

RoadStor

User's Guide

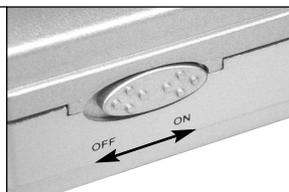
Connecting And Charging Battery

1. Connect the rechargeable battery to RoadStor.
2. Connect the power adapter cable to DC/IN on RoadStor and to the wall outlet (100-240V) to charge the battery.
3. The LED on the rechargeable battery will light until charging is complete.
4. RoadStor can be used while charging.
5. Insert the 2 AAA batteries into the remote control.

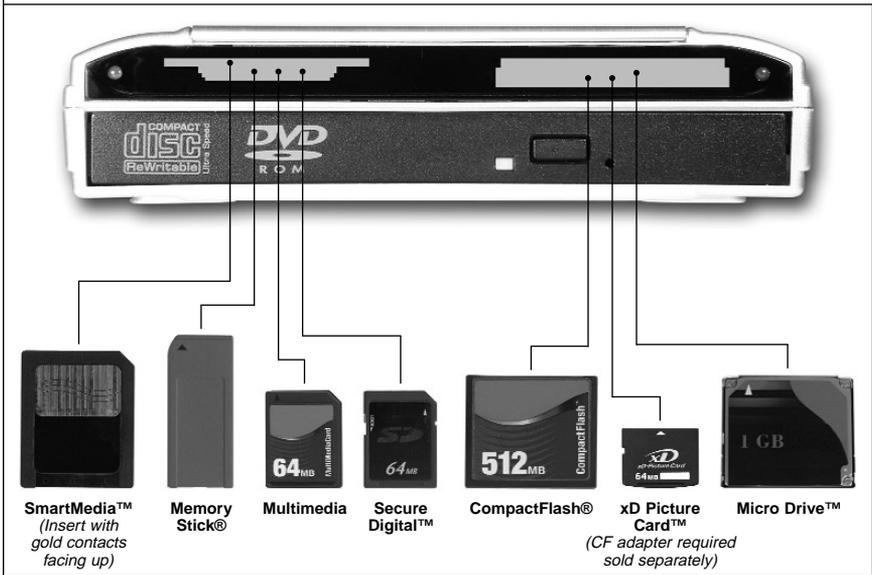


Powering RoadStor On/Off

1. You can power RoadStor on and off by the switch on the side of the unit.



Inserting The Storage Cards



Inserting SmartMedia™ Card

1. The SmartMedia™ card slot is the narrower slot in the top left (see the above illustration).
2. Insert SmartMedia™ card with gold contacts facing up.
3. The SmartMedia™ card is fully inserted when approximately 20% of the card is still visible outside of the slot.

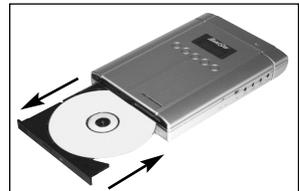


Backing Up Data From Storage Card To CD

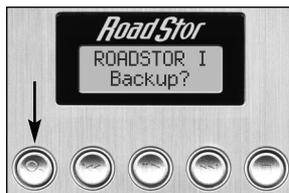
1. Insert the storage card you want to back up.
2. With the power switch on, press the eject button on the front panel of the drive to open the tray. Insert a blank CD-R or CD-RW into the tray, and then push the tray closed.

After the CD tray is closed, the system will load the disc. Wait for the drive LED to stop flashing before proceeding.

RoadStor allows backing up one storage card at a time. Do not insert two cards simultaneously.



3. Press the backup button once to go to backup mode. Press the backup button a second time to proceed and begin the backup; or press the stop button to cancel the process.



After the backup begins, you can see the backup status on the LCD display.

If the backup requires more than one disc, you will be prompted when it is time to insert a new blank disc.



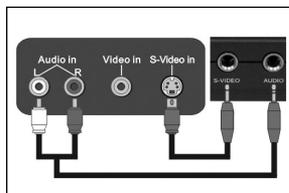
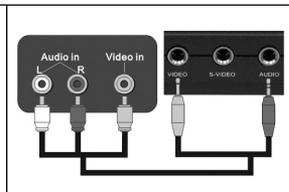
When the backup completes successfully the LCD will indicate "Done" and the CD will automatically eject.

RoadStor supports multi-session burning. If there is enough free space on the backup CD you can continue using it for additional backups until the CD is full. Additional backups can be made if they will fit entirely on the CD.



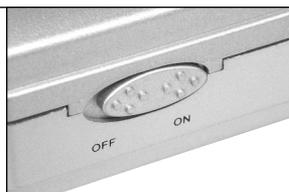
Connecting RoadStor To A TV

1. Connect the black plug to the AUDIO output and the yellow connector to the VIDEO output on RoadStor. Connect the yellow RCA plug to the video and the red/white RCA plugs to the audio input of the TV.
2. If your TV is equipped with S-video input, you can connect the S-video cable from the S-VIDEO output of RoadStor to the S-video input of the TV. Also connect the black plug to the AUDIO output of RoadStor and the red/white RCA plugs to the audio input of the TV.



Viewing Digital Photos On A TV

1. Connect RoadStor to a TV and power it on.



2. Insert the storage card or disc containing the pictures you would like to view. RoadStor will display a menu on the TV screen.

RoadStor allows playing one card at a time. Do not insert two cards simultaneously.

Digital photos are arranged within folders, usually starting with DCIM. You may have to open a few folders to find your photos.

Use the arrow buttons “▶”, “◀”, “▼”, and “▲” on the remote control to move the selector bar on the screen to the folder you want to enter or the picture you want to view. Press the play button “▶” to enter the folder or view the picture. Selecting a picture starts a slideshow. To view a single picture use the pause button “||” on the remote control.



While paused on a single picture you can zoom using the remote control. You can pan around the picture while in zoom mode. Thumbnail viewing and slideshow transitions are detailed in the Remote Control section of this guide.

Viewing DVD Movies On A TV

1. Connect RoadStor to a TV and power it on.
2. Eject the drive tray and insert the DVD disc. RoadStor will automatically start playing the DVD.



3. While playing the DVD, use the remote control to stop, pause, change chapters or adjust the volume. The buttons on top of the RoadStor also provide limited control of DVD playback.

RoadStor will play storage cards or discs containing JPEG images, MP3 audio or most MPEG movies. RoadStor will also play Audio CDs.

Inserting a storage card while playing a disc will make RoadStor stop playing the disc and automatically switch to the Card Menu. To return to disc controls, press the DVD Mode button on the remote control or remove the storage card.

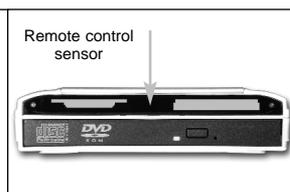


OR



Using The RoadStor Remote Control

1. The RoadStor remote control should be aimed at the black panel on the front of the RoadStor in between the storage card slots.



The buttons on the RoadStor remote control have different functions, depending upon what action is being performed:

Watching DVD Movies

Insert the DVD movie into RoadStor. Make sure that the DVD is snapped down over the center hub.

If there is a storage card already inserted, press the DVD Mode button.

RoadStor remote control buttons function the same way as a home DVD player or VCR remote.

You can adjust the volume using Vol Up + and Vol Down —

Navigate menus on the DVD using the (◀ ▲ ▼ ▶) buttons.

Press the Play (▶) button to select a menu option.

You can Search Forward (▶▶) or Reverse (◀◀) at 2x, 4x or faster speeds through a movie. Move to the next chapter using (▶▶|) or look at previous chapters using (|◀◀).



Note: The remote buttons are labeled in this illustration for reference only.

Backing up your storage cards to CD-R or CD-RW

Insert the storage card that you want to back up to CD.

Insert a new blank CD-R or CD-RW disc.

Press the Backup button two times on the remote control or on top of the RoadStor drive.

Listening to Audio CDs

Insert the Audio CD into RoadStor. Make sure that the CD is snapped down over the center hub.

RoadStor will automatically start playing the Audio CD.

Use the Forward (▶▶) or Reverse (◀◀) buttons to seek through an audio track at 1x, 2x, 3x or 4x speeds.

You can adjust the volume using Vol Up + and Vol Down —, skip to the next (▶▶|) or previous (|◀◀) track, Pause (||) or Stop (■) playback.

Viewing JPEG images, MP3s and MPEG multimedia on storage cards or discs

Insert the storage card, DVD or CD into RoadStor. The Disc Menu or Card Menu will appear on the TV screen.

Use the (▲) and (▼) buttons to move the selection bar, and use the Play (▶) button to select a file or folder. Use (||) to Pause or (■) to Stop. To skip to the next or previous selection, use (▶▶) or (◀◀).

These controls are also available —

JPEG images:

Slide Show transitions — Press the Slideshow Transition button to choose from various transitions between images, or choose NONE for no transition.

Zoom — You can Zoom In or Out on an image. Start by pressing the Zoom 1.5x-3x On/Off button, then you can either Zoom In or Zoom Out. You must be paused on a slideshow to Zoom or Rotate an image.

Rotate — To rotate an image 90°, use the (◀) and (▶) buttons. To reverse an image, use (▲), and to flip the image, use (▼).

Thumbnails — To show up to 9 JPEG images on screen at once, press the Thumbnail DVD Menu (☐) button.

MP3 playback:

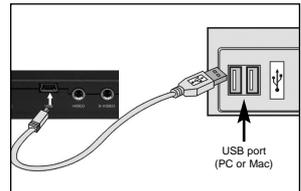
Use the Search Forward (▶▶) or Search Reverse (◀◀) buttons to seek at 2x, 4x, 6x or 8x speeds.

Connecting RoadStor To A PC Or Mac

RoadStor is automatically recognized in Windows Me, 2000 (SP3 required), XP and in Mac OS 10.1.3 or above. For Windows 98 or 98SE you must install the driver from the RoadStor Setup CD. RoadStor is not supported in Win95, NT 4 or MAC OS prior to 10.1.3.

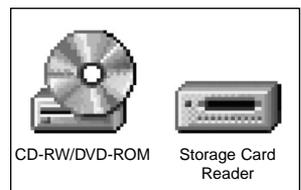
Use your computer to control the various RoadStor functions. The remote control and 5 control buttons are disabled when RoadStor is connected to your computer.

1. Power on your PC or Mac.
2. *Important: RoadStor must be powered ON before connecting the USB cable.*
3. Connect the USB cable from RoadStor to the USB port of the computer.

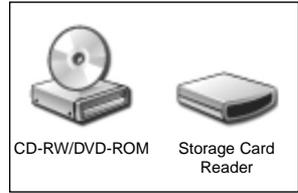


4. Windows will automatically detect and register new devices. Mac OS must be restarted before RoadStor will be recognized.

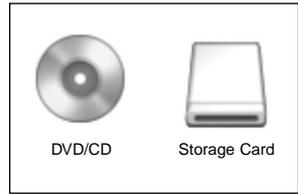
In Windows Me or Windows 2000 (SP3), there will be two disk icons added in My Computer.



In Windows XP, there will be two disk icons added in My Computer.



In Mac OS 10.1.3 or above, insert a storage card or a DVD/CD to make the icon present on the desktop.



Reading/Writing To Storage Card On PC/Mac

1. Insert the storage card you want to read or write.



RoadStor recognizes one storage card at a time. Do not insert two cards simultaneously.

2. Double-click on Removable Disk in Windows' My Computer, or the new disk icon on the Mac desktop. Then you can read or write to the storage card the same way as you would other disks.

Reading Discs Or Writing CDs On A PC Or Mac

1. Insert the disc that you want to read. Discs can be read within My Computer or Windows Explorer or from the Mac desktop, like other data CDs or DVDs.
2. To write to a CD in Windows use the SpeedyCD® disc creation software from the RoadStor Setup CD. View or print the SpeedyCD User's Guide for complete instructions.
3. To play a movie DVD in Windows, install the PowerDVD® software from the RoadStor Setup CD.

Notes:

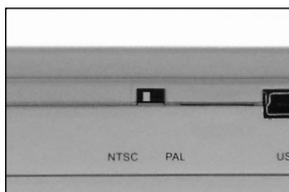
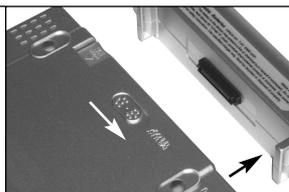
High-Speed USB 2.0 is required for DVD movie playback on your computer.

Mac software for DVD movie playback is included within MAC OS X.

Third party CD recording software, such as Toast 6™ from Roxio (sold separately), is necessary for writing CDs in RoadStor when connected to a Mac.

Switches, Locks And Releases On RoadStor

1. Slide the **Battery Unlock** switch on the bottom of the RoadStor to remove the rechargeable battery.
2. The **DVD Lock/DVD Unlock** switch and the **Push For DVD** button on the bottom of RoadStor are used for servicing the drive. They are not needed for normal operation.
3. The **NTSC/PAL** switch allows RoadStor to be used on televisions designed for NTSC (America and Japan) or PAL (UK, Europe, Asia, Australia). RoadStor's power must be on when changing this switch.



New Information Not In This Guide

Additional information about RoadStor is available online by visiting www.roadstor.com and clicking on **HELPFUL HINTS USING ROADSTOR**.

Troubleshooting

Messages on RoadStor's LCD Display

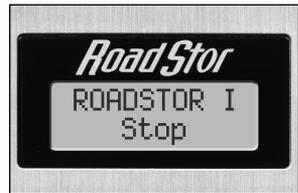
ROADSTOR INITIALIZING	The RoadStor has been powered on.
DISC LOADING	A CD has been inserted and is being read.
NO DISC	There is no CD in the RoadStor.
STOP	No operation is being performed.
OPEN	The CD tray is open.
CARD READING	Card has been inserted and is being read.
BACKUP?	The one-button backup has been pressed and RoadStor is awaiting confirmation.
READ FILES	RoadStor is determining if the files will fit on the CD during a backup.
CARD EMPTY	There are no photos or other information on the storage card to back up to CD.
DONE	The backup has finished.
NEED NEW DISC	The CD in the RoadStor is unsuitable for the backup. Insert a new blank CD.
PREPARING/ WRITE VOLUME	The backup process is beginning
BURNING CD	A storage card is being backed up to CD.
xx% FINISH	The progress of the backup being performed.
BATTERY LOW	The battery has insufficient power to perform operations. Attach the power cable or use a fully charged battery.

BURN FAILURE	An unrecoverable error has occurred during the backup process. The CD should be discarded. If you're using a CD-RW it should be fully erased on a Windows PC before reusing it.
TOO MANY FILES	The number of pictures/folders and other information on the storage card exceeds the limit of 2,000 items.
INSERT DISC 2	The backup requires another new blank CD to continue.
UPDATING F/W	A firmware upgrade file is on a disc or card in the RoadStor. The firmware is updating the drive. Do not power the RoadStor off during this process!
PROCESSING/READING WRITING	The progression of messages displayed as the firmware is updated. When the update completes, the message "Done" will appear.

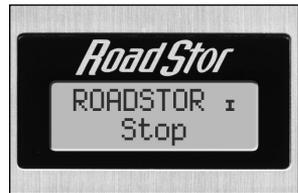
Battery Life, Recharging, and Battery Meter

You can see how much of a charge the RoadStor battery has by using the battery meter on the RoadStor's LCD screen.

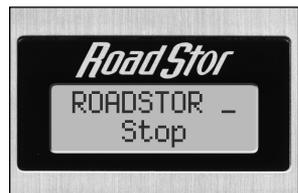
This indicates that the battery is charged (80% to 100% charged).



This indicates that the battery has a medium charge (15% to 80% charged).



This indicates that the battery is low and needs recharging (1% to 15% charged).



RoadStor's battery takes 4 hours to fully charge, and 2 hours of drive activity (playing DVD or CD) to fully discharge. RoadStor will operate for up to 4 hours on a full battery charge if it's being used to play image(s) from storage cards.

The green LED on the RoadStor battery will stay on while the battery is charging. The LED will turn off once the battery is fully charged.

Remote Control

The RoadStor remote control should be pointed at the front of the RoadStor in the center between the card reader slots. The remote should be held less than 8 feet from the RoadStor. The strength of the batteries in the remote can affect the range.

Universal Power Supply

The power supply included with the RoadStor is a universal power supply that can be used worldwide. Use the appropriate adapter plug for the electrical outlet when used outside of North America.

RAW Files

Some digital cameras may have an option to write RAW files to the storage card. This type of picture format cannot be displayed on a television using RoadStor but it can be backed up to a CD in the RoadStor using the one-button backup method.

Burn Failed

The error message: “Burn Failed” when backing up a storage card might be resolved by one or more of the following:

- Try a new blank CD. Do not re-use the same CD-R. Be sure to use a high-quality name brand CD. Generic discs are not as reliable in any CD burner.
- Upgrade your RoadStor to the latest firmware revision from: www.roadstor.com
- Make sure the storage card is securely inserted and is not removed during the backup.
- Re-format the storage card using your digital camera or a PC running Windows. (This will erase your pictures.)

Black CD-R Media

Do not use black CD-R discs when performing one-button backups with RoadStor as they can produce unreliable results.

No Picture on TV

Make sure you have the appropriate video input selected in your TV’s menu. Some televisions have different input settings when using S-Video or RCA audio/video inputs. Consult the instructions for your TV if the correct input setting can not be found.

RoadStor Not Found On Computer

Disconnect the RoadStor’s USB cable from your computer and turn the RoadStor power switch off, then back on; wait 10 seconds, and attach the RoadStor to your computer. Make sure RoadStor’s NTSC/PAL switch is set appropriately. If you are using Windows 98 the RoadStor driver must be installed from the RoadStor Setup CD.

Technical Support

Most questions about RoadStor and its operation are answered in the RoadStor User's Guides. To solve most problems:

- 1) Visit the Support area of Micro Solutions' Web site at <http://www.micro-solutions.com>.
- 2) Check the procedures in these instructions and the SpeedyCD User's Guide.

If your problem remains unsolved, contact Micro Solutions' Technical Support Department at 815.754.4500. Technical Support is available during normal business hours, Monday through Friday, Central Time. Before calling, be sure to have the following information ready:

- 1) The version numbers of your RoadStor software, and your Windows or Mac operating system.
- 2) The name and model of your computer, and the serial number found on the bottom of your RoadStor drive.
- 3) The exact wording of any error message(s) from the RoadStor software, Windows or any other application producing the error message.

If possible, be at your computer when calling.

Technical Support Phone: 815.754.4500
Technical Support FAX: 815.756.4986
Web site: <http://www.micro-solutions.com>

Micro Solutions, Inc.
132 West Lincoln Highway
DeKalb, IL 60115
Sales Phone: 815.756.3411
Sales FAX: 815.756.2928

Micro Solutions, Inc., provides this manual as is, without warranty of any kind, either express or implied. Micro Solutions, Inc., shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

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 using 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.

MODIFICATIONS

Changes or modifications not expressly approved by Micro Solutions could void the user's authority to operate this equipment.

SHIELDED CABLES

Shielded cables must be used with this equipment to maintain compliance with FCC regulations.

Hardware Warranty — Limited Warranty

Micro Solutions, Inc. ("MSI") warrants to the original purchaser of its hardware that the hardware is free from defects in workmanship and material, when operated under normal conditions and in accordance with the instructions that accompany the product. This warranty extends only to the original purchaser of the hardware and is not transferable. To the maximum extent permitted by law, this is your exclusive remedy for any defect in any hardware.

This express warranty shall be in effect for a period of one (1) year from the date the hardware was purchased by the consumer or first user whichever is sooner, provided that in no event will the warranty period extend beyond three (3) years from the date MSI shipped the hardware, as shown by MSI's shipping records.

To be eligible for warranty consideration, the original purchaser must contact MSI directly for a return authorization number and ship the hardware directly to MSI, freight prepaid with: 1) the return authorization number; 2) the original proof of purchase; and 3) a description of the problem experienced. Any returned hardware must be received by MSI no later than thirty (30) calendar days after the expiration of the warranty period.

If hardware that is under warranty is returned within the period described above and is determined by MSI to be defective in workmanship or material, MSI's sole responsibility shall be to repair or replace (at MSI's option) the defective hardware. MSI will not give refunds or credits for returned hardware. At MSI's option, repairs may be performed using new or serviceable used parts of equal or better quality to the parts being replaced. Eligible hardware that has been repaired or replaced will be shipped back to the original purchaser at MSI's expense. Any repaired or replaced hardware that is provided under this warranty shall be covered by the terms of this same warranty policy on a pro-rated time basis, which reduces the remaining warranty period by the amount of time that the original hardware was in service.

WARRANTY DISCLAIMER

TO THE EXTENT PERMITTED BY APPLICABLE LAW, WE DISCLAIM AND EXCLUDE ALL REPRESENTATIONS, WARRANTIES AND CONDITIONS, WHETHER EXPRESS, IMPLIED OR STATUTORY, OTHER THAN THOSE IDENTIFIED EXPRESSLY IN THIS HARDWARE WARRANTY. THIS DISCLAIMER AND EXCLUSION INCLUDES, BUT IS NOT LIMITED TO, ANY IMPLIED OR EXPRESS WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, as well as warranties or conditions of title, non-infringement and satisfactory quality.

LIMITATION OF LIABILITY

There may be jurisdictions in which you have a right to claim damages or payment from us. Except as otherwise specifically provided in this paragraph, whatever the legal basis for your claims, **OUR LIABILITY WILL BE LIMITED, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, TO DIRECT DAMAGES** up to the amount you have paid for the product giving rise to the claims.

NO LIABILITY FOR CERTAIN DAMAGES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, WE WILL NOT BE LIABLE FOR ANY INDIRECT DAMAGES (INCLUDING, WITHOUT LIMITATION, CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES, DAMAGES FOR LOSS OF PROFITS OR REVENUES, BUSINESS INTERRUPTION, OR LOSS OF BUSINESS INFORMATION) ARISING FROM OR RELATED IN ANY WAY TO THE POSSESSION OR USE OF THIS HARDWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR IF SUCH POSSIBILITY WAS REASONABLY FORESEEABLE.

In the USA: If your drive is in warranty, you may return it to the point of purchase for warranty service, or request an RMA number (see below) to return it directly to MSI.

Outside of the USA: If your drive is defective, you should return it to the point of purchase for service. If you are unable to do so, contact MSI (see below) to receive the address of an authorized distributor in your country who can perform warranty service. You may return your drive directly to MSI, but freight cost and duties may be excessive on single item shipments.

If you return your drive to MSI for warranty service, proof of purchase may be required. A Return Material Authorization (RMA) number must be obtained prior to the return. MSI is not responsible for material returned without the RMA number clearly printed on the outside of the shipping container. To request an RMA number, contact MSI by phone at 815.756.3411, Ext. 325 or FAX 815.756.4986 and indicate the serial number of your drive. Products to be returned to MSI must be returned, shipping and insurance prepaid, by the original purchaser to the address below.

Micro Solutions, Inc.
300 E. Harvestore Dr.
DeKalb, IL 60115, USA
Attn: RMA# _____

The USB adapter is only for use with UL listed personal computers.

CAUTION: This product contains no user serviceable controls or adjustments. Use of controls or adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

**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.**

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Part No. MAN-199

Rev. 05.04.03