

 **DATALOGIC**

Magellan™ 8300/8400



Quick Reference Guide

Datalogic ADC, Inc.

959 Terry Street
Eugene, OR 97402
USA
Telephone: (541) 683-5700
Fax: (541) 345-7140

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Patents

See www.patents.datalogic.com for patent list.

This product is covered by one or more of the following patents:

**See the Regulatory Addendum included with your product
for additional regulatory, safety and legal information.**

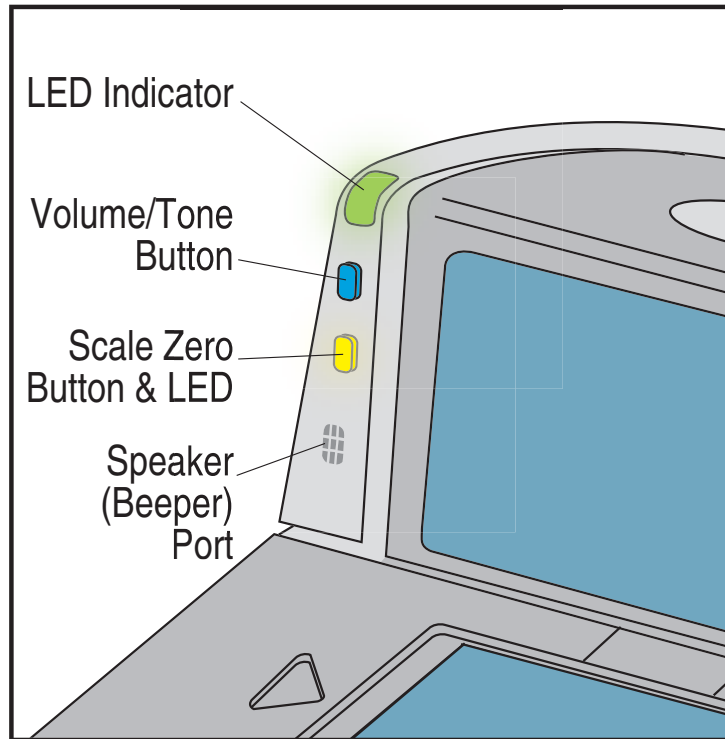
Quick Reference

The object of this manual is to provide general operational information for the user. For more product details, including installation, set-up, programming and advanced user information, reference the Product Reference Guide (PRG), which is available for viewing and download from the website listed on the back cover of this manual.

Controls and Indicators

The control panel consists of an indicator LED and two push buttons as shown in [Figure 1](#). The bottom-most button also serves as an indicator LED for scale functions (scale models ONLY). The unit also includes a speaker (beeper) which can be configured to sound indications of scanning and weighing activities. Refer to [LED and Beeper Indications](#) for more information about the functions of the push buttons and indicators.

Figure 1. Controls and Indicators



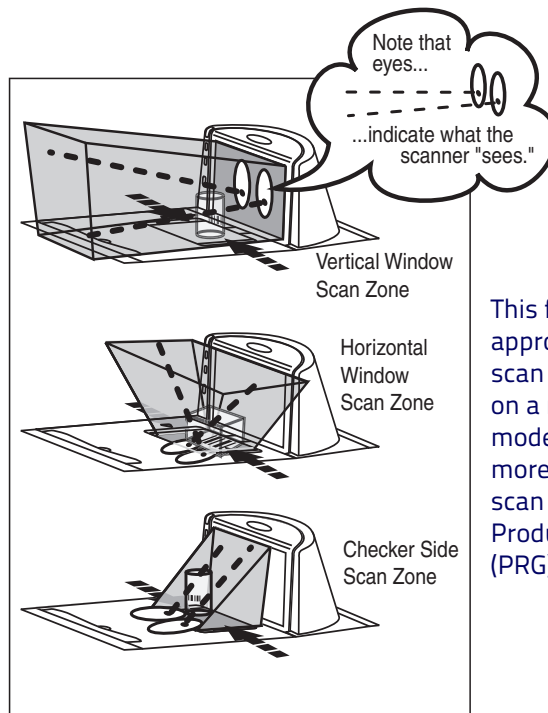
Scanning Items

Push or slide items through the 360° scan zone (shown here) in either a left-to-right or right-to-left motion. The scanner has the ability to 'see' a bar code located on any side (left, right, front, back or bottom) of a product, so there's rarely a need to reorient an item in order to scan it.

For best scanning results...

- Move items through the scan zone in their natural orientation. It's not necessary to reorient the bar code toward either the horizontal or vertical scan window.
- Sliding or pushing items rather than picking them up will avoid the gripping, twisting and rotating movements that can cause repetitive motion injuries to hands and wrists. The strain of lifting potentially thousands of pounds per day can also be relieved using this technique.

Figure 2. Identifying the Scan Zone



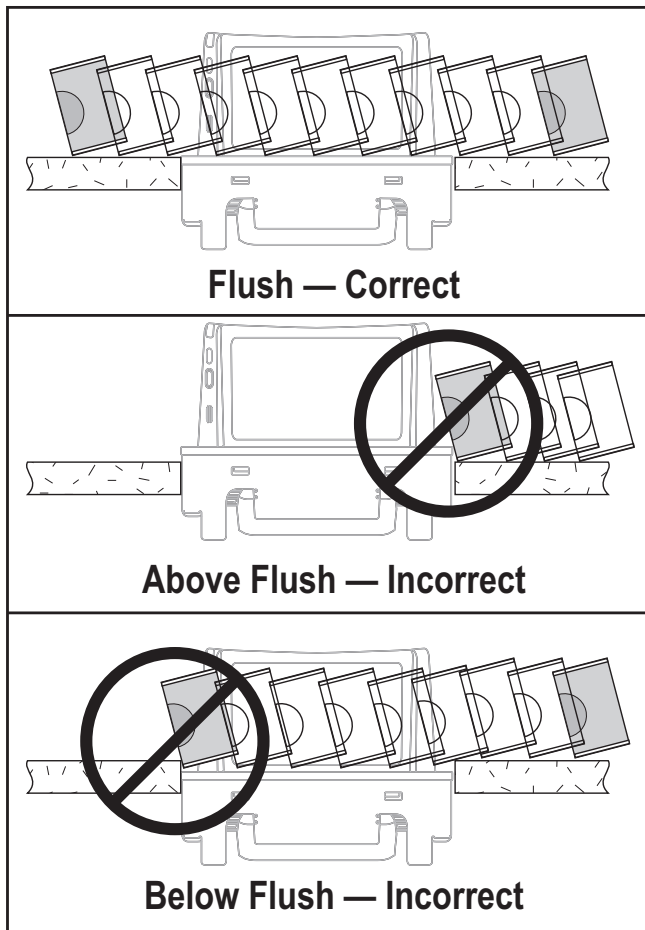
This figure is only an approximate depiction of scan zone coverage based on a medium-length model of the scanner. For more details about the scan zone, refer to the Product Reference Guide (PRG).

Scan Motion

With the 360° scan pattern and advanced FirstStrike® decoding software, the Magellan™ 8300/8400 can read most hard-to-read codes quickly and without excess orientation.

The scanner should have been installed so that leading and trailing edges of the L-Platter are flush with the countertop to enhance smooth, slide-through scanning (reference [Figure 3](#)). If the platter is not flush with the counter, contact the installer or your technical support team for assistance.

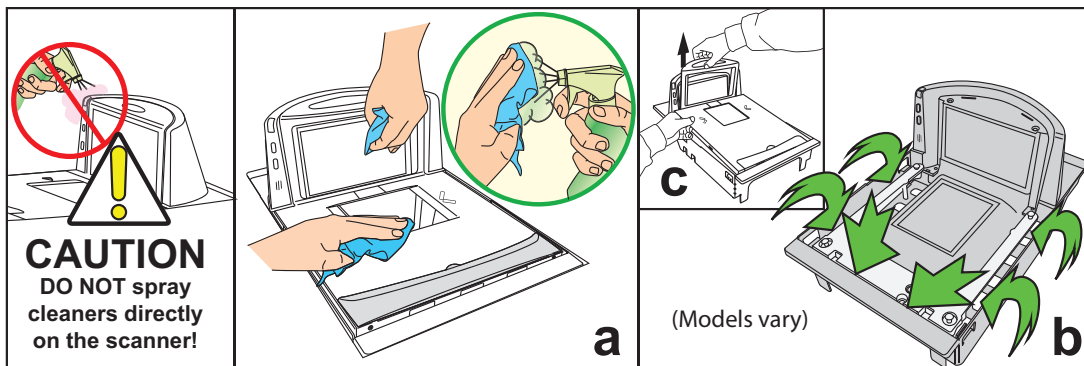
Figure 3. Verify Flush Installation



Cleaning

Exterior surfaces and scan windows exposed to spills, smudges or debris accumulation require periodic cleaning to assure best performance during scanning and weighing operations. Use a clean, lint-free cloth or paper towel dampened with a nonabrasive, mild, water-based window cleaner to wipe away stains, smudges, fingerprints, spills, etc. from the scan window and exterior surfaces (Figure 4a).

Figure 4. Cleaning the Scanner



CAUTION

DO NOT use abrasive cleaning agents or abrasive pads to clean this product. Harsh chemicals, disinfectants, and cleansers can cause damage which will adversely affect scanning and weighing performance.

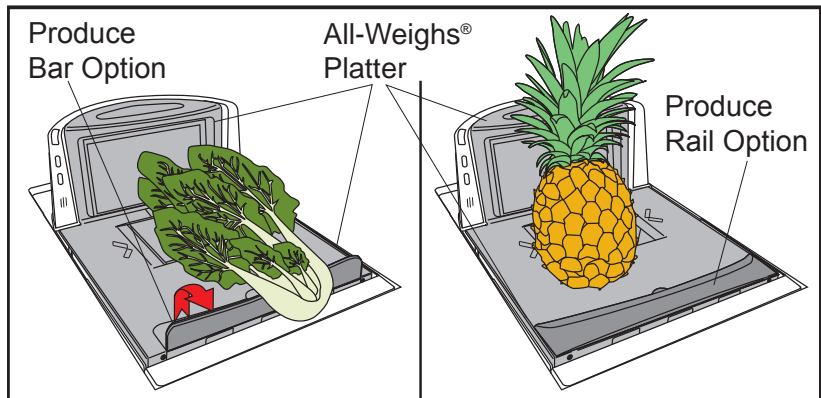
Daily, clean the debris chutes between the platter and the outer housing (Figure 4b). Most items can be cleared from the debris chutes by carefully running a thin, stiff object like a credit card along all sides of the weighing surface. If necessary, remove the platter (Figure 4c) to clean the debris chutes and drip rail.

Weighing Items Using the All-Weighs® Platter

Items to be weighed can be placed anywhere on the L-shaped All-Weighs® platter (weigh platter) surface. Oversized items can even be accurately weighed while leaned against the center of its vertical section as shown.

The optional, raised Produce Bar or Produce Rail™ features conveniently ensure that items do not rest on the counter or other non-weighing surfaces. With weighed items in place, enter PLU (Price Look-Up) data as described in the POS instructions for your system. Weight data will be displayed on the Remote Scale Display and/or the host display.

Figure 5. Weighing Items with the All-Weighs® Platter











LED and Beeper Indications

LED Indicators

The scanner LED (top-most) indicates scanner status, and the scale button/LED (scale models ONLY) is used to show scale status. See [Table 1](#) for a listing of LED indications.

Table 1. Scanner and Scale Indications

LED INDICATION	DURATION	COMMENT
Scale at Zero ^a	Scale (Yellow) LED on steady 	The scale is at rest and reads zero weight. The scale is ready to weigh.
Scanner Active ^a (Normal Mode)	Scanner (Green) LED on steady and dim 	The scanner is ready for operation. Scanning is immediately available.
Good Read Indication ^a	Scanner (Green) LED - bright flash 	Indicates a bar code has been read and decoded.
Program Mode Indication	Scanner (Green) LED - Continuous flashing 1 second on, 1 second off 	Indicates the scanner is in Label Programming Mode. Cycle power to exit Programming Mode.
Sleep Mode Indication	Scanner (Green) LED flashes 10 mS on, 1990 mS off 	The scanner motor and/or laser have automatically switched off and the unit has entered Sleep Mode due to extended inactivity.
Host Disabled	Scanner (Green) LED 100 mS on, 900 mS off 	Host has disabled scanning.
Field Replaceable Unit (FRU) Warning (Error Mode)	Audible low error tone 1 second Green and Yellow LEDs flash alternately 	Serves notice that a fatal FRU failure has been detected. Consult the Product Reference Guide for more details. If a low tone is heard, but continuous flashing is not observed, the scanner can still function in a limited capacity. Call systems support for service in either case.
FRU Indication	Scanner (Green) LED flashes a coded sequence in concert with the speaker. 	Occurs ONLY upon Volume/Tone button push following an FRU warning indication. Enables service technicians to identify FRU failures.

a. Certain functions of the Green and Yellow LEDs are selectable to be enabled or disabled. Your scanner may not be programmed to display all indications.

Volume/Tone Push Button

The Volume/Tone Push Button also performs multiple functions depending upon the duration of time it is pressed:

Table 2. Volume/Tone Push Button Functions

PRESS DURATION	FUNCTION	COMMENT
Momentary (when scanner is in Sleep Mode)	Wakes scanner from Sleep Mode	Alternatively, the scanner can be awakened by: <ul style="list-style-type: none"> - Moving an object through the scan zone. - A weight change on the scale. - Scanning with an attached auxiliary scanner.
Momentary (when scanner is in Normal Operating Mode)	Increments volume	Press the push button momentarily to increase speaker volume. When the loudest volume is reached, a repeated press of the push button cycles volume back to the lowest setting, then volume increases on subsequent press(es). Four volume levels are available.
Hold, then release when the beeper sounds	Increments tone	Press the push button for approximately 2 seconds, then release. Each time this is done, the beeper will sound at one of three tones. Stop when the desired tone (high, medium or low) is sounded.
4 Seconds	Scanner Diagnostics Mode ^a	This mode allows system support personnel to troubleshoot problems with the scanner. Generally diagnostics are initiated after noting a Field Replaceable Unit (FRU) Warning (see Table 1). Cycle power to exit Scanner Diagnostics Mode.
8 Seconds	Resets Scanner ^b	Only system support personnel should perform a reset.

- a. By standard default, this function is normally disabled to prevent accidental activation by users.
- b. Users should not perform scanner resets except under the direction of trained systems support personnel.

Scale Zero Push Button

The Scale Zero Push Button is used for two functions as described in [Table 3](#). This button has no function on 'scanner-only' models.

Table 3. Scale Zero Push Button Functions

PRESS DURATION	FUNCTION	COMMENT
Momentary	Zero Scale	When programmed to do so, the yellow Scale LED should be lit when no weight is on the scale, indicating scale at zero. If it is not, press the switch to zero the scale. The unit will sound a 'click' upon pressing the button.
Momentary (when the scale's primary indication shows an under zero condition)	Scale power cycle	When programmed to do so, and when certain conditions are met, pressing this button will initiate a scale power cycle. When the scale zero button is pushed and the weight on the scale is close to zero, the scale will zero normally like the zero scale function above. Otherwise, the scale will go through a power cycle. If the scale is able to find zero after the power cycle, the scale will perform normally. Otherwise, the scale's primary indication will display a non-weight indication.
4 Seconds	Scale Diagnostics Mode ^a	This mode allows system support personnel to troubleshoot problems with the scale. Cycle power to exit Scale Diagnostics Mode.

- a. Diagnostics Mode is meant for use by trained systems support personnel. Users should not need to initiate this function under normal circumstances.

EAS-Enabled Systems



NOTE

Electronic Article Surveillance (EAS) systems are aftermarket options, and are installed by either Sensormatic® or Checkpoint® technicians at your site depending upon which EAS product package is purchased to use with your scanner.

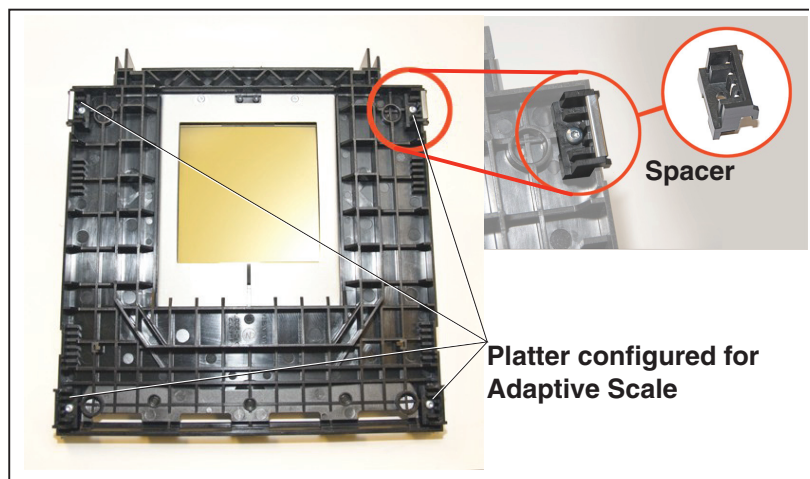
Once the system is activated, EAS security tags are automatically deactivated by passing items over the EAS antenna located beneath the scanner's platter.

Adaptive Scale Platter Option

Some Platters have been shipped with installed spacers on their undersides at all four corners. These specially-configured Platters are provided for customers wishing to add an adaptive scale to their unit at a later date. Until such time as the adaptive scale is installed, the four spacers should be left in place to ensure that the Platter rests evenly at its correct height when positioned on the scanner.

To remove the spacers, loosen and remove the single screw for each as shown below.

Figure 6. Removing the Platter Adapter Mounts



NOTES

Appendix A.— Warranty

Datalogic warrants to Customer that Datalogic's products will be free from defects in materials and workmanship for a period of 1 year from product shipment.

Datalogic ADC Limited Factory Warranty

Warranty Coverage

Datalogic ADC ('Datalogic') hardware products are warranted against defects in material and workmanship under normal and proper use. The liability of Datalogic under this warranty is limited to furnishing the labor and parts necessary to remedy any defect covered by this warranty and restore the product to its normal operating condition. Repair or replacement of product during the warranty does not extend the original warranty term. Products are sold on the basis of specifications applicable at the time of manufacture and Datalogic has no obligation to modify or update products once sold.

If Datalogic determines that a product has defects in material or workmanship, Datalogic shall, at its sole option repair or replace the product without additional charge for parts and labor, or credit or refund the defective products duly returned to Datalogic. To perform repairs, Datalogic may use new or reconditioned parts, components, subassemblies or products that have been tested as meeting applicable specifications for equivalent new material and products. Customer will allow Datalogic to scrap all parts removed from the repaired product. The warranty period shall extend from the date of shipment from Datalogic for the duration published by Datalogic for the product at the time of purchase (Warranty period). Datalogic warrants repaired hardware devices against defects in workmanship and materials on the repaired assembly for a 90 day period starting from the date of shipment of the repaired product from Datalogic or until the expiration of the original warranty period, whichever is longer. Datalogic does not guarantee, and it is not responsible for, the maintenance of, damage to, or loss of configurations, data, and applications on the repaired units and at its sole discretion can return the units in the 'factory default' configuration or with any software or firmware update available at the time of the repair (other than the firmware or software installed during the manufacture of the product). Customer accepts responsibility to maintain a back up copy of its software and data.

Warranty Claims Process

In order to obtain service under the Factory Warranty, Customer must notify Datalogic of the claimed defect before the expiration of the applicable Warranty period and obtain from Datalogic a return authorization number (RMA) for return of the product to a designated Datalogic service center. If Datalogic determines Customer's claim is valid, Datalogic will repair or replace product without additional charge for parts and labor. Customer shall be responsible for packaging and shipping the product to the designated Datalogic service center, with shipping charges prepaid. Datalogic shall pay for the return of the product to Customer if the shipment is to a location within the country in which the Datalogic service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations. Failure to follow the applicable RMA policy, may result in a processing fee. Customer shall be responsible for return shipment expenses for products which Datalogic, at its sole discretion, determines are not defective or eligible for warranty repair.

Warranty Exclusions

The Datalogic Factory Warranty shall not apply to:

- (i) any product which has been damaged, modified, altered, repaired or upgraded by other than Datalogic service personnel or its authorized representatives;
- (ii) any claimed defect, failure or damage which Datalogic determines was caused by faulty operations, improper use, abuse, misuse, wear and tear, negligence, improper storage or use of parts or accessories not approved or supplied by Datalogic;
- (iii) any claimed defect or damage caused by the use of product with any other instrument, equipment or apparatus;
- (iv) any claimed defect or damage caused by the failure to provide proper maintenance, including but not limited to cleaning the upper window in accordance with product manual;
- (v) any defect or damage caused by natural or man-made disaster such as but not limited to fire, water damage, floods, other natural disasters, vandalism or abusive events that would cause internal and external component damage or destruction of the whole unit, consumable items;
- (vi) any damage or malfunctioning caused by non-restoring action as for example firmware or software upgrades, software or hardware reconfigurations etc.;
- (vii) the replacement of upper window/cartridge due to scratching, stains or other degradation and/or
- (viii) any consumable or equivalent (e.g., cables, power supply, batteries, keypads, touch screen, triggers etc.).

No Assignment

Customer may not assign or otherwise transfer its rights or obligations under this warranty except to a purchaser or transferee of product. No attempted assignment or transfer in violation of this provision shall be valid or binding upon Datalogic.

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Customer shall bear risk of loss or damage for product in transit to Datalogic. Datalogic shall assume risk of loss or damage for product in Datalogic's possession. In the absence of specific written instructions for the return of product to Customer, Datalogic will select the carrier, but Datalogic shall not thereby assume any liability in connection with the return shipment.



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Datalogic ADC, Inc.

959 Terry Street | Eugene | OR 97402 | USA
Telephone: (1) 541-683-5700 | Fax: (1) 541-345-7140



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