

# MSR3000

## Quick Reference Guide



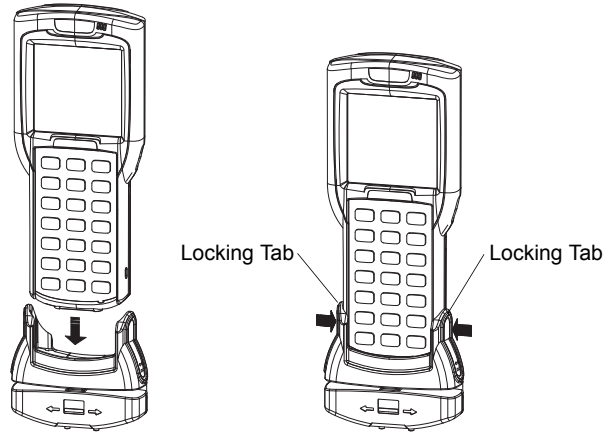
### Introduction

The MSR3000 Magnetic Stripe Reader snaps on to the bottom of the MC3000 Series mobile computer to allow easy data capture with the swipe of a magnetic stripe card. Simply remove the MSR3000 when not in use.

This guide describes how to install and remove the MSR3000, and charge the MC3000 with the MSR attached.

### Installing the MSR3000

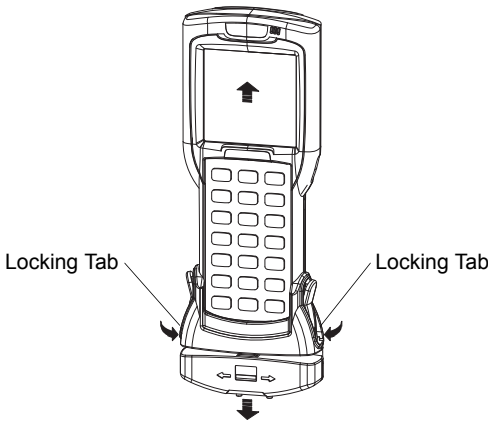
Insert the mobile computer into the MSR3000, and push in the two locking tabs.



Pull on the MSR to ensure it is securely in place.

### Removing the MSR3000

Push in the bottom of the two locking tabs and pull the MSR3000 from the mobile computer.



### Using the MSR

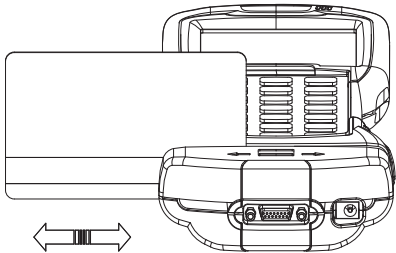
To use the MSR, ensure the MC3000 has an application which accepts magnetic stripe data.

The MC3000 supports a terminal emulator which can access MSR data. To use the terminal emulator, create a new session or connect using an existing one.

To create a new terminal session to read magnetic stripe data:

1. Select **Start - Programs - Communication - Terminal**.
2. Double-tap the **Make New Session** icon.
3. In the **Session name** box, enter a name for the session.
4. In the **Select a modem** list, select the name of the modem, or **Hayes Compatible on Com1**.
5. Tap **Configure**.
6. From the **Baud Rate** drop-down list, select **9600**.
7. Under **Terminal**, check both checkboxes.
8. Check the **Manual Dial** checkbox.
9. Tap **OK**.
10. Enter a telephone number. It need not be a valid number.
11. Select the **Emulation** tab.
12. In the **Choose an emulation type** list, select **DEC VT-100** (default).
13. In the **Code page selection** list, select **Auto-detect** (default).
14. Check the **Local echo** checkbox.
15. If desired, check the **Use small font by default** box.
16. In the **CR -> CR/LF** box, check the **Inbound** checkbox.

17. In the **Automatic Scrolling** box, set the scrolling preference to **Vertical** or **Horizontal**.
18. Tap **OK**. A terminal emulation window opens.
19. Swipe the magnetic stripe card through the MSR3000, orienting the magnetic stripe as shown. Data encoded on the magnetic stripe displays in the mobile computer window on the MC3000.



**NOTE** Swipe the card in either direction, from left to right, or right to left. For best results, gently press down on the card while swiping to ensure contact with the bottom of the reader.

If the MC3000 is idle long enough to enter the Suspend-Resume state, or if you cycle power to the mobile computer, you may need to close and restart the terminal program to reinitialize the serial port.

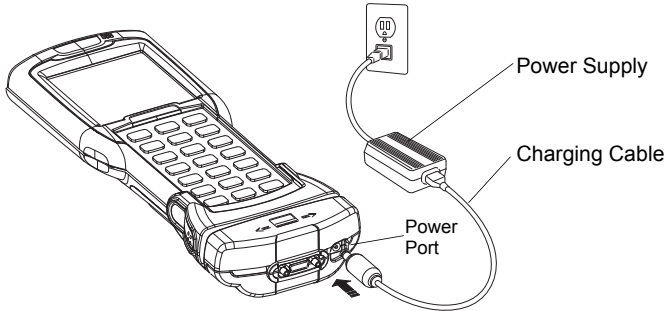
To close terminal emulation, select **File - Cancel**. The session appears as an icon in the **Terminal** folder. You can create a desktop shortcut for the session, and connect by double-tapping it.

Visit Support Central at <http://www.zebra.com/support> for MC3000 sample applications, APIs, and the latest updates.

### Charging the MC3000

To charge the MC3000 while it is inserted in the MSR3000:

1. Insert the charging cable's connector into the power port at the bottom of the MSR3000.
2. Connect the other end of the charging cable to the power supply.
3. Plug the power supply into an AC outlet.



The standard battery charges in approximately 2 1/2 hours.

### Connecting a Serial Cable

To connect a serial cable to the MC3000 while it is inserted in the MSR3000:

1. Insert the serial cable into the 15-pin pass-through port on the bottom of the MSR3000. See *Serial Pass-Through Port Pinouts* for pinout functions.
- NOTE** You cannot use standard MC3000 cables with the MSR3000. See *Optional MSR3000 Serial Cables* for cables available from Zebra.
2. Connect the other end of the cable to the serial device.
3. Use the two screws provided with the MSR3000 to secure the cable to the pass-through port.

#### Optional MSR3000 Serial Cables

- USB cable assembly: p/n 25-69474-01R
- DEX cable: p/n CBL-8800-100-DEXR
- O'Neil printer cable: p/n CBL-8800-100-ON1R
- Zebra printer cable: p/n CBL-8800-100-ZEBR

© 2015 Symbol Technologies, Inc.

Zebra reserves the right to make changes to any software or product to improve reliability, function, or design.

Zebra does not assume any product liability arising out of, or in connection with, the application or use of any product, circuit, or application described herein.

No license is granted, either expressly or by implication, estoppel, or otherwise under any Zebra intellectual property rights. An implied license only exists for equipment, circuits, and subsystems contained in Zebra products.



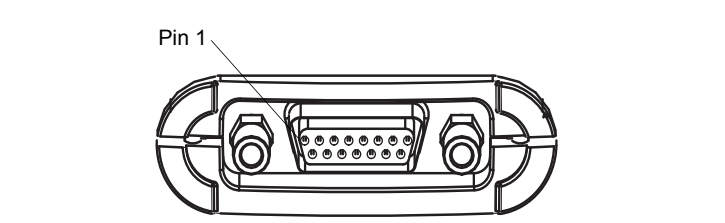
Zebra Technologies Corporation  
Lincolnshire, IL USA  
<http://www.zebra.com>

#### Warranty

For the complete hardware product warranty statement, go to:  
<http://www.zebra.com/warranty>.



## Serial Pass-Through Port Pinouts



Pin	Function	Pin	Function
1	EXT_5V	9	PntDTR_out
2	PntTxD_out	10	PntCTS_in
3	PntRxD_in	11	PntRTS_out
4	Ext_Trgr	12	USB_Vbs
5	PntDSR_in	13	DGND
6	Not used	14	Not used
7	USB+	15	USB-
8	USB_DI		

## Health and Safety Recommendations

### Ergonomic Recommendations

**CAUTION** In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

## 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.

Local language translations are available at the following website: <http://www.zebra.com/support>.

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

**CAUTION** For use only with Zebra approved and UL Listed mobile computers, Zebra approved and UL Listed accessories, battery packs and battery chargers.

Do NOT attempt to charge damp/wet mobile computers or batteries. All components must be dry before connecting to an external power source.

### Power Supply

Use ONLY a LISTED, Type no. 50-14000 (5.4Vdc / 3A), or PWRS-14000 (5.4Vdc / 3A), Direct Plug-In Power supply, marked Class 2 or LPS (IEC60950-1, SELV). Use of alternative power supply will invalidate any approval given to this device and may be dangerous.

## 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.

### 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

Zebra 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>.



### Waste Electrical and Electronic Equipment (WEEE)

**English:** For EU Customers: All products at the end of their life must be returned to Zebra for recycling. For information on how to return product, please go to: <http://www.zebra.com/weee>.

**Français:** Clients de l'Union Européenne : Tous les produits en fin de cycle de vie doivent être retournés à Zebra pour recyclage. Pour de plus amples informations sur le retour de produits, consultez : <http://www.zebra.com/weee>.

**Bulgarian:** За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Zebra за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: <http://www.zebra.com/weee>.

**Español:** Para clientes en la Unión Europea: todos los productos deberán entregarse a Zebra al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: <http://www.zebra.com/weee>.

**Deutsch:** Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Zebra zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter <http://www.zebra.com/weee>.

**Italiano:** per i clienti dell'UE: tutti i prodotti che sono giunti al termine del

rispettivo ciclo di vita devono essere restituiti a Zebra al fine di consentirne il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: <http://www.zebra.com/weee>.

**Português:** Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Zebra para reciclagem. Para obter informações sobre como devolver o produto, visite: <http://www.zebra.com/weee>.

**Nederlands:** Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Zebra te worden teruggezonden voor recycling. Raadpleeg <http://www.zebra.com/weee> voor meer informatie over het terugzenden van producten.

**Polski:** Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Zebra w celu ich utylizacji. Informacje na temat zwrotu produktów znajdź się na stronie internetowej <http://www.zebra.com/weee>.

**Čeština:** Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Zebra k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: <http://www.zebra.com/weee>.

**Eesti:** EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Zebra'ile. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: <http://www.zebra.com/weee>.

**Magyar:** Az EU-ban vásárlóknak: Minden tönkrement terméket a Zebra vállalathoz kell eljuttatni újrahasznosítás céljából. A termék visszajuttatásának módjával kapcsolatos tudnivalóként látogasson el a <http://www.zebra.com/weee> weboldalra.

**Slovenski:** Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Zebra za reciklažo. Za informacije o vračilu izdelka obiščite: <http://www.zebra.com/weee>.

**Svenska:** För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Zebra för återvinning. Information om hur du returnerar produkten finns på <http://www.zebra.com/weee>.

**Suomi:** Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Zebra-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa <http://www.zebra.com/weee>.

**Dansk:** Til kunder i EU: Alle produkter skal returneres til Zebra til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: <http://www.zebra.com/weee>.

**Ελληνικά:** Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Zebra για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση <http://www.zebra.com/weee> στο Διαδίκτυο.

**Malti:** Għal klijenti fl-UE: il-prodotti kollha li jkunu waslu fl-aħħar tal-hajja ta' l-użu tagħhom, iridu jiġu rritornati għand Zebra għar-riciklaġġ. Għal aktar tagħrif dwar kif għandek tirritorna l-prodott, jekk jogħġbok zur: <http://www.zebra.com/weee>.

**Românesc:** Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Zebra pentru reciclare. Pentru informații despre returnarea produsului, accesați: <http://www.zebra.com/weee>.

**Slovenski:** Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Zebra za reciklažo. Za informacije o vračilu izdelka obiščite: <http://www.zebra.com/weee>.

**Slovenčina:** Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Zebra na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: <http://www.zebra.com/weee>.

**Lietuvių:** ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją „Zebra“. Daugiau informacijos, kaip grąžinti gaminį, rasite: <http://www.zebra.com/weee>.

**Latviešu:** ES klientiem: visi produkti pēc to kalpošanas mūža beigām ir jānogādā atpakaļ Zebra otrreizējai pārstrādei. Lai iegūtu informāciju par produktu nogādāšanu Zebra, lūdzu, skatiet: <http://www.zebra.com/weee>.

## Service Information

If there is a problem with the equipment, contact the Global Customer Interaction Center. For contact number information, visit: [www.zebra.com/support](http://www.zebra.com/support) for the Global Customer Interaction Center in your area.

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