

20-Key Mechanical Keypad

Quick Reference Guide



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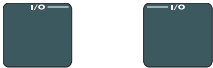






<http://www.zebra.com>

20-Key Keypad Operation

The 20-key mechanical keypad contains a **SCANNER** key, **I/O** keys, alpha/numeric keys, scroll keys and an enter key (ENTER).

Note: The 20-key mechanical keypad was not designed to meet the IP64 seal requirements or the 6 foot drop test specifications.

For detailed information about the MC9000 mobile computers refer to: <http://www.zebra.com>. For detailed keypad installation procedures refer to the MC9000 Series Keypad QRG, p/n 72-65139-xx, available at: <http://www.zebra.com/support>.

Key	Description
I/O 	Press both I/O keys to turn on and to turn off the mobile computer. See Booting the Mobile Computer on page 2 for warm and cold boot procedures.
SCANNER 	Scanner key - used for scanning applications, this key has the same function as the side Scan buttons.
Alphabetic 	Produces the lower case alphabetic l, d and p characters.
Numeric 	Produces 0 - 9 numbers.
ESC 	Exits the current operation.
Scroll Up and Down 	Moves up and down from one item to another. Increases/decreases specified values.
ENTER 	ENTER key executes a selected item or function.

Booting the Mobile Computer

To perform a warm boot:

1. Hold down both I/O keys for approximately 5 seconds.
2. As soon as the mobile computer starts to perform a warm boot release the I/O keys.




To perform a cold boot:











1. Press both I/O keys to suspend (power down) the mobile computer.
2. Press the mobile computer's primary battery releases to partially eject the battery. The secondary battery release tab is now visible. Refer to the appropriate MC9000 Product Reference Guide (PRG) for detailed battery release procedures.
3. While the battery is partially ejected, press and hold both I/O keys and insert battery. Continue holding both I/O keys, after about 15 seconds the mobile computer will cold boot.
4. As the mobile computer initializes its system, the Zebra splash window appears.

Note: For the latest Product Reference Guides go to:
<http://www.zebra.com/support>.








Keypad Mapping

The 20-key mechanical keypad has the following keypad mapping.

Key	Default State	VK Code (Decimal)	ASCII Value (Decimal)
I/O (Left) 	a	65	97
SCANNER 	Trigger		
I/O (Right) 	b	66	98

Key	Default State	VK Code (Decimal)	ASCII Value (Decimal)
L 	l	76	108
D 	d	68	100
P 	p	80	112
1 	1	49	49
2 	2	50	50
3 	3	51	51
4 	4	52	52
5 	5	53	53
6 	6	54	54
7 	7	55	55

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Key	Default State	VK Code (Decimal)	ASCII Value (Decimal)
8 	8	56	56
9 	9	57	57
0 	0	48	48
ESC 	Esc	27	27
ENTER 	Enter	13	13
UP ARROW 	Up	38	-
DOWN ARROW 	Down	40	-

Regulatory Information

All Zebra devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Any changes or modifications to Zebra equipment, not expressly approved by Zebra, could void the user's authority to operate the equipment.

Radio Frequency Interference Requirements



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which 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:

- Reorient or relocate the receiving antenna
- increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



Marking and European Economic Area (EEA)

Statement of Compliance for non-radio devices

Zebra Technologies Corporation, hereby declares that this device is in compliance with all the applicable Directives, 2004/108/EC, 2006/95/EC and 2011/65/EU. A Declaration of Conformity may be obtained from <http://www.zebra.com/doc/>

Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Zebra Support Center: www.zebra.com/support.

For the latest version of this guide go to: <http://www.zebra.com/support>.



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