

Z-6170

Hands-Free Dual-Laser Omnidirectional Scanner



Service Guide

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
3.0	Jan. 8, 2014	Initial release

Preface

Important Notice

This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with the instructions in this manual, it may cause interference to radio communications. The equipment has been tested and found to comply with the limits for a Class A computing device pursuant to EN55022 and 47 CFR, Part 2 and Part 15 of FCC Rules. These specifications are designed to provide reasonable protection against interference when operated in a commercial environment.

For CE-countries:

It is in conformity with the CE standards. Please note that a CE-Marked power supply unit should be used to conform to these standards.

Radio and television interference

Operation of this equipment in a residential area can cause interference to radio or television reception. This can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orientate the receiving antenna
- Relocate the device with respect to the receiver
- Move the device away from the receiver
- Plug the device into a different outlet so that the device and the receiver are on different branch circuits

If necessary, the user should consult the manufacturer, an authorized dealer or experienced radio/television technician for additional suggestion. The user may find the following booklet prepared by the Federal Communications Commission helpful: **“How to Identify and Resolve Radio-TV Interference Problems”**. This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004000003454.

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This manual is in A4 format. Please check your printer setting before printing it out.

Table of Contents

Preface.....2

 Important Notice2

Table of Contents.....3

Introduction4

 Product Overview.....4

 Scanner Parts6

Take Apart7

 Before You Start7

 Important Instructions7

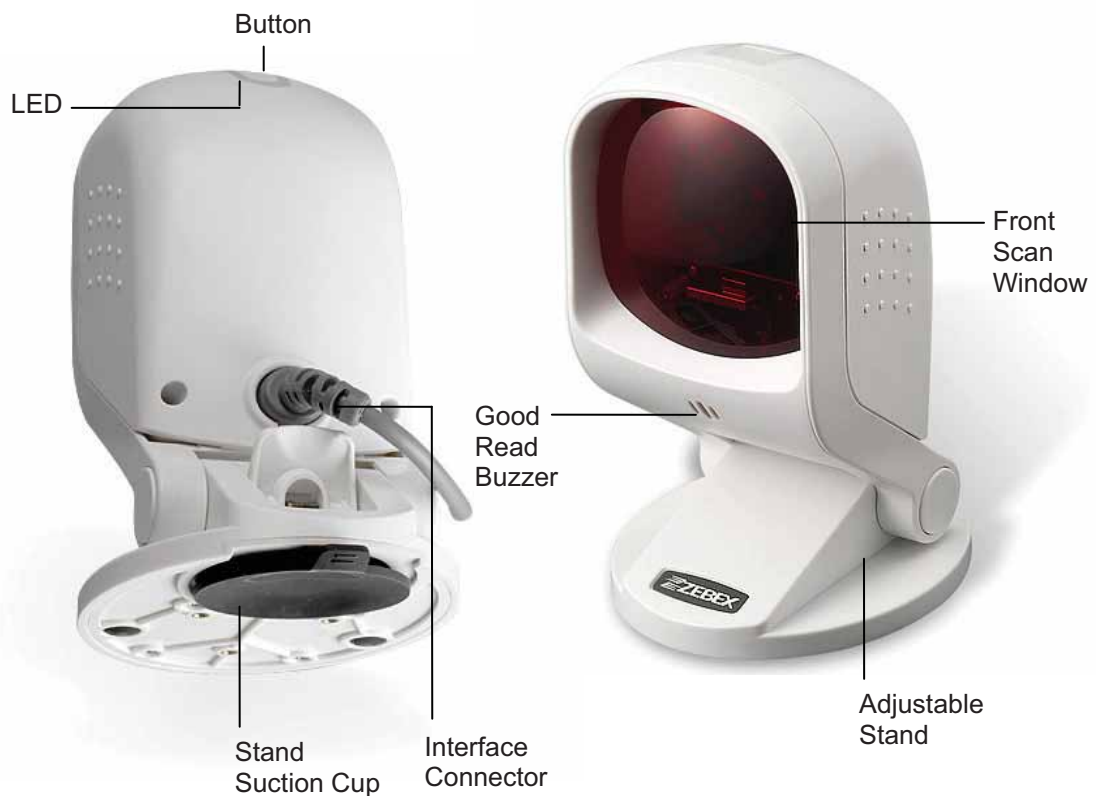
 Tools to Prepare7

Introduction

It is the first dual-laser presentation scanner in the world with numerous record-breaking key features. Its pioneered application of dual laser diodes drastically enhance scanning power by doubling up scan lines, broadening scan angle and intensifying scan pattern across scan field. With this state-of-art technology, it is able to deliver the most comprehensive 32-line scan pattern empowering 2400 scans per second, In addition, it is equipped with Z-SCAN+ technology, which is an innovative ASIC hardware decode technology to provide real-time decode capability to effectively shorten customer transaction time.

Its broad scan field could effectively facilitate scanning barcodes on products in all kinds of shapes. Moreover, it is designed for both hands-free and handheld applications. To scan large merchandise that cannot be placed on the counter, sales clerks could easily pick up from its stand to perform the product scan. While scanning multiple barcodes on one object, sales clerks could switch it to single line scan option simply by pressing one button. The adjustable stand design grants users the flexibility to set the easiest angle of scan. Furthermore, it is programmed with multiple beeper tones and barcode data edition function for different applications.

Product Overview



Description	Function	
Button	Wake up scanner	When the scanner enters into the sleep mode, pressing this switch can wake the scanner up. The sleep mode feature can be programmed by using the menu labels from the Programming Guide.  ➤ <i>The default time-out setting for the sleep mode is to switch off laser after 10 minutes, and switch off motor after 30 minutes.</i> ➤ <i>When the scanner is in sleep mode, the LED is intermittently flashing red.</i>
	Single - line pattern	Pick up the scanner, press and release the trigger to activate the single line scan mode
	Beeper tone selection	When the scanner is sitting in the adjustable stand, press down this button for 5 seconds, and it will automatically change the beeper volume.
LED	A red LED indicates the scanner is ready to read a barcode while a green LED indicates a good read.	
Stand Suction Cup	For mounting the scanner on flat surfaces. For best results, make sure the surface is clean and dry and fully press the suction cup down.	
Good Read Buzzer	If the data is captured correctly, the buzzer will be heard. Both the volume and frequency are programmable by using the menu labels from the Programming Guide.	
Adjustable stand	This stand allows you to direct the scan pattern in a way that is the best for your application by adjusting the scanner window forward or backward.	
Power Link interface cable	Connect the external AC/DC power adaptor into the power jack on the power link cable. And the interface connector provides the communication between the scanner and host terminal	

Scanner Parts

The scanner includes the following parts:



NO.	P/N	Name	Quantity
1	866-617000-209	Front case + Stand assembly (White)	Select 1
	866-617000-210	Front case + Stand assembly (Black)	
	866-617000-211	Front case + Stand assembly (Gray)	
2	866-617002-312	Back case assembly (White)	Select 1
	866-617002-313	Back case assembly (Black)	
	866-617002-314	Back case assembly (Gray)	
3	564-161700-333	Speaker cover (White)	Select 1
	564-161700-335	Speaker cover (Black)	
	564-161700-337	Speaker cover (Gray)	
4	10K-028050-410	Speaker	1
5	684-100000-493	Dust cover	1
6	86A-617002-707	Center mirror base	1
7	616-617003-202	Phone jack board assembly	1
8	031-008006-520	6Pins FFC	1
9	521-003000-6R0	M2-6.0 mm, round, Philips head	8
10	521-604000-012	Self-tapping screw M3-10.0 mm round, Trox head	4

Take Apart Before You Start

Important Instructions

- Read these instructions completely before you begin.
- Follow all instructions.
- Heed all warnings.

Tools to Prepare

- Philips screwdriver.
- Trox screwdriver.

Please follow these steps to take apart Z-6170+.

1. Remove the screws from the back case using a Trox screwdriver as circled in red.



2. Remove the front case of the scanner.



3. Carefully remove the cable circled in red.



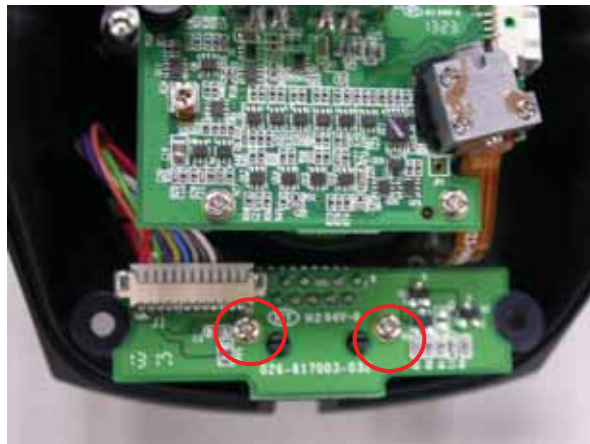
4. Remove the screws circled in red using a Philips screwdriver



5. Disassemble parts from front case.



6. Remove the screws from the main board as circled in red using a Philips screwdriver.



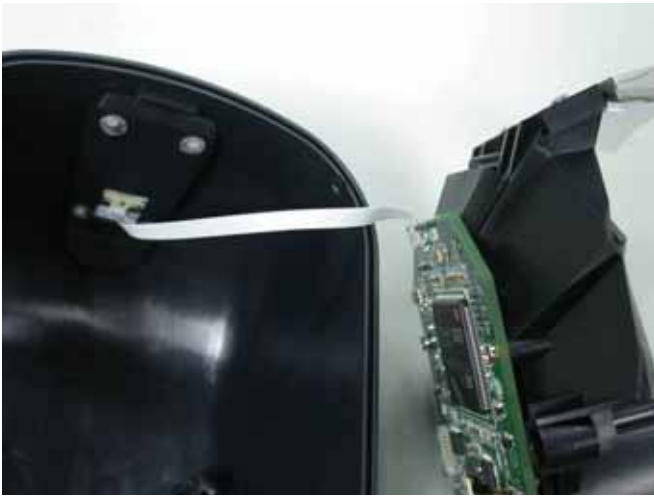
7. Separate the phone jack board and disconnect the cable from the main board connector as circled in red.



8. Remove the 2 screws circled in red using a Philips screwdriver.



9. Carefully lift the main board and remove the FFC cable.



10. Remove the FFC cable from back case.

