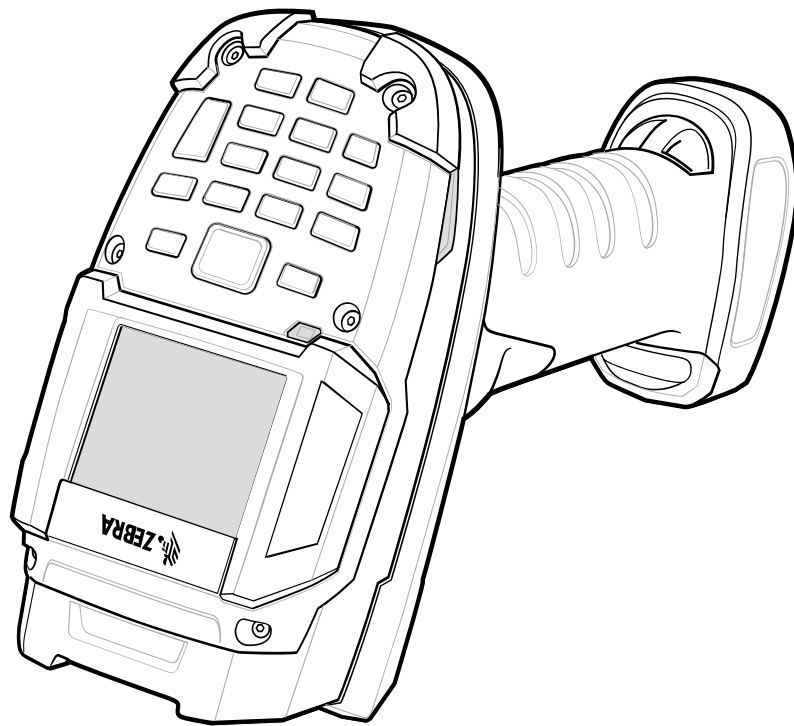


DS3678-HP

Digital Scanner with
Keypad & Display



Product Reference Guide
Supplement



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About This Document

Introduction

This document provides unique information about the Zebra DS3678-HP with Display and Keyboard product features and operating instructions. This guide is intended as a supplement only. Common procedures and parameters are addressed in the DS36X8 Product Reference Guide located on Zebra Support at: zebra.com/support.



IMPORTANT: If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at: zebra.com/support.

Configurations

This guide covers the following configuration:

Configuration	Description
DS3678-HP2F003VKWW	Rugged, Digital Scanner, High Performance, Cordless, Industrial Green, Vibration Motor, Keyboard, Display

Accessories

The digital scanner ships with the DS3678-HP Quick Start Guide. The following accessories may be ordered:

- Interface cable.
- Universal power supply, if required.

For detailed information on DS3678-HP accessories, refer to the DS36X8 Product Reference Guide. For additional information, go to Solution Builder or contact a local Zebra representative or business partner.

Chapter Descriptions

Topics covered in this guide are as follows:

- [Getting Started](#) provides information on unpacking, device features, battery installation and charging, and powering the cradles.
- [Operating the DS3678-HP with Keypad & Display](#) describes information for using and navigating the device.
- [Configuration Scanner Options](#) provides configuration scanner programming barcodes for selecting device configuration settings.
- [Maintenance & Technical Specifications](#) provides information on how to care for the digital scanner and technical specifications.
- [Troubleshooting](#) provides information on possible problems, causes, and solutions.
- [Alphanumeric Barcodes](#) includes the barcodes to scan for parameters requiring specific alphanumeric values.

Notational Conventions

The following conventions are used in this document:

- “digital scanner” or “device” refers to the Zebra DS3678-HP Digital Scanner with Keypad and Display.
- **Bold** text is used to highlight the following:
 - Dialog box, window and screen names
 - Drop-down list and list box names
 - Check box and radio button names
 - Icons on a screen
 - Key names on a keypad
 - Button names on a screen.
- Bullets (•) indicate:
 - Action items
 - Lists of alternatives
 - Lists of required steps that are not necessarily sequential.
- Sequential lists (such as those that describe step-by-step procedures) appear as numbered lists.

Icon Conventions

The documentation set is designed to give the reader more visual clues. The following graphic icons are used throughout the documentation set. These icons and their associated meanings are described below.



NOTE: The text here indicates information that is supplemental for the user to know and that is not required to complete a task.



IMPORTANT: The text here indicates information that is important for the user to know.

Related Documents and Software

The following documents provide more information about the DS3678-HP digital scanner.

- DS3678-HP Quick Reference Guide
- DS36X8 Product Reference Guide

For the latest version of this guide and all guides, go to zebra.com/support.

Service Information

If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at zebra.com/support.

When contacting support, please have the following information available:

- Serial number of the unit
- Model number or product name
- Software/firmware type or version number

Zebra responds to calls by email, telephone or fax within the time limits set forth in support agreements.

If your problem cannot be solved by Zebra Customer Support, you may need to return your equipment for servicing and will be given specific directions. Zebra is not responsible for any damages incurred during shipment if the approved shipping container is not used. Shipping the units improperly can possibly void the warranty.

If you purchased your Zebra business product from a Zebra business partner, contact that business partner for support.

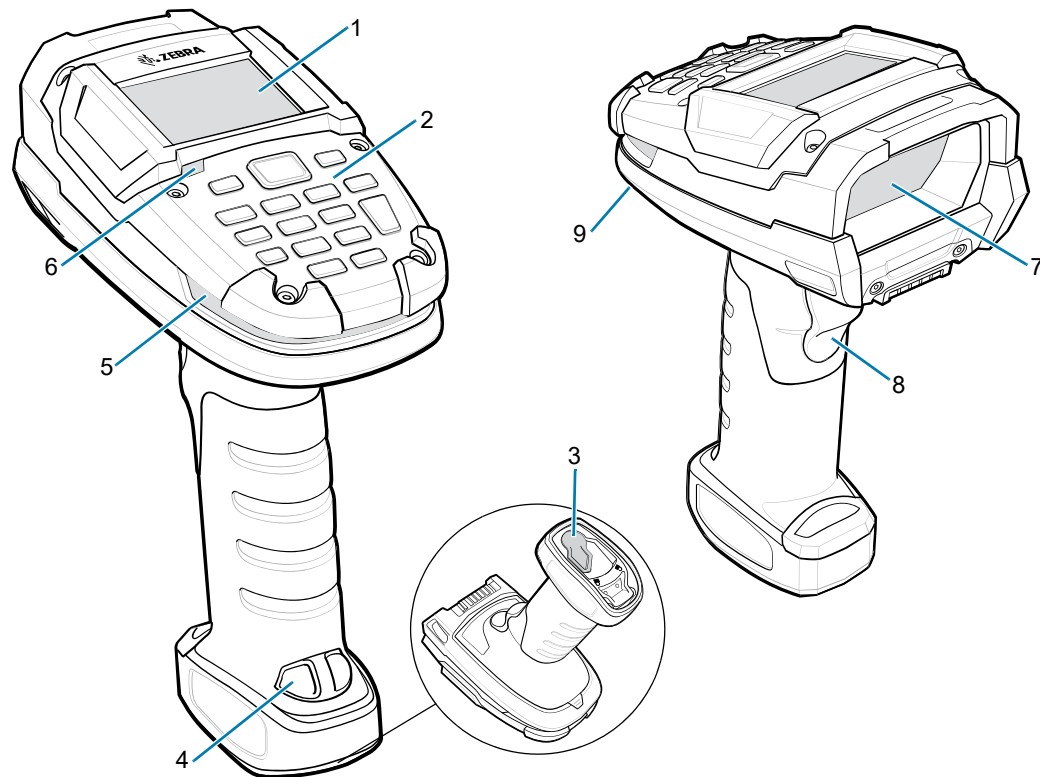
Getting Started

Unpacking

Carefully remove all protective material from around the equipment and inspect it for damage. If the equipment is damaged during transit, contact Zebra Customer Support for your region (see [Service Information on page 12](#)). KEEP THE PACKING. It is the approved shipping container and should be used if the equipment ever needs to be returned for servicing.

DS3678-HP Cordless Digital Scanner Features

Figure 1 DS3678-HP Features



1	Display
2	Keypad
3	Battery latch
4	Lanyard catch

5	System/decode LED
6	Ambient light sensor
7	Scan window
8	Trigger
9	Sound port



NOTE: For optimal display and keypad backlighting, and power consumption, the Ambient Light Sensor must remain free of debris. See [Approved Cleaners for the Scanner on page 99](#).

Cradle

The cradles serve as a charger, radio communication interface, and host communication interface for the DS3678 cordless digital scanner. There are two versions of the cradle:

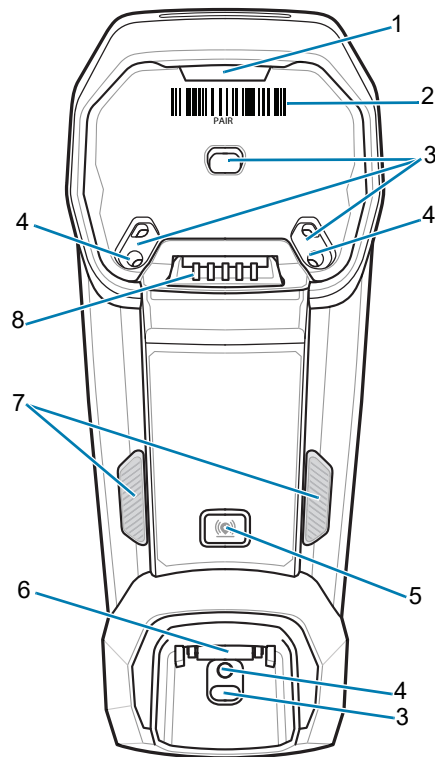
- The **STB3678** cordless cradle sits on a desktop or mounts on a wall, and charges the DS3678 cordless digital scanner. This cradle also provides host communication by receiving scanner data via a Bluetooth radio, and sending that data to the host through an attached cable. An external power supply or a powered host cable provides power to the cradle.
- The **FLB3678** cordless cradle charges the DS3678 cordless digital scanner, and provides host communication by receiving scanner data via a Bluetooth radio, and sending that data to the host through an attached cable. The cradle attaches to a mounting bracket using three isolators, and the bracket then mounts on the forklift surface. A portable power supply on the forklift or a host cable provides power to the cradle.

For more information about communication between the digital scanner, cradle, and host, refer to the Radio Communications chapter of the DS36X8 Product Reference Guide.

For more information about mounting options and procedures, refer to the documentation included with the cradle.

Cradle Features

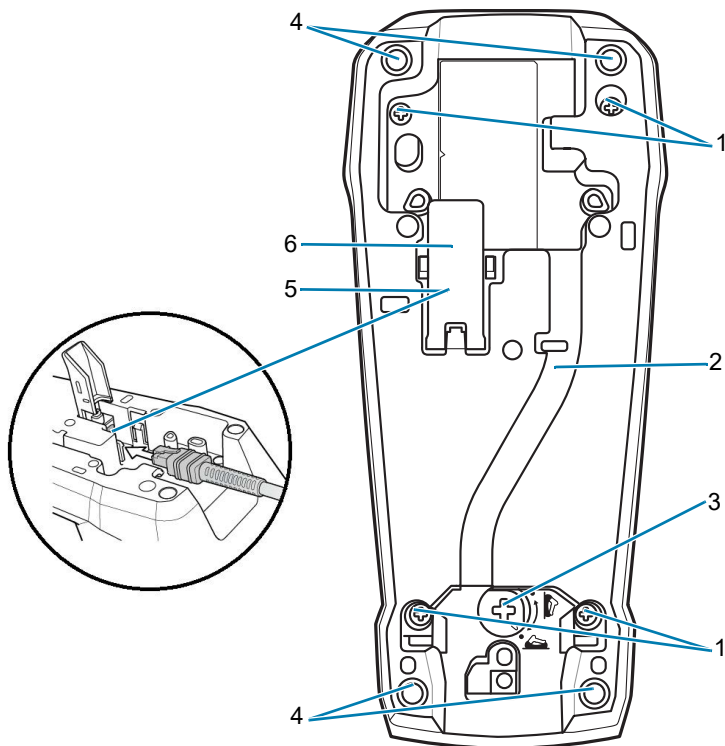
Figure 2 Cradle Top View



1	Canopy latch
2	Pairing barcode
3	Drain holes (4)
4	Mounting screw hole (3)

5	Page button
6	Foot latch
7	LEDs (2)
8	Charging/communications contacts

Figure 3 Cradle Bottom View



1	Mounting screw hole (4)
2	Host cable guide
3	Foot latch release

4	Rubber feet (4)
5	Host cable (under latch)
6	Host cable latch

Connecting the Cradle

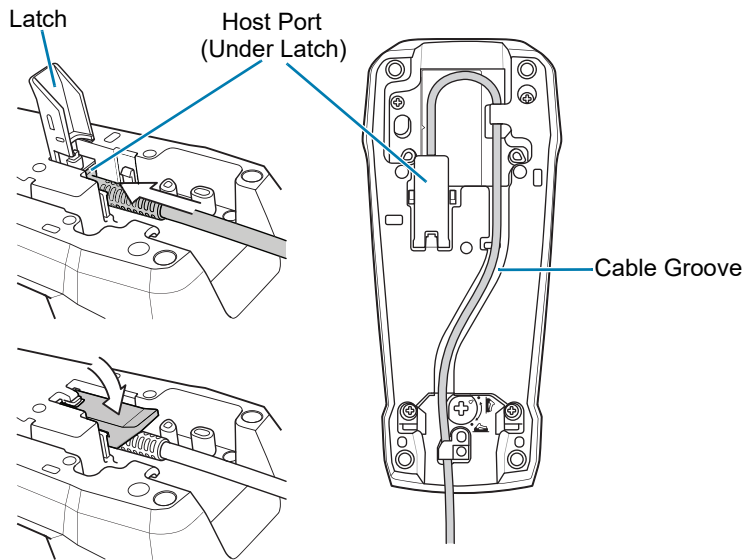
To connect the STB3678/FLB3678 cradles:

1. If necessary, connect the appropriate cable to the power supply and an AC power source.
2. Insert the interface cable into the host port.



NOTE: Different cables are required for different hosts. The connectors illustrated in each host chapter of the DS36X8 Product Reference Guide are examples only. The connectors may be different from those illustrated, but the steps to connect the digital scanner remain the same.

Figure 4 Cradle Connection



3. Lift the latch, connect the interface cable to the cradle's host port, and then close the latch.
4. If applicable, thread the interface cable over the cable support hook and run the host cable into the cable groove.
5. Pair the digital scanner to the cradle either by inserting it in the cradle (if pair on contacts is enabled), or by scanning the pairing barcode.
6. If necessary, scan the appropriate host barcode (for non-autodetected interfaces). Refer to the specific host chapter in the DS36X8 Product Reference Guide.



NOTE: Always disconnect the DC power supply BEFORE disconnecting the cable to the host end or the cradle may not recognize the new host.

Supplying Power to the Cradle

The cradle receives power from one of two sources:

- An external power supply.
- When connected to the host through an interface cable that supplies power.

The cradle detects whether the host or the external supply is supplying power. It always draws power from the external supply when available, regardless of the presence of power from a host.



NOTE: Supplying power from a USB host may take longer to charge the digital scanner.

DS3678 Battery

For information on battery statistic capabilities, refer to the DS36X8 Product Reference Guide.

Inserting the Battery

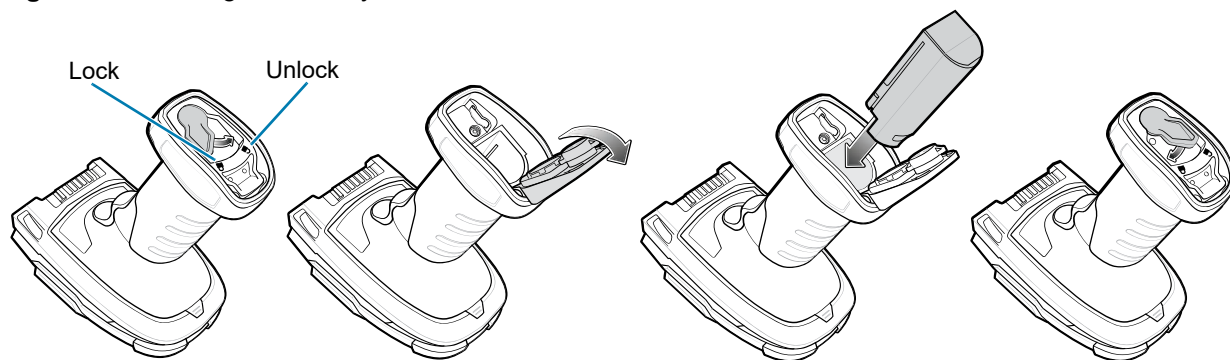


NOTE: Batteries are shipped in an Off mode and do not power the scanner. After inserting a new battery into the DS3678 digital scanner, insert the scanner into a cradle for the battery to turn On. Alternatively, the battery can be placed in the four slot spare battery charger to charge, and then inserted in the scanner for immediate use.

The battery resides in a chamber in the digital scanner handle. To insert the battery:

1. Lightly press down and slide the locking lever counterclockwise to unlock and release the battery door.
2. Open the battery door.
3. If a battery is already installed, turn the digital scanner upright to slide the battery out.
4. Slide the new battery into the chamber, with the rounded side toward the back and the contacts facing into the chamber.

Figure 5 Inserting the Battery



5. Close the battery door.
6. Lightly press down and slide the locking lever clockwise to lock the battery door.
7. If using a brand new battery, insert the scanner into a cradle to turn the battery on.

Removing the Battery

To remove the battery:

1. Lightly press down and slide the locking lever counterclockwise to unlock the battery door (see [Figure 5](#)).
2. Open the battery door.
3. Turn the digital scanner upright to slide the battery out.

Charging the Battery

When using a new battery in the DS3678, the battery requires a charge to be enabled. Insert the battery (see [Inserting the Battery on page 18](#)) in the DS3678 and place the DS3678 in the STB/FLB3678 cradle (see [Inserting the Digital Scanner in the Cradle on page 19](#)).

The battery begins charging when the cradle's LED indicator starts blinking amber. The DS3678's battery has completed a charge when the cradle's LED indicator is solid green. A complete charge of a fully discharged battery can take up to three hours using external power and up to eleven hours using USB power over the USB interface cable.

Refer to the DS36X8 Product Reference Guide for detailed Beeper and LED indicator definitions.



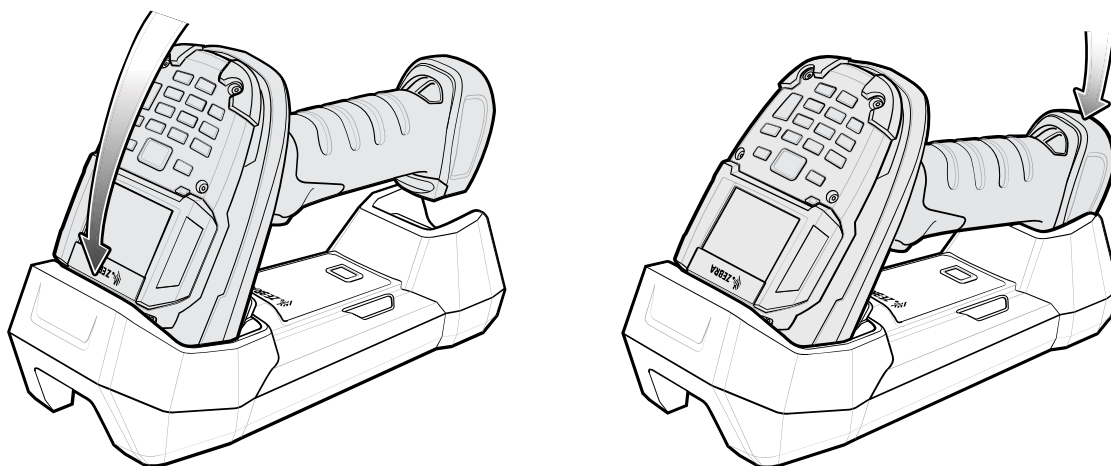
CAUTION: To avoid a battery temperature fault, always charge the battery in the digital scanner within the recommended temperature of 0°C to 40°C (32°F to 104°F) nominal, 5°C to 35°C (41°F to 95°F) ideal.

Inserting the Digital Scanner in the Cradle

To insert the digital scanner in the cradle:

1. Insert the top of the digital scanner into the cradle.
2. Push the handle down until it clicks into place, engaging the contacts in the cradle and digital scanner.

Figure 6 Inserting the Scanner in the Cradle



Sending Data to the Host

The cradle receives data from the digital scanner via a wireless radio connection and transmits it to the host computer via the host cable. The digital scanner and cradle must be paired for successful wireless communication.

Pairing

Pairing registers a scanner to the cradle allowing the scanner and cradle to exchange information. The STB3678 and FLB3678 operate in two modes: Point-to-Point and Multipoint-to-Point.

- In Point-to-Point mode, pair the digital scanner to the cradle either by inserting it in the cradle (if pair on contacts is enabled), or by scanning the pairing barcode.
- In Multipoint-to-Point mode, you can pair up to seven scanners to one cradle. To use this feature, scan the multipoint barcode in the Multipoint-to-Point Communication section of the DS36X8 Product Reference Guide.

To pair the digital scanner with the cradle, scan a pairing barcode. A high-low-high-low beep sequence followed by a low-high beep sequence indicates successful pairing and connection to the remote device. A long low, long high beep sequence indicates unsuccessful pairing.



NOTE: The pairing barcode that connects the digital scanner to a cradle is unique to each cradle. Do not scan data or parameters until pairing completes.

Lost Connection to Host

If scanned data does not transmit to the cradle's host, ensure that all cables are firmly inserted and the power supply is connected to an appropriate AC outlet, if applicable. If scanned data still does not transmit to the host, reestablish a connection with the host as follows:

1. Disconnect the power supply from the cradle.
2. Disconnect the host interface cable from the cradle.
3. Wait three seconds.
4. Reconnect the host interface cable to the cradle.
5. If the host requires, reconnect the power supply to the cradle.
6. Reestablish pairing with the cradle by scanning the pairing barcode.

Configuring the Scanner

Use the barcodes in the DS36X8 Product Reference Guide or the 123Scan2 configuration program to configure the digital scanner. Refer to the User Preferences & Miscellaneous Options and each host chapter for information about programming the digital scanner using barcode menus. Refer to the 123Scan and Software Tools chapter for information on configuring the digital scanner using this configuration program. 123Scan2 also includes a help file.

Radio Communications

The digital scanner can communicate with remote devices via Bluetooth, or by pairing with a cradle. For radio communication parameters, detailed information about operational modes, Bluetooth and pairing, refer to the Radio Communications chapter of the DS36X8 Product Reference Guide.

Operating the DS3678-HP with Keypad & Display

Keypad

The keypad contains alphanumeric characters, navigational arrows, shift function keys, enter, home, and backspace keys. The keypad is color-coded (blue and green) to indicate the alternate shift function keys.



NOTE: An application can change the keypad functions so the device's keypad may not function exactly as described. For detailed informations see, [Keypad Functionality on page 22](#).

Figure 7 DS3678-HP Keypad



Keypad Functionality



NOTE: The display is a non-touch screen. Navigation and control is performed using the keypad.

The alphanumeric keypads produce the 26-character alphabet (A-Z), numbers (0-9), function keys and assorted characters. As shown in [Figure 7](#), the keypad's default characters/functions are white, the alpha character/functions are green and the function character/functions are blue.



NOTE: The **Scan/Ent. Location** and **Scan/Ent. Barcode** fields have a maximum number of 11 characters before truncation. If a location name or barcode is longer than 11 characters, it is preceded with (...).

Table 1 Keypad Functionality

Key	Description	Press Blue Key	Press Green Key
Green Shift Function Key	Press this key once to enable letters and space.	N/A	N/A
Blue Shift Function Key	Press this key once to enable the F1 - F9 Function keys, ESC, and to increase/decrease backlight brightness.	N/A	N/A
4-way Navigation Key Up, Down, Left, Right	Defaults to Scroll key allowing up, down, left, and right navigation.	N/A	N/A
Backspace, Escape	Defaults to Backspace; ESC when the Blue function key is enabled. Depending on the screen, press ESC to: <ul style="list-style-type: none"> return to the previous level in the display. close the menu and returns to the previous screen. clear a highlighted field. 	ESC	N/A
Enter	Press ENT (Enter) to launch an application or select a current/highlighted item. Depending on the screen, press Enter to: <ul style="list-style-type: none"> close a display and return to the previous screen lock in an entered quantity and highlight an item field store data from an item field edit a highlighted item. 		
1, F1	Defaults to the number 1; F1 when the Blue function key is enabled.	F1	N/A

Table 1 Keypad Functionality (Continued)

Key	Description	Press Blue Key	Press Green Key
2, F2, a, b, c, A, B, C	<p>Defaults to the number 2; F2 when the Blue function key is enabled; a, b, c, A, B, C when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = a 2 key presses = b 3 key presses = c 4 key presses = A 5 key presses = B 6 key presses = C</p>	F2	a, b, c, A, B, C
3, F3, d, e, f, D, E, F	<p>Defaults to the number 3; F3 when the Blue function key is enabled; d, e, f, D, E, F when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = d 2 key presses = e 3 key presses = f 4 key presses = D 5 key presses = E 6 key presses = F</p>	F3	d, e, f, D, E, F
4, F4, g, h, i, G, H, I	<p>Defaults to the number 4; F4 when the Blue function key is enabled; g, h, i, G, H, I when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = g 2 key presses = h 3 key presses = i 4 key presses = G 5 key presses = H 6 key presses = I</p>	F4	g, h, i, G, H, I


Table 1 Keypad Functionality (Continued)

Key	Description	Press Blue Key	Press Green Key
5, F5, j, k, l, J, K, L	<p>Defaults to the number 5; F5 when the Blue function key is enabled; j, k, l, J, K, L when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = j 2 key presses = k 3 key presses = l 4 key presses = J 5 key presses = K 6 key presses = L</p>	F5	j, k, l, J, K, L
6, F6, m, n, o, M, N, O	<p>Defaults to the number 6; F6 when the Blue function key is enabled; m, n, o, M, N, O when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = m 2 key presses = n 3 key presses = o 4 key presses = M 5 key presses = N 6 key presses = O</p>	F6	m, n, o, M, N, O
7, F7, p, q, r, s, P, Q, R, S	<p>Defaults to the number 7; F7 when the Blue function key is enabled; p, q, r, s, P, Q, R, S when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = p 2 key presses = q 3 key presses = r 4 key presses = s 5 key presses = P 6 key presses = Q 7 key presses = R 8 key presses = S</p>	F7	p, q, r, s, P, Q, R, S

Table 1 Keypad Functionality (Continued)

Key	Description	Press Blue Key	Press Green Key
8, F8, t, u, v, T, U, V	<p>Defaults to the number 8; F8 when the Blue function key is enabled; t, u, v, T, U, V when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = t</p> <p>2 key presses = u</p> <p>3 key presses = v</p> <p>4 key presses = T</p> <p>5 key presses = U</p> <p>6 key presses = V</p>	F8	t, u, v, T, U, V

Table 1 Keypad Functionality (Continued)

Key	Description	Press Blue Key	Press Green Key
9, F9, w, x, y, z, W, X, Y, Z	<p>Defaults to the number 9; F9 when the Blue function key is enabled; w, x, y, z, W, X, Y, Z when the Green function key is enabled.</p> <p>In alpha mode (enable Green function key), the number of key presses determines the letter and case.</p> <p>1 key press = w 2 key presses = x 3 key presses = y 4 key presses = z 5 key presses = W 6 key presses = X 7 key presses = Y 8 key presses = Z</p>	F9	w, x, y, z, W, X, Y, Z
0, Decrease Brightness, Space	<p>Defaults to the number 0; Decreases the back light brightness when the Blue function key is enabled; space when the Green function key is enabled.</p> <p>The space () can be used to:</p> <ul style="list-style-type: none"> • add a space • select/clear check boxes • select an item. <p> NOTE: When * Enable Auto Display Brightness on page 70 is enabled, brightness changes made using the Blue function key may be subtle and less noticeable.</p>	Decrease Brightness	Space
Home, Increase Brightness, Special Characters	<p>Defaults to the Home screen; increases the back light brightness when the Blue function key is enabled; special characters when the Green function key is enabled as follows:</p> <ul style="list-style-type: none"> • One key press - (.) period • Two key presses - (,) comma • Three key presses - (*) asterisk • Four key presses - (-) dash • Five key presses - (/) forward slash 	Increase Brightness	Special Characters

Entering Information Using the Shift Function Keys

To enter information using the Green and Blue shift function keys, press this key once to enable the Shift function key. Press the key again to disable and return to default key use.

When enabled, a Green or Blue icon displays (see [Figure 8](#)) on the screen. When no Green or Blue icon displays, the functionality is disabled.

Figure 8 Shift Function Key Icons









Screen Icons

[Table 2](#) describes the icons that display on the screen.

Table 2 Screen Icons

Icon	Description
Battery	
	Critical low battery (~ 0 - 15%); 4 short high beeps
	Medium-low battery (~ 16% - 40%)
	Medium battery (~ 41% - 65%)
	Medium-high battery (~ 66% - 85%)
	Full battery (~ 86% - 100%)

Table 2 Screen Icons (Continued)

Icon	Description
Connections	
	Bluetooth is inactive
	Bluetooth is active
Keypad Functionality	
	Blue shift function key
	Green shift function key
	Home screen
	Batch mode (in Scan Inventory app only)

Home Screen Options

Home Screen

When the device powers on, the first screen to display is the **Home** (Main Menu) screen as shown in [Figure 9](#). This screen also launches when you press the **Home** key (see [Table 1](#)).

The **Home** key displays the **Home** screen (Main Menu) by default and is programmable. To select a different screen to display when the **Home** key is pressed, see [Home Key Launch on page 72](#).

[Figure 9](#) lists the options available on the Home screen. Use the **Up** or **Down** navigation keys to highlight an option in the list and press **ENT** to launch the screen. Alternatively, select a number on the physical keypad associated with a menu item and press **ENT**. For example, to select **Scan Inventory**, press the **3** on the Home screen, and then press **ENT**.

Figure 9 Home Screen

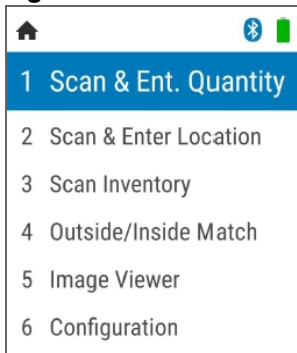


Table 3 Home Screen Options

Number	Option	Description
1	Scan & Enter Quantity	In this application, the user can enter a quantity, scan, display, and transmit barcode data (see Scan & Enter Quantity on page 30).
2	Scan & Enter Location	In this application, the user can enter a quantity, location, barcode information to transmit the data a specified quantity of times, and the location information (see Scan & Enter Location on page 32).
3	Scan Inventory	In this application, the user can enter inventory information and send it to a host device (see Scan Inventory on page 34).
4	Outside/Inside Match	In this application, the user scans the barcode on the outside of a container, and then matches it against the barcodes on the items inside of the container (see Outside/Inside Match on page 38).
5	Image Viewer	In this application, the user can preview and capture images (see Image Viewer on page 41).
6	Configuration	In this application, the user has access to global and local app settings (see Configuration on page 43).



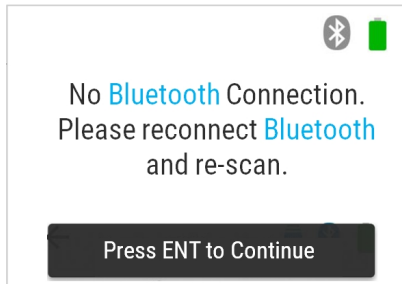
NOTE: To manually enter information, the feature must be enabled. If you are unable to enter information manually, see [Configuration on page 43](#) or [Global Configuration Parameters on page 52](#) to enable the desired feature.

Scan & Enter Quantity

The **Scan & Enter Quantity** app allows the user to transmit barcode data to the host PC and enter a quantity.



NOTE: If Bluetooth is not connected and the scanner is not in batch mode, the following message displays:

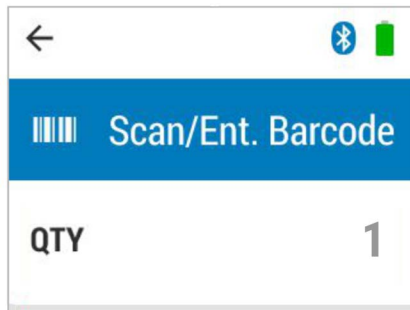


Press **ENT** to exit the screen, reconnect to Bluetooth, and scan again.

To scan an item and enter a quantity:

1. Start at the **Home** screen (see [Figure 9 on page 29](#)), scroll to **Scan & Enter Quantity** and press **ENT**. Alternatively, press the number **1** for this Home screen menu option and press **ENT**.

Figure 10 Scan & Enter Quantity Ready State Screen



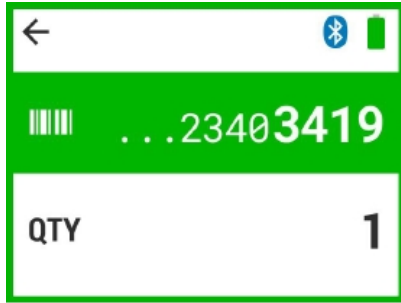
2. Enter the barcode one of the following ways:
 - Scan a barcode. The data displays in the barcode field and the barcode data transmits to the host PC.
 - Enter a SKU or barcode data manually using the keypad and press **ENT** to transmit the data to the host PC.

The display color flashes green during decode.



NOTE: When the user scans a barcode from the Home screen, the Scan & Enter Qty app automatically launches and the barcode displays on the screen.

Figure 11 Scan & Enter Quantity Screen During Decode



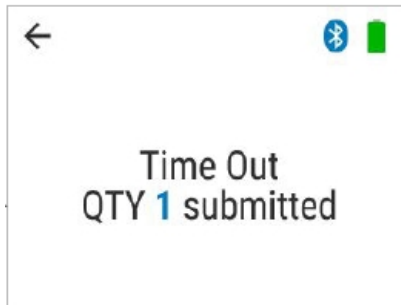
3. The quantity defaults to a value of 1. To enter a quantity (QTY), do one of the following:

- If you only have 1 item, press **ENT** to go to the next screen immediately.

If you do not press **ENT**, a Quantity Timer (see [Quantity Timer](#)) begins and runs for a configurable amount of time. The default is Six seconds. After the timer runs out, the App Ready screen displays.

If you do not scan another item before the Quantity Timer times out, a message (see [Figure 12](#)) indicating the QTY was not entered in time and the default QTY of 1 was received displays for a few seconds before redirecting to the App Ready screen.

Figure 12 Transaction Timer Time Out Screen



- If you have more than 1 item, use the numeric keys to manually enter a quantity (1 to 9999) in the **QTY** field (see [Figure 10 on page 30](#)). Press **ENT** to go to the next screen immediately. If you do not press **ENT**, a Quantity Timer (see [Quantity Timer](#)) begins and runs for the configurable amount of time. After the timer runs out, the App Ready screen displays.

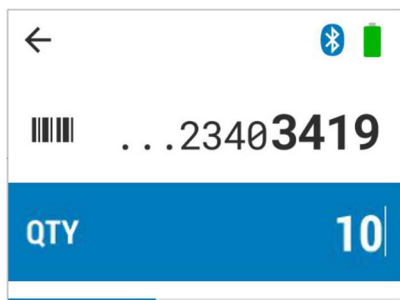
For example, if a quantity of **10** is entered, and **ENT** is pressed, then 10 barcodes are transmitted and a confirmation screen displays to indicate the QTY transmitted. For larger quantities, a progress bar screen displays and indicates the progress of the data transmission.

- When the Quantity Transfer Mode is set to BC<Delimiter>QTY, the scan data is not transmitted until Ent is pressed from the Qty field. In this mode, the barcode data is sent in the format BC<Qty Delimiter>QTY.

Quantity Timer

When data is entered into the Barcode or Quantity field, the quantity timer starts. The quantity timer has a visual indicator that displays on the bottom of the screen and looks like a progress bar. When the quantity timer expires, the data is submitted to the POS and the app returns to a ready state.

Figure 13 Quantity Timer

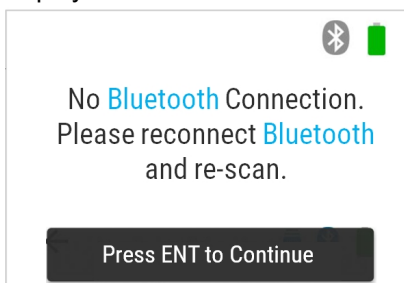


Scan & Enter Location

The **Scan & Enter Location** app allows the user to enter the quantity, location, and barcode information to transmit the data a specified quantity of times.



NOTE: If Bluetooth is not connected and the scanner is not in batch mode, the following message displays:

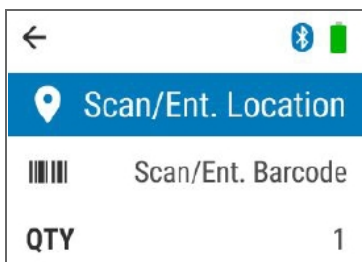


Press **ENT** to exit the screen, reconnect to Bluetooth, and scan again.

To scan and enter location:

1. Start at the **Home** screen (see [Figure 9 on page 29](#)), scroll to **Scan & Enter Location** and press **ENT**. Alternatively, press the number **2** for this menu option.
2. Scan or enter a location in the **Scan/Ent. Location** field.

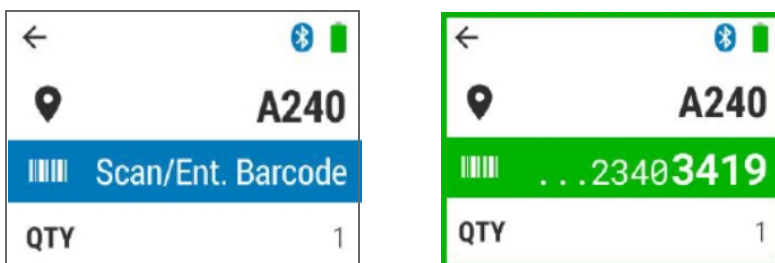
Figure 14 Scan & Enter Location App - Enter Location



3. Enter the barcode one of the following ways:
 - Scan a barcode. The data displays in the barcode field and the barcode data transmits to the host PC.
 - Enter the barcode data manually using the keypad and press **ENT** to transmit the data to the host PC.

The display color flashes green during decode.

Figure 15 Scan & Enter Location App - Enter Barcode



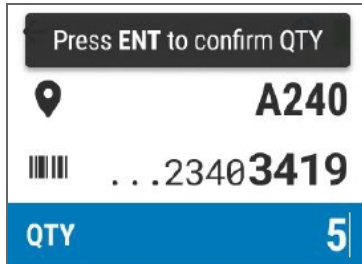
4. Enter the quantity in the **QTY** field.

Figure 16 Scan & Enter Location App - Enter Quantity



NOTE: A reminder message may appear in fields that allow manual entering (as shown in [Figure 17](#)). Reminder messages disappear after a few moments.

Figure 17 Scan & Enter Location App - Reminder Message

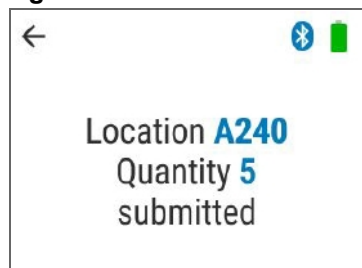


5. Press **ENT**. A submitted confirmation screen displays.



NOTE: The decode data is transmitted in the following format: <Barcode><Loc Delimiter><Location>. When the Quantity Transfer Mode is set to BC<Delimiter>QTY, it is transmitted in the format: BC<Qty Delimiter>QTY<Loc Delimiter>Location.

Figure 18 Scan & Enter Location App - Submitted Confirmation Screen



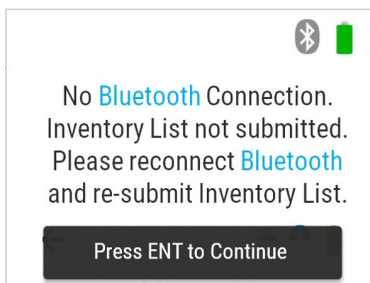
NOTE: When ADF Rule is programmed, the rule is applied to the entire data which includes Loc and Qty.

Scan Inventory

The **Inventory** app allows the user to enter inventory information and send it to a host device.



NOTE: If Bluetooth is not connected and the scanner is not in Batch Mode, the following message displays:



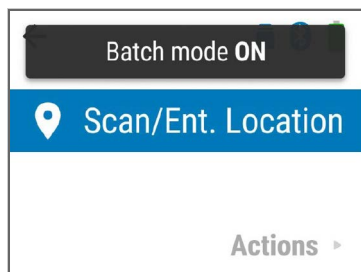
Press **ENT** to exit the screen, reconnect to Bluetooth, and re-submit inventory list.

To scan inventory:

1. Start at the **Home** screen (see [Figure 9 on page 29](#)), scroll to **Scan Inventory** and press **ENT**. Alternatively, press the number **3** for this menu option.

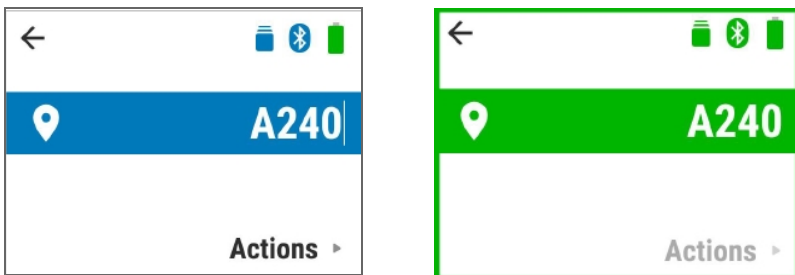
The ready state screen appears and a **Batch mode On** reminder displays.

Figure 19 Scan Inventory App



2. Enter the location one of the following ways:
 - Scan the location. When successfully decoded, the screen flashes green.
 - Manually enter the location and press **ENT** when finished.

Figure 20 Scan Inventory App - Enter Location

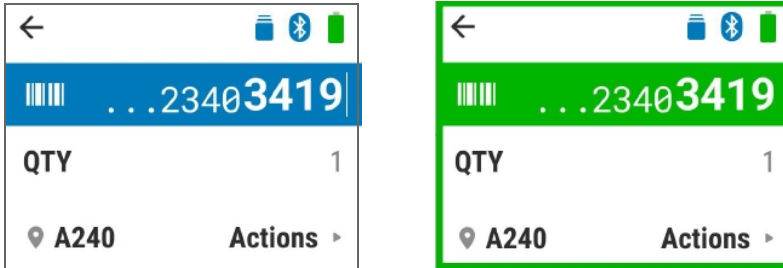


3. Enter the barcode one of the following ways:
 - Scan a barcode. The data displays in the barcode field and the barcode data transmits to the host PC.

- Enter a SKU or barcode data manually using the keypad and press **ENT** to transmit the data to the host PC.

The display color flashes green during decode.

Figure 21 Scan Inventory App - Enter Barcode



4. The quantity defaults to a value of One. For only one item, skip to [step 5](#).

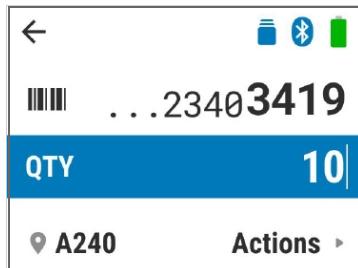
For a multiple quantities, change the quantity as follows:

- a. Press the **Down** navigation arrow.
- b. Enter the quantity in the **QTY** field using the keypad.
- c. Press **ENT** to submit.



NOTE: If [Manual Barcode Entry for Scan Inventory App on page 92](#) is disabled, the decoded data is added to the inventory list as soon as the barcode is scanned. If enabled, press **Enter** on the **QTY** field to add the decoded data to the inventory list.

Figure 22 Scan Inventory App - Enter Quantity



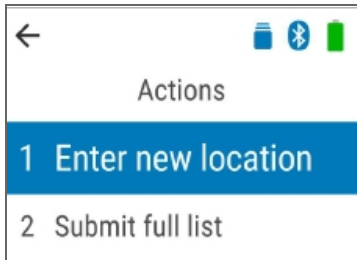
5. Continue to scan or enter the barcodes of items to inventory. The location previously entered remains in the system and displays on the bottom of the screen. To change locations, see [Changing Location During Scan Inventory](#).

Changing Location During Scan Inventory

To change the location during a scan inventory:

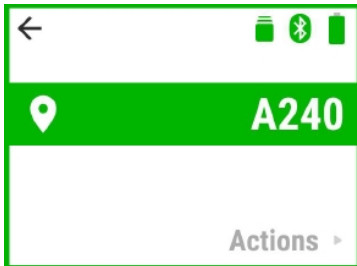
1. The barcode field remains active during scan inventory. When the barcode line item is highlighted (see [Figure 21 on page 35](#)), press the **Right** navigation arrow. The **Actions** list displays.
2. Select the number **1** for the **Enter new location** action or highlight the line item and press **ENT**.

Figure 23 Enter New Location



3. Scan or enter a location in the **Scan/Ent. Location** field (see [Figure 14 on page 32](#)). The location screen flashes green when scanning, indicating a successful location change.

Figure 24 Enter New Location - Successful Screen

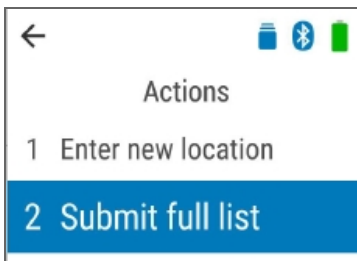


Submitting a Scanned Item List

To submit a scanned item list:

1. The barcode field remains active during scan inventory. When the barcode line item is highlighted (see [Figure 21 on page 35](#)), press the **Right** navigation arrow. The **Actions** list displays.
2. Select the number **2** for the **Submit full list** action or highlight the line item and press **ENT**.

Figure 25 Submit Full List

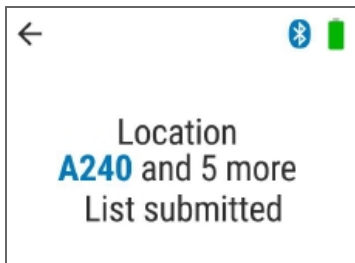


A confirmation message displays indicating a successful submission.



NOTE: Once the full list is submitted, it is transmitted in the following format: <Barcode><Loc Delimiter><Location>. When the Quantity Transfer Mode is set to BC<Delimiter>QTY, when the full list is submitted, it is transmitted in the format: BC<Qty Delimiter>QTY<Loc Delimiter>Location.

Figure 26 Submit Full List - Confirmation Screen

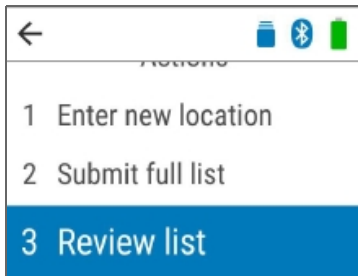


Reviewing a Scanned Item List

To review a scanned item list:

1. The barcode field remains active during scan inventory. When the barcode line item is highlighted (see [Figure 21 on page 35](#)), press the **Right** navigation arrow. The **Actions** list displays.
2. Select the number **3** for the **Review List** action or highlight the line item and press **ENT**.

Figure 27 Reviewing Scanned Item List



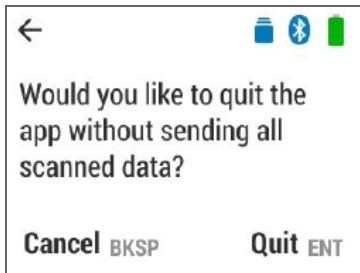
3. A list of scanned items displays (maximum of 200 items). Use the **Down** or **Up** navigation arrows to scroll through the list.

Exiting the Application Flow

To quit the application flow:

1. Select one of the following options:
 - Press **ESC** (**Blue** function key and **BKSP**) to exit the list.
 - Navigate to the **Back** arrow on the top of the display using the navigation arrows and press **ENT** ([Figure 10 on page 30](#)).
 - Press the **Home** key (see [Figure 7 on page 21](#)).
 - Select the number **4** for the **Exit App** action or highlight the line item and press **ENT**.
2. A confirmation message displays. Select one of the following options:
 - To cancel, press the **BKSP** key.
 - To quit, press the **ENT** key.

Figure 28 Quit App Confirmation Screen



NOTE: The Quit App Confirmation screen only displays when there is data in the inventory list that has not been sent to the host.

Outside/Inside Match

The user can scan the barcode on the outside of a container and then match it against the barcodes on the items inside of the container.

To perform an outside/inside match:

1. Start at the **Home** screen (see [Figure 9 on page 29](#)), scroll to **Outside/Inside Match** and press **ENT**. Alternatively, press the number **4** for this menu option.

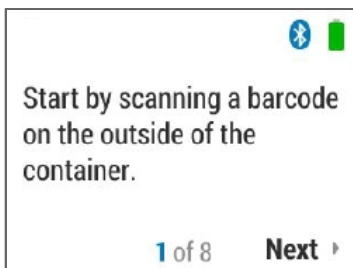
The app is in ready state to scan the outside of the container (see [Figure 29](#)).

Figure 29 Outside/Inside Match App - Outside Ready State Screen



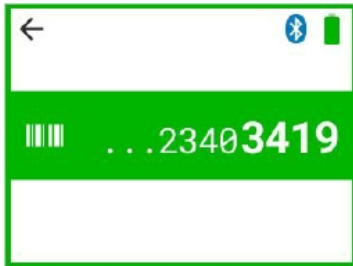
To view the instructions screen, select the **Up** navigation arrow. Use the **Right** navigation arrow to scroll through the instruction screens.

Figure 30 Outside/Inside Match App - Instruction Screens



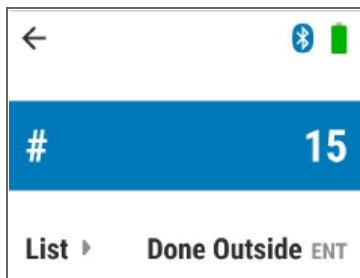
2. Scan the barcode located on the outside of the container. The display flashes green indicating a successful decode and the barcode quantity count updates.

Figure 31 Outside/Inside Match App - Successful Decode Screen



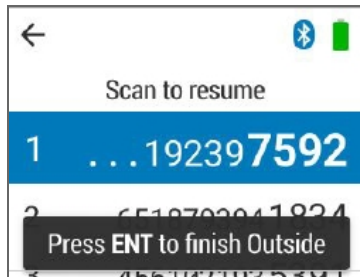
Continue to scan barcodes. To view the list of barcodes, select the **Right** navigation arrow to select **List**. Use the **Down** navigation arrow to scroll down the list of barcodes.

Figure 32 Outside/Inside Match App - Outside Quantity Screen



3. Upon completion, press **ENT** to select **Done Outside**.

Figure 33 Outside/Inside Match App - Outside Finish Screen



4. The app is in ready state to scan the inside of the container (see [Figure 34](#)). The maximum allowable amount of items is 200. When attempting to scan over 200 items, an error message displays and a beep sounds.

Figure 34 Outside/Inside Match App - Inside Ready State Screen

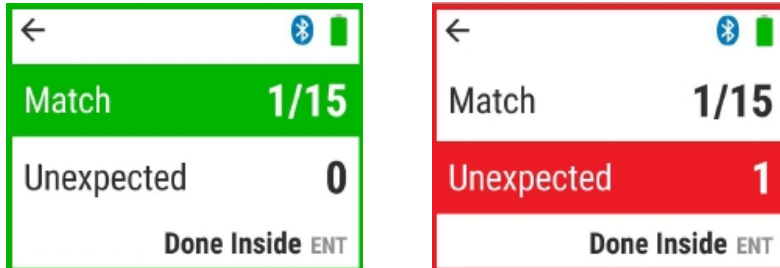


To view the **Instruction** screen, select the **Up** navigation arrow. Use the **Right** navigation arrow to scroll through the instruction screens.

5. Scan the items inside the container.

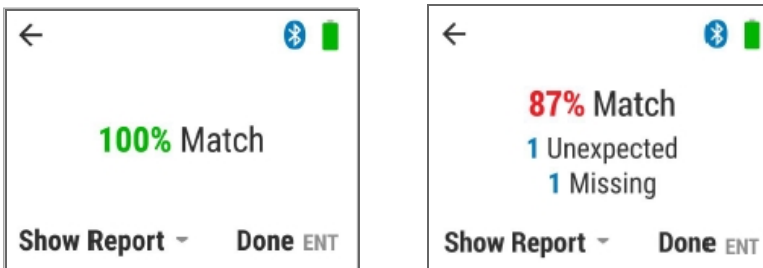
- The **Match** counter flashes green when a successful match is made and the counter increases to reflect the updated number of matches.
- The **Unexpected** counter flashes red when a scan does not match any of the outside barcodes and the Unexpected counter is updated to reflect the number of unexpected scans.

Figure 35 Outside/Inside Match App - Match and Unexpected Scan Screens



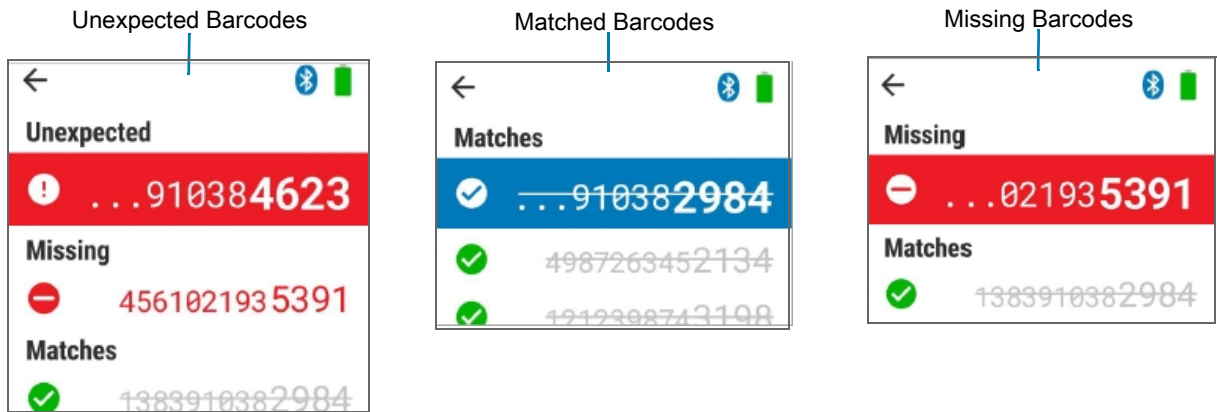
6. Upon completion, press **ENT** to select **Done Inside**.
7. The Outside/Inside Match confirmation screen displays. It includes the percentage of barcodes matched and additional non-match details. Select one of the following options:
 - Press **ENT** to select **Done**.

Figure 36 Outside/Inside Match App - Confirmation Screens



- Press the **Down** navigation arrow to select **Show Report**. Press the **Up** and **Down** navigation arrows to scroll through the report of scanned items (see [Figure 37](#)). The list may include the following active and inactive items:
 - **Unexpected** - There are barcode(s) inside the container that are not on the outside of the container.
 - **Matched** - The barcodes outside and inside the container match.
 - **Missing** - There there are more barcodes outside the container than inside the container; missing barcodes inside the container.

Figure 37 Outside/Inside Match App - Scanned Items Screens



NOTE: This app does not transmit data to the host. It is intended to view container contents and matches.

Deleting a Barcode

To delete a barcode:

1. Press the **Down** navigation arrow to select **List** (see [Figure 32 on page 39](#)).
2. Press the **Down** or **Up** navigation arrows to select the desired barcode to delete.
3. Press **BKSP** to delete.

Figure 38 Outside/Inside Match App - Deleting a Barcode

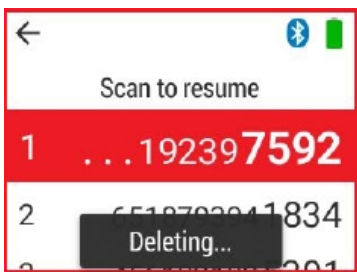


Image Viewer

In **Image Viewer** mode the user can preview and capture images.

To use image viewer:

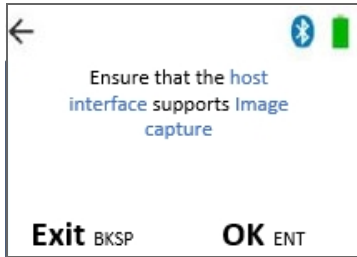
1. Start at the **Home** screen (see [Figure 9 on page 29](#)), scroll to **Image Viewer** and press **ENT**. Alternatively, press the number **5** for this menu option.
2. Ensure the host interface supports Image Viewer.

If the Image Viewer host confirmation screen displays as shown in [Figure 39](#), select one of the following options.

- Select **Exit** by pressing the **BKSP** key to exit the application.

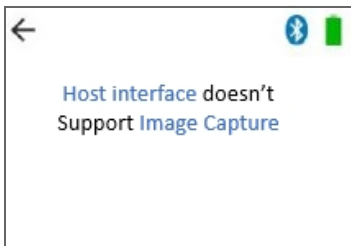
- Select **OK** by pressing the **ENT** key to proceed.

Figure 39 Image Viewer App - Host Confirmation Screen



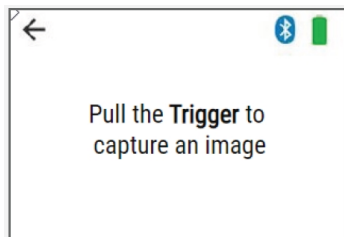
If the host interface does not support image capture, the message **Host interface doesn't Support Image Capture** displays. To exit this screen, select the arrow at the top of screen using the navigation arrows and press **ENT** or press the **Home** key.

Figure 40 Image Viewer App - Host Support Screen



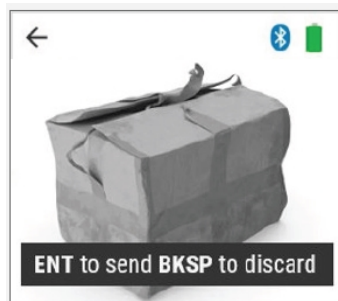
3. Once the host is recognized, press the scan Trigger to capture the image.

Figure 41 Image Viewer App - Pull Trigger Screen



4. Press **ENT** to select **send** or **BKSP** to select **discard**.

Figure 42 Image Viewer Send or Discard Capture Screen



5. An **Image Sent** confirmation screen displays. After a few seconds, the Pull Trigger (see [Figure 41](#)) screen displays and another image may be captured.

Figure 43 Image Sent Confirmation Screen



Configuration

Configuration mode provides options for global and local app settings.

The global app configuration settings apply settings in all of the barcode applications. When an application parameter is changed, it overrides the global default setting. For a complete list of global configuration default settings, see [Table 4 on page 50](#).

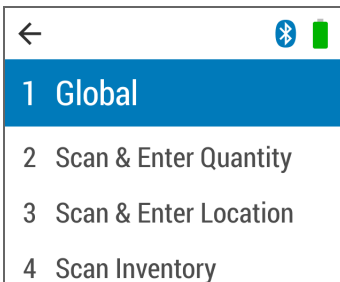
The local app settings may be changed and override the global default setting. To revert back to global defaults settings, scan the desired Global Manual Barcode Entry and/or Global Manual Quantity Entry barcodes on [page 50](#).

Configuring Display Timeout Global App Settings

This parameter sets the amount of time after idle that the display turns off. The default is 12 seconds. To change the Display Timeout duration:

1. Go to [Display Timeout on page 52](#) and scan the desired timeout durations barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow, and press **ENT** (or press the number **6** for this menu option and press **ENT**).
 - b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this menu option and press **ENT**).

Figure 44 Global Configuration Option



- c. Scroll to **Display Timeout** using the navigation arrows and press **ENT** (or press the number **1** that is for this menu option and press **ENT**).
 - d. Scroll to the desired duration using the navigation arrows and press **ENT**.



NOTE: When **Disable Display Timeout** is selected, the display never turns off.

Configuring Manual Barcode Entry Global App Settings

This parameter allows manual entry of barcode data in all of the barcode applications. When an application parameter is changed, it overrides this setting. The default is Disable.

To change the default setting:

1. Go to [Manual Barcode Entry for Scan & Enter Qty App on page 78](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this menu option and press **ENT**).
 - b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this menu option and press **ENT**).
 - c. Scroll to **Manual Barcode Entry** using the navigation arrows and press **ENT** (or press the number **3** for this configuration screen menu option and press **ENT**).
 - d. Scroll to the desired selection using the navigation arrows and press **ENT**.

To learn more about this option, press the **Right** navigation arrow to select **About**. The setting information displays. Press **ENT** to return to the previous screen.

Configuring Manual Quantity Entry Global App Settings

This parameter allows manual entry of quantity data in all of the barcode applications. When an application parameter is changed, it overrides the this setting. The default is Disable.

To change the default setting:

1. Go to [Manual Quantity Entry for Scan & Enter Qty App on page 79](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
 - b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this Configuration screen menu option and press **ENT**).
 - c. Scroll to **Manual Barcode Entry** using the navigation arrows and press **ENT** (or press the number **4** for this configuration screen menu option and press **ENT**).
 - d. Scroll to the desired selection using the navigation arrows and press **ENT**.

To learn more about this option, press the **Right** navigation arrow to select **About**. The setting information displays. Press **ENT** to return to the previous screen.

Configuring Auto Display Brightness Global App Settings

The **Auto Display Brightness** (default) parameter automatically adjusts the brightness according to the ambient lighting. When an application parameter is changed, it overrides this setting.

To change the default setting:

1. Go to [Display Brightness on page 70](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).

- b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this Configuration screen menu option and press **ENT**).
- c. Scroll to **Auto Display Brightness** using the navigation arrows and press **ENT** (or press the number **5** for this configuration screen menu option and press **ENT**).
- d. Scroll to the desired selection using the navigation arrows and press **ENT**.

Configuring Keypad Backlight Global App Settings

The **Auto Keypad Backlight** (default) automatically adjusts to achieve optimal brightness and power consumption based on the ambient light conditions. When an application parameter is changed, it overrides this setting.

To change the default setting:

1. Go to [Keypad Backlight on page 71](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
 - b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this Configuration screen menu option and press **ENT**).
 - c. Scroll to **Keypad Backlight** using the navigation arrows and press **ENT** (or press the number **6** for this configuration screen menu option and press **ENT**).
 - d. Scroll to the desired selection using the navigation arrows and press **ENT**.

Configuring Home Key Launch Global App Settings

The **Home Key Launch** feature is programmable and returns to the **Navigator** (Main Menu) by default. When an application parameter is changed, it overrides this setting.

To change the default setting:

1. Go to [Home Key Launch on page 72](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
 - b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this Configuration screen menu option and press **ENT**).
 - c. Scroll to **Keypad Backlight** using the navigation arrows and press **ENT** (or press the number **7** for this configuration screen menu option and press **ENT**).
 - d. Scroll to the desired selection using the navigation arrows and press **ENT**.

Configuring Display on Charge Global App Settings

Display on Charge configures when the display turns on while charging. The default is Full. When an application parameter is changed, it overrides this setting.

To change the default setting:

1. Go to [Home Key Launch on page 72](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:

- a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
- b. Scroll to **Global** using the navigation arrows and press **ENT** (or press the number **1** for this Configuration screen menu option and press **ENT**).
- c. Scroll to **Display on Charge** using the navigation arrows and press **ENT** (or press the number **8** for this configuration screen menu option and press **ENT**).
- d. Scroll to the desired selection (Half Full, Three Quarters Full, or Full) using the navigation arrows and press **ENT**.

Configuring Scan & Enter Quantity Local App Settings

This parameter allows manual entry of quantity data in the Scan & Enter Quantity local app. When this application parameter is changed, it overrides the global settings.

To change the default setting:

1. Go to [Manual Quantity Entry for Scan & Enter Qty App on page 79](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
 - b. Scroll to **Scan & Enter Quantity** using the navigation arrows and press **ENT** (or press the number **2** for this Configuration screen menu option and press **ENT**).
 - c. Enter your Scan & Enter Quantity selections as desired:
 - **Manual Barcode Entry** - The global default is Disable. Enabling this feature allows you to enter barcodes manually using the keypad.

Scroll to **Manual Barcode Entry** using the navigation arrows and press **ENT** (or press the number **1** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.
 - **Manual Quantity Entry** - The global default is Enable. Enabling this feature allows you to enter quantities manually using the keypad.

Scroll to **Manual Quantity Entry** using the navigation arrows and press **ENT** (or press the number **2** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.
 - **Quantity Timeout** - When data is entered into the Quantity field, the quantity timer starts (the global default is 6 seconds). When the quantity timer expires, the data is submitted to the POS and the app returns to a ready state.

Scroll to **Quantity Timeout** using the navigation arrows and press **ENT** (or press the number **3** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.

Configuring Scan & Enter Location Local App Settings

This parameter allows manual entry of quantity data in the Scan & Enter Location local app. When this application parameter is changed, it overrides the global settings.

To change the default setting:

1. Go to [Manual Barcode Entry for Scan & Enter Location App on page 85](#) and scan the desired barcode. Alternatively, you may change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
 - b. Scroll to **Scan & Enter Location** using the navigation arrows and press **ENT** (or press the number **3** for this Configuration screen menu option and press **ENT**).
 - c. Enter your Scan & Enter Location selections as desired:

- **Manual Barcode Entry** - The global default is Enable which allows you to enter barcodes manually using the keypad.

Scroll to **Manual Barcode Entry** using the navigation arrows and press **ENT** (or press the number **1** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.

- **Manual Quantity Entry** - The global default is Enable which allows you to enter quantities manually using the keypad.

Scroll to **Manual Quantity Entry** using the navigation arrows and press **ENT** (or press the number **2** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.

- **Delimiter** - The Delimiter is applied between the barcode and the location. The global default is **Tab**.

Scroll to **Delimiter** using the navigation arrows and press **ENT** (or press the number **3** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.

Configuring Scan Inventory Local App Settings

This parameter allows manual entry of Inventory data in the Scan Inventory local app. When this application parameter is changed, it overrides the global settings.

To change the default setting:

1. Go to [Manual Barcode Entry for Scan & Enter Location App on page 85](#) and scan the desired barcode. Alternatively, change the setting directly on the device as follows:
 - a. Start at the Home screen (see [Figure 9 on page 29](#)), scroll to **Configuration** using the Down navigation arrow and press **ENT** (or press the number **6** for this Home screen menu option and press **ENT**).
 - b. Scroll to **Scan Inventory** using the navigation arrows and press **ENT** (or press the number **4** for this Configuration screen menu option and press **ENT**).
 - c. Enter Scan Inventory selections:

- **Manual Barcode Entry** - The global default is Disable. When enabled, you can enter barcodes manually using the keypad.

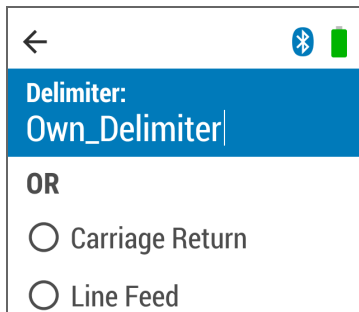
Scroll to **Manual Barcode Entry** using the navigation arrows and press **ENT** (or press the number **1** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.

- **Manual Quantity Entry** - The global default is Disable. When enabled, you can enter quantities manually using the keypad.

Scroll to **Manual Quantity Entry** using the navigation arrows and press **ENT** (or press the number **2** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.

- **Delimiter** - The Delimiter is applied between the barcode and the inventory. The global default is **Tab**.
Scroll to **Delimiter** using the navigation arrows and press **ENT** (or press the number **3** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows (User Specified, Carriage Return, Line Feed, Space, Tab (default), (,) comma, (:) colon, (;) semi colon, (=) equals) and press **ENT**.

Figure 45 Configuration Delimiter Settings Selection



NOTE: Frequently storing data with the setting **Permanent Inventory Store** shortens the life of the non-volatile memory.

- **Inventory Store** - The default for inventory storage is Temporary.
Scroll to **Inventory Store** using the navigation arrows and press **ENT** (or press the number **4** for this configuration screen menu option and press **ENT**). Then scroll to the desired selection using the navigation arrows and press **ENT**.



NOTE: If FIPS is enabled, the inventory data is not stored in non-volatile memory even though the Inventory Store is set to Permanent.

Configuration Scanner Options

You can program the digital scanner to perform various functions, or activate different features. This chapter describes each user configuration scanner feature and provides programming barcodes for selecting these features.

The digital scanner ships with the default settings shown in [Configuration Parameter Defaults on page 50](#) and the DS36X8 Product Reference Guide located at zebra.com/support. If the default values suit requirements, programming is not necessary.

To set feature values, scan a single barcode or a short barcode sequence. The settings are stored in non-volatile memory and are preserved even when the digital scanner is powered down.



NOTE: Most computer monitors allow scanning the barcodes directly on the screen. When scanning from the screen, be sure to set the document magnification to a level where you can see the barcode clearly, and bars and/or spaces are not merging.

If a USB cable is not used, select a host type (see each host chapter for specific host information) after the power-up beeps sound. This is only necessary upon the first power-up when connected to a new host. Refer to the DS36X8 Product Reference Guide at zebra.com/support for detailed information regarding host types.

To return features to default values, see [Configuration Parameter Defaults on page 50](#) and refer to the DS36X8 Product Reference Guide at zebra.com/support for detailed parameter defaults.

Throughout the programming barcode menus, asterisks indicate (*) default values.



* Indicates Default * High Volume — Feature/Option
 (0) — Option Value

Configuration Parameter Defaults

Table 4 lists defaults for configuration scanner option parameters. Scan the appropriate barcodes in this guide. These new values replace the standard default values in memory. To recall the default parameter values, refer to the DS36X8 Product Reference Guide at zebra.com/support and scan the **Set Defaults** parameter.

Table 4 Configuration Parameter Defaults

Parameter	Parameter Number ¹	SSI Number ²	Default	Page Number
Global Parameters				
Display Timeout	2144	F8 08 60	12 Seconds	52
Function Key Configurations				
Function Key 1	2145	F8 08 61	Unassigned	54
Function Key 2	2146	F8 08 62	Unassigned	56
Function Key 3	2147	F8 08 63	Unassigned	57
Function Key 4	2148	F8 08 64	Unassigned	58
Function Key 5	2149	F8 08 65	Unassigned	59
Function Key 6	2150	F8 08 66	Unassigned	60
Function Key 7	2151	F8 08 67	Unassigned	61
Function Key 8	2152	F8 08 68	Unassigned	62
Function Key 9	2153	F8 08 69	Unassigned	63
Function Key Strings				
Function Key String 1	2171	F8 08 7B	Undefined	64
Function Key String 2	2172	F8 08 7C	Undefined	64
Function Key String 3	2173	F8 08 7D	Undefined	64
Function Key String 4	2174	F8 08 7E	Undefined	65
Function Key String 5	2175	F8 08 7F	Undefined	65
Function Key String 6	2176	F8 08 80	Undefined	65
Function Key String 7	2177	F8 08 81	Undefined	65
Function Key String 8	2178	F8 08 82	Undefined	67
Function Key String 9	2179	F8 08 83	Undefined	67
Max Quantity Value	2190	F8 08 8E	9999	68
Global Manual Barcode Entry	2154	F8 08 6A	Enable	69
Global Manual Quantity Entry	2155	F8 08 6B	Enable	69
Display Brightness	2156	F8 08 6C	Enable	70
Keypad Backlight	2157	F8 08 6D	Auto	71
Home Key Launch	2158	F8 08 6E	Main Menu	72
Display on Charge	2170	F8 08 7A	Full	74

¹ Parameter number decimal values are used for programming via RSM commands.

² SSI number hex values are used for programming via SSI commands.

Configuration Scanner Options

Parameter	Parameter Number ¹	SSI Number ²	Default	Page Number
Quantity Transfer Mode	2181	F8 08 85	BCxQTY	75
Global Quantity Delimiter	2182	F8 08 86	Tab	75
Global Location Delimiter	2183	F8 08 87	Tab	77
Scan & Enter Qty App Parameters				
Manual Barcode Entry for Scan & Enter Qty App	2159	F8 08 6F	Enable	78
Manual Quantity Entry for Scan & Enter Qty App	2160	F8 08 70	Enable	79
Timeout for Scan & Enter Qty App	2161	F8 08 71	6 Seconds	80
Scan/Ent Qty Quantity Delimiter	2184	F8 08 88	Tab	82
Confirm Quantity Timeout	2187	F8 08 8B	2 Seconds	84
Scan & Enter Location App Parameters				
Manual Barcode Entry for Scan & Enter Location App	2162	F8 08 72	Enable	85
Manual Quantity Entry for Scan & Enter Location App	2163	F8 08 73	Enable	86
LOC Delimiter for Scan & Enter Location App	2164	F8 08 74	Tab	87
Scan/Ent Loc Quantity Delimiter	2185	F8 08 89	Tab	89
Confirm Location Timeout	2188	F8 08 8C	2 Seconds	91
Scan Inventory App Parameters				
Manual Barcode Entry for Scan Inventory App	2165	F8 08 75	Enable	92
Manual Quantity Entry for Scan Inventory App	2166	F8 08 76	Enable	93
LOC Delimiter for Scan Inventory App	2167	F8 08 77	Tab	93
Inventory Store	2168	F8 08 78	Temporary	96
Scan Inventory Quantity Delimiter	2186	F8 08 8A	Tab	96
¹ Parameter number decimal values are used for programming via RSM commands. ² SSI number hex values are used for programming via SSI commands.				

Global Configuration Parameters

Display Timeout

Parameter # 2144 (SSI # F8 08 60)

This parameter sets the amount of time after idle that the display turns off. When **Disable Display Timeout** is selected, the display never turns off. The default timeout is **12 Seconds**. To select a display timeout duration, scan one of the following barcodes.



Disable Display Timeout

(0)



3 Seconds

(3)



6 Seconds

(6)



* 12 Seconds
(12)



18 Seconds
(18)



NOTE: If **Disable Display Timeout** is selected, and the scanner display (outside of the charger) is not in used for 5 minutes, the screen saver displays including the battery charge status.

Function Key Configurations

Each function key parameter sets the function key to one of the following options:

- **Unassigned** - Function key is not assigned. Pressing the function key [FN key + Number] does nothing.
- **Enter** - Pressing the function key [FN key + Number] acts like pressing Enter.
- **Back** - Pressing the function key [FN key + Number] acts like pressing Backspace.
- **Recall** - Pressing the function key [FN key + Number] recalls the previously scanned barcode and places it in the highlighted field.
- **User Defined String** - Pressing the function key [FN key + Number] displays the user defined string programmed in the function key string parameter.

When the function key parameter is set to User Defined String, the string programmed in the 'Function key string' parameter is used. By default, the function key parameter is Unassigned and the function key string defaults to Undefined. The function key string must be configured correctly, before configuring the corresponding function key to User Defined String.

Function Key 1 (F1)

Parameter # 2145 (SSI # F8 08 61)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 2 (F2)

Parameter # 2146 (SSI # F8 08 62)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 3 (F3)

Parameter # 2147 (SSI # F8 08 63)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 4 (F4)

Parameter # 2148 (SSI # F8 08 64)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 5 (F5)

Parameter # 2149 (SSI # F8 08 65)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 6 (F6)

Parameter # 2150 (SSI # F8 08 66)



* Unassigned
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 7 (F7)

Parameter # 2151 (SSI # F8 08 67)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 8 (F8)

Parameter # 2152 (SSI # F8 08 68)



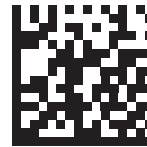
*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key 9 (F9)

Parameter # 2153 (SSI # F8 08 69)



*** Unassigned**
(0)



Enter
(1)



Recall
(2)



Back
(3)



User Defined String
(4)

Function Key String Parameters

To set the Function Key String:

1. Scan one of the below barcodes.
2. Scan the string characters from the alphanumeric keypad. See [Alphanumeric Barcodes on page 104](#).
3. Scan [End of Message on page 110](#).



NOTE: The maximum length of the string is 20 characters.

Function Key String 1

Parameter # 2171 (SSI # F8 08 7B)



Function Key String 1

Function Key String 2

Parameter # 2172 (SSI # F8 08 7C)



Function Key String 2

Function Key String 3

Parameter # 2173 (SSI # F8 08 7D)



Function Key String 3

Function Key String 4

Parameter # 2174 (SSI # F8 08 7E)



Function Key String 4

Function Key String 5

Parameter # 2175 (SSI # F8 08 7F)



Function Key String 5

Function Key String 6

Parameter # 2176 (SSI # F8 08 80)



Function Key String 6

Function Key String 7

Parameter #2177 (SSI # F8 08 81)



Function Key String 7

Function Key String 8

Parameter #2178 (SSI # F8 08 82)



Function Key String 8

Function Key String 9

Parameter #2179 (SSI # F8 08 83)



Function Key String 9

To configure the function keys using the UI on the display:

- Navigate to the Global Configuration and to the Function Key, then select the appropriate function key to be configured [between F1 – F9].
- Function key value can be viewed using by selecting **View**.
- Function key value can be configured by selecting **Edit/Assign**.
- To specify a User Defined String:
 - i. Select **Enter String > Enter**.
 - ii. Enter the entire string.
 - iii. Press **Enter**.

The string is entered in the Function Key String parameter and the Function Key parameter is configured as User Defined String.
- Optionally, the function key can be configured as Enter, Recall, or Back by selecting the corresponding radio button in the menu.
- If the function key should be set to Unassigned, do not select any radio button and ensure the string is empty under the Enter String option.

Max Quantity Value

Parameter # 2190 (SSI # F8 08 8E)

This parameter configures the maximum number of barcodes the user can transmit to the host. This is applicable to the following standard applications:

- Scan & Enter Quantity
- Scan & Enter Location
- Scan Inventory

When the user inputs a quantity value greater than the Max Qty configured by this parameter, there is an error pop-up message indicating that the quantity entered is out of bounds.

The default and the maximum value of this parameter is 9999. To set the Max Qty value to the desired number, please scan the following barcode, followed by 4 digits from the [Numeric Barcodes on page 121](#).



Max Quantity Value

For example, if you would like to set the Max Qty to 100, please scan the above barcode, followed by 4 digits 0, 1, 0, 0 from the numeric barcodes, sheet. To set the Quantity to the maximum value of 9999 scan the below barcode.



Set Max Quantity Value to 9999

Global Manual Barcode Entry

Parameter # 2154 (SSI # F8 08 6A)

This parameter allows manual entry of barcode data in all of the barcode applications. When an application parameter is changed, it overrides this setting. The default is **Disable Global Barcode Entry**.



Disable Global Barcode Entry

(0)



*** Enable Global Barcode Entry**

(1)

Global Manual Quantity Entry

Parameter # 2155 (SSI # F8 08 6B)

This parameter allows manual entry of quantity data in all of the barcode applications. When an application parameter is changed, it overrides this setting. The default is **Enable Global Quantity Entry**.



Disable Global Quantity Entry

(0)



*** Enable Global Quantity Entry**

(1)

Display Brightness

Parameter # 2156 (SSI # F8 08 6C)

The **Auto Display Brightness** (default) parameter automatically adjusts the brightness according to the ambient lighting. To disable the Auto Display Brightness feature and select a set display brightness level, scan one of the following barcodes.



* **Enable Auto Display Brightness**

(1)



Medium Display Brightness

(2)



Dimmest Display Brightness

(3)



Dim Display Brightness

(4)

Auto Display Brightness (continued)



Bright Display Brightness

(5)



Brightest Display Brightness

(6)

Keypad Backlight

Parameter # 2157 (SSI # F8 08 6D)

The **Auto Keypad Backlight** (default) automatically enables or disables the backlight according to the ambient lighting. To enable or disable the Keypad Backlight manually, scan **Disable Keypad Backlight** or **Enable Keypad Backlight**.



Disable Keypad Backlight

(0)

Keypad Backlight (continued)



Enable Keypad Backlight
(1)



*** Auto Keypad Backlight**
(2)

Home Key Launch

Parameter # 2158 (SSI # F8 08 6E)

The **Home Key Launch** feature is programmable and returns to the **Navigator (Main Menu)** by default. To select a different home screen, scan one of the following barcodes.



NOTE: When **Disable Home Key Launch** is selected, nothing happens when the **Home** key is pressed.



Disable Home Key Launch
(0)



*** Navigator (Main Menu)**
(1)

Home Key Launch (continued)



Scan & Enter Quantity
(2)



Scan, Quantity, Location
(3)



Scan Inventory
(4)



O/I Match
(5)



Image Viewer
(6)

Display on Charge

Parameter # 2170 (SSI # F8 08 7A)

Scan a barcode below to configure when the display turns on while charging. The default is **Display on Charge Full**.



Display on Charge Half Full

(1)



Display on Charge Three Quarters Full

(2)



*** Display on Charge Full**

(3)



NOTE: The screen saver displays with the battery charge status after 1 minute in the charger and the display being on.

Quantity Transfer Mode

Parameter # 2181 (SSI # F8 08 85)

When set to BC<Delimiter>QTY, the quantity is appended to the decode data, with the delimiter configured by the QTY Delimiter parameter. When set to BCxQTY, the barcode is transmitted QTY times.



* BCxQTY

(1)



BC<Delimiter>QTY

(2)

Global Quantity Delimiter

Parameter # 2182 (SSI # F8 08 86)

Delimiter between BC and QTY, when the Quantity transfer mode is set to BC<Delimiter>QTY. This is applicable to all the applications, unless overridden by an app specific Quantity Delimiter.



CR (Carriage Return)

(13)



LF (Line Feed)

(10)



Space
(32)



*** Tab**
(9)



, (Comma)
(44)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Global Location Delimiter

Parameter # 2183 (SSI # F8 08 87)

This is applicable to all the applications, unless overridden by an app specific Location Delimiter.



CR (Carriage Return)
(13)



LF (Line Feed)
(10)



Space
(32)



*** Tab**
(9)



, (Comma)
(44)

Global Location Delimiter (continued)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Local Configuration Parameters

Manual Barcode Entry for Scan & Enter Qty App

Parameter # 2159 (SSI # F8 08 6F)



NOTE: When this parameter is disabled and a barcode is scanned, the barcode field is directly populated.

The default is **Disable Manual Barcode Entry for Scan & Enter Qty App**. This parameter overrides the [Global Manual Barcode Entry on page 69](#).



**Disable Manual Barcode Entry
for Scan & Enter Qty App**

(0)



*** Enable Manual Barcode Entry
for Scan & Enter Qty App**

(1)

Manual Quantity Entry for Scan & Enter Qty App

Parameter # 2160 (SSI # F8 08 70)

The default is **Enable Manual Quantity Entry for Scan & Enter Qty App**. When enabled, and an item is scanned, the quantity defaults to a value of one and the numeric keys may be used to manually enter a different quantity. This parameter overrides the [Global Manual Barcode Entry on page 69](#).



**Disable Manual Quantity Entry
for Scan & Enter Qty App**

(0)



*** Enable Manual Quantity Entry
for Scan & Enter Qty App**

(1)

Timeout for Scan & Enter Qty App

Parameter # 2161 (SSI # F8 08 71)

When data is entered into the Quantity field, the quantity timer starts (the default is **6 Seconds**). When the quantity timer expires, the data is submitted to the POS and the app returns to a ready state.



NOTE: When the manual entry of quantity is disabled, the timeout is not applicable.



**Disable Timeout
for Scan & Enter Qty App**

(0)



3 Seconds

(3)



*** 6 Seconds**

(6)



9 Seconds

(9)



12 seconds
(12)



18 seconds
(18)

Scan/Ent Qty Quantity Delimiter

Parameter # 2184 (SSI # F8 08 88)

Delimiter between BC and QTY, when the Quantity Transfer Mode is set to BC<Delimiter>QTY for Scan/Ent QTY application.



CR (Carriage Return)
(13)



LF (Line Feed)
(10)



Space
(32)



*** Tab**
(9)



, (Comma)
(44)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Confirm Quantity Timeout

Parameter # 2187 (SSI # F8 08 8B)

This parameter sets the duration that the quantity transmission confirmation message appears on the screen after the barcode is transmitted. To disable the confirmation message, set the value to 0.



0 seconds (disable)

(0)



1 second

(1)



*** 2 seconds**

(2)



5 seconds

(5)

Manual Barcode Entry for Scan & Enter Location App

Parameter # 2162 (SSI # F8 08 72)

The default is **Enable Manual Barcode Entry for Scan & Enter Location App**. This parameter overrides the [Global Manual Barcode Entry on page 69](#).



**Disable Manual Barcode Entry
for Scan & Enter Location App**

(0)



*** Enable Manual Barcode Entry
for Scan & Enter Location App**

(1)

Manual Quantity Entry for Scan & Enter Location App

Parameter # 2163 (SSI # F8 08 73)

The default is **Enable Manual Quantity Entry for Scan & Enter Location App**. When an item is scanned, the quantity defaults to a value of one and the numeric keys may be used to manually enter a different quantity. This parameter overrides the [Global Manual Barcode Entry on page 69](#).



**Disable Manual Quantity Entry
for Scan & Enter Location App**

(0)



*** Enable Manual Quantity Entry
for Scan & Enter Location App**

(1)

LOC Delimiter for Scan & Enter Location App

Parameter # 2164 (SSI # F8 08 74)

The Delimiter is applied between the barcode and the location. The default is **Tab**.



CR (Carriage Return)

(13)



LF (Line Feed)

(10)

LOC Delimiter for Scan & Enter Location App (continued)



Space

(32)



*** Tab**

(9)



, (Comma)

(44)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Scan & Enter Loc Quantity Delimiter

Parameter # 2185 (SSI # F8 08 89)

Delimiter between BC and QTY, when the Quantity Transfer Mode is set to BC<Delimiter>QTY for Scan/Ent Loc application.



CR (Carriage Return)
(13)



LF (Line Feed)
(10)



Space
(32)



*** Tab**
(9)



, (Comma)
(44)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Confirm Location Timeout

Parameter # 2188 (SSI # F8 08 8C)

This parameter sets the duration that the Location/Qty transmission confirmation message displays on the screen after the barcode is transmitted. To disable the confirmation message, set the value to 0.



0 seconds (disable)

(0)



1 second

(1)



*** 2 seconds**

(2)



5 seconds

(5)

Manual Barcode Entry for Scan Inventory App

Parameter # 2165 (SSI # F8 08 75)

The default is **Disable Manual Barcode Entry for Scan Inventory App**. This parameter overrides the [Global Manual Barcode Entry on page 69](#).



**Disable Manual Barcode Entry
for Scan Inventory App**

(0)



*** Enable Manual Barcode Entry
for Scan Inventory App**

(1)

Manual Quantity Entry for Scan Inventory App

Parameter # 2166 (SSI # F8 08 76)

The default is **Disable Manual Quantity Entry for Scan Inventory App**. When an item is scanned, the quantity defaults to a value of one and the numeric keys may be used to manually enter a different quantity. This parameter overrides the [Global Manual Barcode Entry on page 69](#).



**Disable Manual Quantity Entry
for Scan Inventory App**

(0)



*** Enable Manual Quantity Entry
for Scan Inventory App**

(1)

LOC Delimiter for Scan Inventory App

Parameter # 2167 (SSI # F8 08 77)

The Delimiter is applied between the barcode and the inventory. The default is **Tab**.



CR (Carriage Return)
(13)



LF (Line Feed)
(10)

LOC Delimiter for Scan Inventory App (continued)



Space
(32)



*** Tab**
(9)



, (Comma)
(44)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Inventory Store

Parameter # 2168 (SSI # F8 08 78)

The default for inventory storage is **Temporary Inventory Store**.



NOTE: Frequently storing data with the setting **Permanent Inventory Store** shortens the life of the non-volatile memory.



* **Temporary Inventory Store**
(0)



Permanent Inventory Store
(1)

Scan Inventory Quantity Delimiter

Parameter # 2186 (SSI # F8 08 8A)

Delimiter between BC and QTY, when the Quantity Transfer Mode is set to BC<Delimiter>QTY for Scan Inventory application.



CR (Carriage Return)
(13)



LF (Line Feed)
(10)



Space
(32)



*** Tab**
(9)



, (Comma)
(44)

Scan Inventory Quantity Delimiter (continued)



: (Colon)
(58)



; (Semicolon)
(59)



= (Equals)
(61)

Maintenance & Technical Specifications

Maintenance

Known Harmful Ingredients

The following chemicals are known to damage the plastics on Zebra scanners and should not come in contact with the device:

- Acetone
- Ammonia solutions
- Aqueous or alcoholic alkaline solutions
- Aromatic and chlorinated hydrocarbons
- Benzene
- Carboic acid
- Compounds of amines or ammonia
- Ethanolamine
- Ethers
- Ketones
- TB-lysoform
- Toluene
- Trichloroethylene.

Approved Cleaners for the Scanner

- Isopropyl alcohol 70% (including pre-moistened wipes).

Cleaning the Scanner

Routinely cleaning the exit window is required. A dirty window may affect scanning accuracy. Do not allow any abrasive material to touch the window.

To clean the scanner:

1. Dampen a soft cloth with one of the approved cleaning agents listed above or use pre-moistened wipes.

2. Gently wipe all surfaces, including the front, back, sides, top and bottom. Never apply liquid directly to the scanner. Be careful not to let liquid pool around the scanner window, trigger, cable connector or any other area on the device.
3. Be sure to clean the trigger and in between the trigger and the housing (use a cotton-tipped applicator to reach tight or inaccessible areas).
4. Do not spray water or other cleaning liquids directly into the exit window.
5. Wipe the scanner exit window with a lens tissue or other material suitable for cleaning optical material such as eyeglasses.
6. Immediately dry the scanner window after cleaning with a soft non-abrasive cloth to prevent streaking.
7. Allow the unit to air dry before use.
8. Scanner connectors:
 - a. Dip the cotton portion of a cotton-tipped applicator in isopropyl alcohol.
 - b. Rub the cotton portion of the cotton-tipped applicator back-and-forth across the connector on the Zebra scanner at least 3 times. Do not leave any cotton residue on the connector.
 - c. Use the cotton-tipped applicator dipped in alcohol to remove any grease and dirt near the connector area.
 - d. Use a dry cotton tipped applicator and rub the cotton portion of the cotton-tipped applicator back-and-forth across the connectors at least 3 times. Do not leave any cotton residue on the connectors.

Technical Specifications

For a complete list of specifications, refer to the DS36X8 Product Reference Guide.

Table 5 Technical Specifications

Item	Description
Physical Characteristics	
Display Dimensions	2 in. diagonal QVGA display (1.5 in. x 1.25 in.)
Weight	510 g (including battery)
Power	3.2V @ 700mA (RMS typical) 3.6V @ 620mA (RMS typical) 4.2V @ 530mA (RMS typical)
Color	Industrial Green
Performance	
Light Source	Aiming pattern: 655 nm Laser / Illumination: Warm white LEDs
Minimum Resolution	Code 39 3 mil UPC 40% 5.2 mil PDF417 5 mil Data Matrix 7.5 mil

Table 5 Technical Specifications

Item	Description
Field of View (Horizontal x Vertical Nominal)	31° (H) x 23° (V)
Roll Pitch Skew	0 - 360° +/- 60° +/- 60°
Scans Per Charge	Up to 60,000
Environmental	
Operating Temperature / Humidity	-20°C to 50°C (-4°F to 122°F) 5% to 95% RH (Non-Condensing)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Drop Specification	Withstands multiple 8 ft / 2.4 m drops to concrete at 23°C (73°F) Withstands multiple 6.5 ft / 2.0 m drops to concrete at -20°C to 50°C (-4°F to 122°F)
Tumble Specification	2,500 cycles @ 1 meter
Environmental Sealing	IP65 and IP67
Ambient Light Immunity	0 to 10,037 Foot Candles 0 to 108,000 Lux.
Symbology Decode Capability & Supported Interfaces	
Refer to DS36X8 Product Reference Guide at zebra.com/support .	

Troubleshooting



NOTE: If after performing these checks, the digital scanner still experiences problems, contact the distributor or call Zebra support.

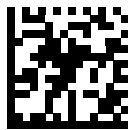
Table 4 Troubleshooting

Problem	Possible Cause	Possible Solution
Digital scanner emits 4 short high beeps during read attempt.	Battery is low.	Place the scanner in the cradle to charge.
Digital scanner decode barcode, but does not transmit the data to the host.	Digital scanner is not programmed for the correct host type.	Scan the appropriate host type programming barcode. Refer to the DS36X8 Product Reference Guide.
	Cradle is not programmed for the correct host type.	Check digital scanner host parameters or edit options.
	Digital scanner is not paired to host connected interface.	Pair digital scanner to the cradle by scanning the PAIR barcode on the cradle.
	Cradle has lost connection to the host.	In this exact order: disconnect power supply; disconnect host cable; wait three seconds; reconnect host cable; reconnect power supply; reestablish pairing.
Host displays tag data incorrectly.	Digital scanner is not programmed to work with the host.	Scan the appropriate host type programming barcode.
		For RS-232, set the digital scanner's communication parameters to match the host's settings.
		For a keyboard wedge configuration, program the system for the correct keyboard type, and turn off the CAPS LOCK key.

Table 4 Troubleshooting (Continued)

Problem	Possible Cause	Possible Solution
Aiming pattern does not appear when pressing the trigger.	Aiming pattern is disabled.	Enable the aiming pattern. See Hand-held Decode Aiming Pattern in the DS36X8 Product Reference Guide.
Digital scanner emits aiming pattern, but does not decode the barcode.	Digital scanner is not programmed for the correct barcode type.	Program the digital scanner to read that type of barcode. See Symbologies in the DS36X8 Product Reference Guide.
	Barcode symbol is unreadable.	Scan test symbols of the same barcode type to determine if the barcode is defaced.
	The symbol is not completely inside aiming pattern.	Move the symbol completely within the aiming pattern. Move the symbol completely within the field of view (AIM pattern does NOT define FOV).
	Distance between digital scanner and barcode is incorrect.	Move the scanner closer to or further from the barcode. See decode ranges in the DS36X8 Product Reference Guide.

Alphanumeric Barcodes



Space



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%

Alphanumeric Barcodes (continued)



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Alphanumeric Barcodes (continued)



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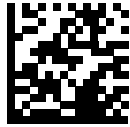


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Alphanumeric Keyboard (continued)



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?



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Alphanumeric Keyboard (continued)



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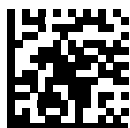
\



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-



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Alphanumeric Keyboard (continued)



NOTE: Do not confuse the barcodes that follow with those on the numeric keypad.



1



0



2



3



4



5

Alphanumeric Keyboard (continued)



6



7



8



9

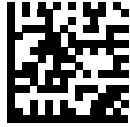


End of Message



Cancel

Alphanumeric Keyboard (continued)



A



B



C



D



E



F

Alphanumeric Keyboard (continued)



G



H



I



J



K



L

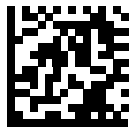
Alphanumeric Keyboard (continued)



M



N



O



P



Q



R

Alphanumeric Keyboard (continued)



S



T



U



V



W



X

Alphanumeric Keyboard (continued)



Y



Z



a



b



c



d

Alphanumeric Keyboard (continued)



e



f



g



h



i



j

Alphanumeric Keyboard (continued)



k



l



m



n



o



p

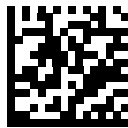
Alphanumeric Keyboard (continued)



q



r



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t



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v

Alphanumeric Keyboard (continued)



w



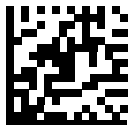
x



y



z



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Alphanumeric Keyboard (continued)








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Numeric Barcodes

For parameters requiring specific numeric values, scan the appropriately numbered barcode(s).


 0	
	 1
 2	
	 3
 4	

Numeric Barcodes

Numeric Bar Codes (continued)	
	 5
 6	
	 7
 8	
	 9

Cancel

To correct an error or change a selection, scan the barcode below.

 Cancel	
---	--

