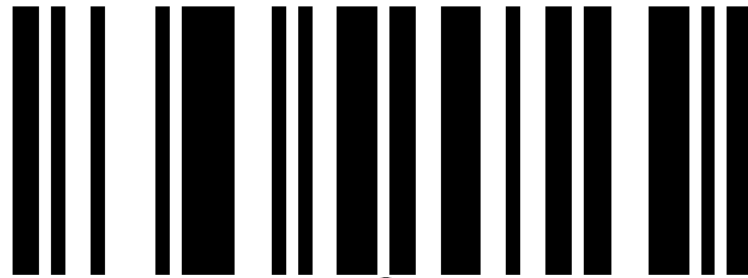
GS1 DataBar Expanded = Enable



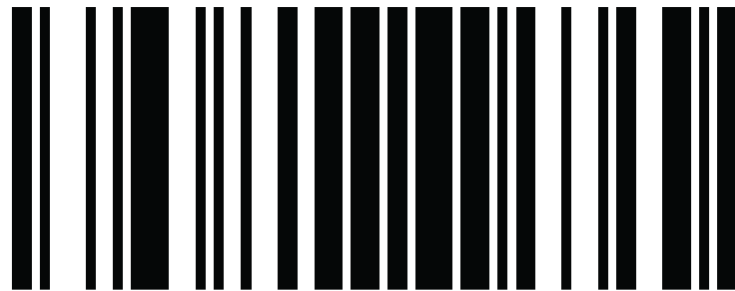
Set GS1 DataBar Expanded Label ID Character(s)



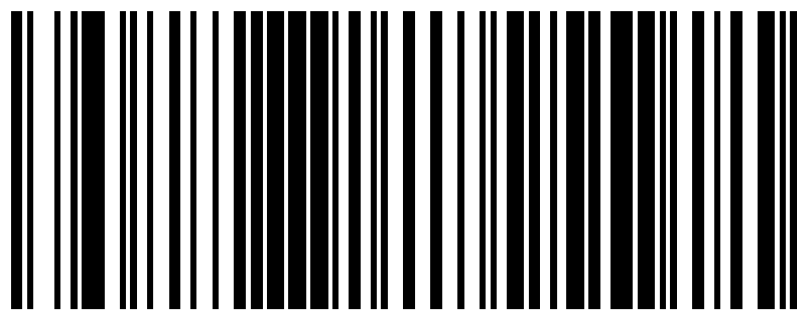
0



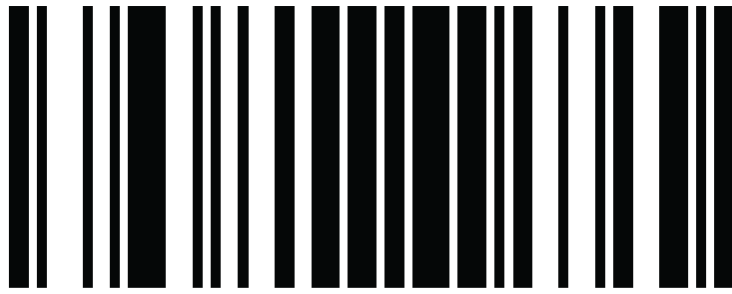
0



ENTER/EXIT PROGRAMMING MODE



GS1-128 AIM ID = Disable



ENTER/EXIT PROGRAMMING MODE

Coupon All Enable



<sup>3</sup> \$ P , C C P C L 0 0 , P □

**All coupons enabled including Databar**

# Appendix H

## Programming Labels for the Gryphon GBT4100 Scanner

### RS232-Standard Setup

- The DataLogic Gryphon I GBT4100 scanner with RS232 cable was setup by scanning the following labels. Allow scanner to reset after scanning enter/exit tags and product default tags before continuing.

1. Refer to the Gryphon I GBT4100 Quick Reference Guide (R44-3133 Rev A) 7/10 and follow setup.
2. You will configure the Base Station
3. Connect the base station
4. Charge the batteries
5. Link to the Base Station

#### **Linking the Reader to a Base Station**

##### **RF Devices**

For RF devices, before configuring the interface it is necessary to link the handheld with the base.

To link the handheld and the base, press the trigger to wake it and place it on the base. If the reader was previously linked to another base, you must first scan the Unlink action command before re-linking to the new base.



6. **Configuring the Interface**



7. Scan the Standard Product default setting label



9. Set Parity and Disable check digit for UPC E:





Parity = Even



UPC-E Check Character Transmission = Don't Send

ENTER/EXIT PROGRAMMING



3 \$ P

10. To Enable Databar scan the following:

ENTER/EXIT PROGRAMMING



3 \$ P

DATABAR OWN ENABLE



3 \$ C 4 B E N 0 1

DATABAR EXPANDED ENABLE



3 \$ C X B E N 0 1

DATABAR LIMITED ENABLE



3 \$ C L B E N 0 1

ENTER/EXIT PROGRAMMING



3 \$ P

To ENABLE ALL COUPON TYPES scan:

ENABLE ALL COUPON TYPES



3 \$ P , C C P C L 0 0 , P

# Appendix I

## Programming Labels for the Gryphon GD4400 & GBT4400 Scanner

### RS232-Standard Setup

- Refer to the Quick Reference Guide for the appropriate model you are installing. Both Scanners use the same programming tags. Scan the following labels for RS232 setup

1. Configuring the Interface



Select RS232-STD

2. Scan the Reset Default tag to assure defaults are set for interface



Reset Default Settings

3. Enter Programming Mode



Enter/Exit Programming Mode

4. Set Parity



Parity = Even

5. To Enable Databar scan the following:



GS1 DataBar™ Omnidirectional = Enable



GS1 DataBar™ Expanded = Enable



GS1 DataBar™ Limited = Enable

6. To ENABLE ALL COUPON TYPES scan:



Coupon Control = Allow all coupon bar codes to be decoded

7. Disable UPC-E check digit:



UPC-E Check Character Transmission = Don't Send

7. Scan to EXIT programming mode



Enter/Exit Programming Mode

Your Scanner will now work with ISS45

# Appendix J

## Programming Labels for the Magellan 1100i 2D Scanner

Scan the following labels:

1. Configuring the Interface:

**Enter/Exit**



**RS-232 Standard**



**Enter/Exit**



2. Scan the Reset Default tag to assure defaults are set for interface



Standard Product Default Settings

3. Enter Programming Mode

**Enter/Exit**



**Parity=Even**



**CTS Scan Control=Enable**



Label ID = Disable



Don't send check digit- UPC E



4. To Enable Databar scan the following:

Databar OmniDirectional = Enable



Databar Expanded = Enable



Databar Limited = Enable



5. To ENABLE ALL COUPON TYPES scan:



6. Scan to EXIT programming mode

Enter/Exit



Your Scanner will now work with ISS45.

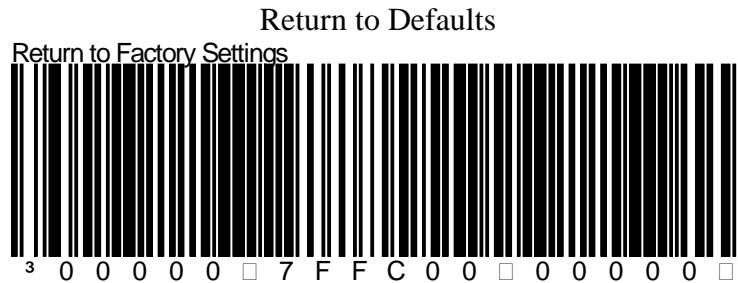
# Appendix K

## Programming Labels for the Datalogic 9800i Scanner/Scale

The following tags (listed in no particular order) are available and their use depends on your configuration.

Note: This interface was not tested as part of certification however it should work the same as 8500Xt does.

The following tags (listed in no particular order) are available and their use depends on your configuration. Except for the Return to Defaults, Cell Phone Mode and CSS labels you must enter/exit programming mode by scanning Switch Label at beginning and end of programming.



Interface Single Cable RS



DataBar Omni Enable



Databar Expanded Enable



Disable Coupon Filter



Remote Display Disable



Remote Display Enable



Parity Even  
STX = STX  
ETX = ETX  
USE BCC



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



Ignore IBM Host Configuration



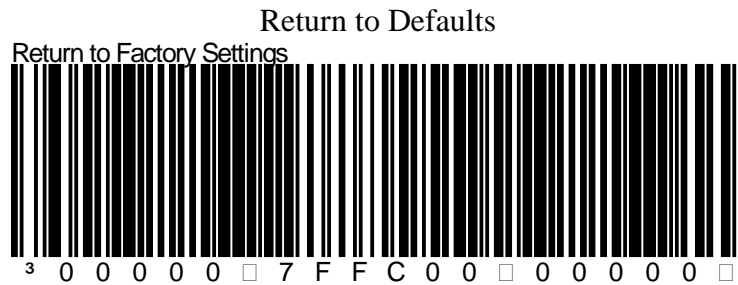
Your Scanner will now work with ISS45.

# Appendix L

## Programming Labels for the Datalogic 9400i Scanner/Scale

The following tags (listed in no particular order) are available and their use depends on your configuration. Except for the Return to Defaults, Cell Phone Mode and CSS labels you must enter/exit programming mode by scanning Switch Label at beginning and end of programming.

Note: This interface was not tested as part of certification however it should work the same as 8500Xt does.



Interface Single Cable RS



DataBar Omni Enable



Databar Expanded Enable



Disable Coupon Filter



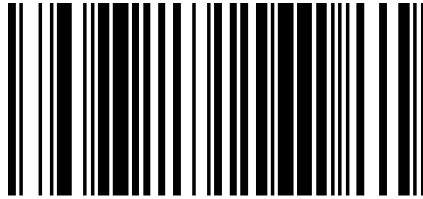
Remote Display Enable



Remote Display Disable



Expand UPC-E to UPC-A



004101

Parity Even

STX = STX

ETX = ETX

USE BCC

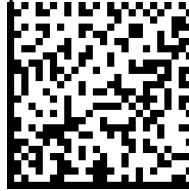


UPCA, Ean8, Ean13 check digits transmit

Code 128 Label ID = Q

Databar Omni Label ID disabled

Databar Expanded Label ID disabled

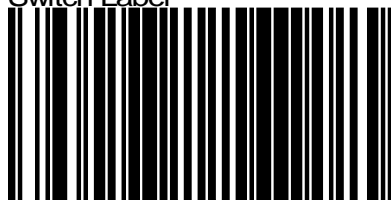


Ignore IBM Host Configuration



Switch Label

Switch Label



3 0 0 0 0 0 □

**Scan label below to enable Cell Phone Mode:**

Cell Phone mode = Always on



## Customer Service Scanner Configuration (CSS)

Scan this label on the Customer Service Scanner



Your Scanner will now work with ISS45.



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**NCR Corporation**  
2651 Satellite Blvd.  
Duluth, GA 30096

**P/N 89000868**  
**PIN 45001/104**