

USB Data Card Programmer



user's
manual
and
installation
guide

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This device complies with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE (“home or office” interference requirements are more stringent than “outdoor” requirements). Operation of this device is subject to the following 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.

The USB Data Card Programmer does not contain any user-serviceable parts. Repairs should only be made by an authorized GARMIN service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

Registration

Help us to better support you by completing our on-line registration today! Connect to our web site (www.garmin.com). Look for the Product Registration link on the Home page.

Why should you register your USB Data Card Programmer?

- Notification of Product Updates
- Notification of New Products
- Lost or Stolen item tracking

About This Manual

Thank you for choosing the GARMIN® USB Data Card Programmer or the GARMIN StreetPilot® III with Mini-USB Data Card Programmer. To get successful results from your new USB Data Card Programmer, take time to read through this user's manual in order to fully understand all of the operating procedures.

This manual is organized into three sections:

The **Introduction** section provides licensing agreement information and a description of the programmer.

The **Installation** section introduces you to basic features and procedures for programmer setup.

The **Trouble Shooting** section contains information for finding solutions to installation and operating problems.

Standard Package Contents (USB Data Card Programmer)

- ° USB Data Card Programmer
- ° CD-ROM with USB Device Drivers for Windows 98/ME and 2000®, and GARMIN MapSource™ Upgrade Software including USB Support. (The USB drivers are also on the MapSource City Navigator CD-ROM.)
- ° User's Manual
- ° MapSource User's Manual Addendum for the USB Data Card Programmer

Minimum System Requirements

IBM-Compatible PC with Pentium processor, 16 Megabytes RAM, CD-ROM drive, Mouse or other pointing device, 256-color display adapter (24-bit color recommended) and monitor with 640 x 480 resolution or higher, and up to 20 Megabytes free hard drive space. A 32 bit operating system such as Windows 98/ME or Windows 2000. Universal Serial Bus port (USB). The USB Data Card Programmer is not designed to operate with Windows 95 or Windows NT.

Software Requirements

Existing installation of GARMIN MapSource upgraded to Version 3.04 or later.

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Introduction

Features



GARMIN Data Cards

The USB Data Card Programmer utilizes GARMIN Data Cards. Available in five sizes:

8 MB Data Card

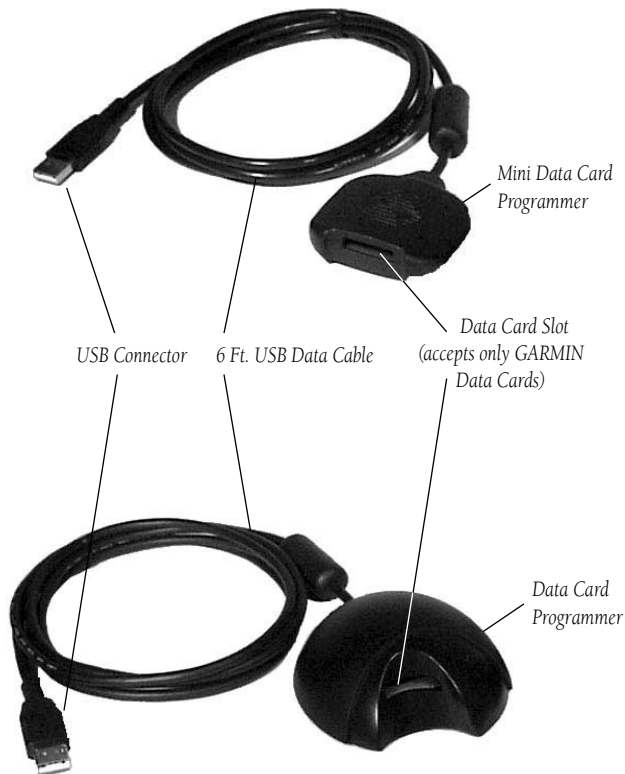
16 MB Data Card

32 MB Data Card

64 MB Data Card

128 MB Data Card

Check the GARMIN web site or see your GARMIN dealer for availability of these data cards.



Mini Data Card Programmer

*Data Card Slot
(accepts only GARMIN
Data Cards)*

USB Connector

6 Ft. USB Data Cable

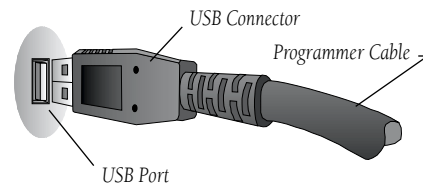
*Data Card
Programmer*

Installation of the USB Programmer and Device Drivers

1. Insert either the USB Data Card Programmer or MapSource City Navigator CD-ROM into your computer's CD-ROM drive. **It is important you insert the CD before you plug the USB Programmer into the PC!** If the MapSource program is open, close the program.
2. Connect the USB connector on the end of the Programmer cable to the USB port on the back of the computer. Most computers have two USB Ports. Either port should work. The computer does not need to be turned off when connecting or disconnecting the Programmer. After connecting the Programmer to your computer you will need to install the device drivers from the CD-ROM.
3. The computer will recognize the Programmer as a USB (or unknown) device and open the Add New Hardware Wizard and search for the device drivers. Click on "Next". If, for some reason, the Wizard does not run automatically, click the Start button and select "Settings" and then "Control Panel". Double click on the "Add New Hardware" icon.
4. The next screen will ask you if you want it to search for the best driver for your device or if you want to display a list to choose from. Select "Search for the best driver for your device" and click on "Next".
5. The next screen will display a list of locations to search for the new drivers. Select CD-ROM Drive from the list and click on "Next". Make certain all other boxes remain unchecked.
6. The Wizard will search for the driver and then display a window to tell you it is ready to install. Click on "Next". You may see a "Copying Files..." screen which tells you the file cannot be found. Choose Root Directory of the CD-ROM drive if not already there, and to try copying again (example d:\). Click "OK" to continue.

Installation

Connecting the Programmer and Installing the Device Drivers



USB (Universal Serial Bus) Port and USB Connector



Use care to insert the USB connector correctly. Do not force the connection as this may damage the USB port on your computer or the USB connector on the Programmer.

Installation

Installing the Device Drivers



The required driver files which the USB Data Card Programmer needs to find on either the USB Data Card Programmer CD or the City Navigator CD are:

*grmn0200.inf
grmn0200.sys
grmn1200.sys*

If these files cannot be seen in the root directory on the CD using Windows Explorer, your View settings may need to be adjusted.

7. When installation is complete a window will display that shows the device name (GARMIN USB Data Card Programmer) and states the driver installation is finished. Click on "Finish".
8. A final window will appear telling you that operating software for the Card Programmer is being installed.
9. To make sure the USB Programmer has been successfully installed: From the Control Panel, click on "System", then the "Device Manager" tab, then click the + by "Universal serial bus controller". You should see "Garmin USB Data Card Programmer" on the list. Another method would be to open the MapSource program, click the 'Save To Device' icon, then the 'USB Port' tab. You should see "Card Programmer" listed in the "Save Maps To:" window.

If you see a yellow '!' mark in front of the device name, (install) appears at the end of the Programmer name or the Programmer appears under "Other Devices" as an unknown device, follow these alternate steps to install the Programmer:

1. Double-click the My Computer icon from your Desktop. For Windows 98, click "View", "Folder Options", then the "View" tab. For Windows 2000/ME, click "Tools", "Folder Options", then the "View" tab.
2. Make note of the following changes if you wish to change your View settings back after installing the Programmer. Change the Hidden Files selection to "Show All Files" or "Show hidden files and folders" and uncheck the "Hide file extensions for known file types" or "Hide protected operating system files", then click "OK".
3. Be sure the driver CD is inserted and the USB Programmer is plugged into the PC. Open the Control Panel. For Windows 98, click on "System", then the "Device Manager" tab. For Windows 2000/ME, click the "Hardware" tab, then click "Device Manager".

Installing the Device Drivers

4. Find and highlight the incorrect Programmer entry on the Device Manager list, click on "Remove", then click 'OK' to confirm.
5. Click "Refresh", then click "Next" to begin searching for the drivers. On the next screen, let Windows search by leaving the bullet on the "Search for best driver.." option and click "Next". On the next screen, check ONLY the "CD-ROM drive" option and click "Next".
6. The Wizard will search for the driver and then display a window to tell you it is ready to install. Click on "Next". You may see a "Copying Files..." screen which tells you the file cannot be found. Choose Root Directory of the CD-ROM drive if not already there, and to try copying again (example d:\). Click "OK" to continue.
7. When installation is complete a window should display that shows the device name (GARMIN USB Data Card Programmer) and states the driver installation is finished. Click on "Finish".
8. To make sure the USB Programmer has been successfully installed: From the Control Panel, click on "System", then the "Device Manager" tab, then click the + by "Universal serial bus controller". You should see "Garmin USB Data Card Programmer" on the list. Another method would be to open the MapSource program, click the 'Save To Device' icon, then the 'USB Port' tab. You should see "Card Programmer" listed in the "Save Maps To:" window.

If the installation is still not successful, try shutting the computer off for 1 minute, then trying the alternate steps again. A red 'X' over the Programmer icon in Device Manager normally indicates a defective Programmer. If the USB Programmer still will not install, please contact GARMIN Product Support for further assistance.

Installing the MapSource Software Upgrade

If you are running an early version of MapSource (prior to 3.04), you may upgrade your version of MapSource at this time using the driver CD provided with the USB Data Card Programmer.

If you already have a version of MapSource newer than 3.05 (or City Navigator), upgrading from the driver CD is not necessary. You may also visit the GARMIN web site to download the most recent upgrade for MapSource.

To Install the MapSource Software Upgrade including USB Data Card Programmer Support:

1. Insert the USB Data Card Programmer CD-ROM into your computer's CD-ROM drive.
2. Click the Start button and select "Run..."
3. Then type in the drive letter of your CD-ROM drive followed by the MapSource Update file name: MSUPDATE.EXE. (For example d:\msupdate.exe)
4. Press ENTER and follow on-screen instructions.
5. Open MapSource and check the "About" box in the help file to determine that you have successfully installed Version 3.04 or later.

Installation

To Install a GARMIN Data Card:

1. Insert the Data Card (Label up and pin connector end first) into the card slot in the Programmer (standard USB Programmer pictured to the right).



For the Mini-USB Programmer, make sure the GARMIN globe logo on the Programmer is facing UP for proper orientation.

2. Be certain to install the Data Card completely into the slot to be sure the pin connections have been made.
3. To remove the Data Card, pull directly away from the Programmer using the extractor handle on the Data Card.



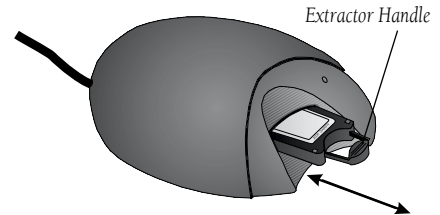
Use care not to remove the Data Card from the Programmer until data transfer has been completed to avoid possible loss of data.

Disconnecting the Programmer from Your Computer

After the USB Data Card Programmer has been successfully installed (hardware and software), disconnecting and reconnecting the Programmer can be performed without additional installation steps.

1. Before disconnecting the Programmer, be certain that no data transfer is in progress.
2. Unplug the USB connector from your computer. You do not need to turn the computer off before removing or inserting the USB connector.

Installing a Data Card in the Programmer



Disconnecting the Programmer from Your Computer

Trouble Shooting

Trouble Shooting Guide

Symptom	Probable Cause	Remedy
Windows does not recognize that the Programmer has been connected to the computer.	<p>USB Connector is not properly inserted into the USB port on the computer.</p> <p>USB Port on your computer is not properly configured.</p>	<p>Be certain the Programmer has been properly connected to your computer.</p> <p>Consult your computer supplier.</p>
When preparing to transfer data, a “No compatible device available.” message appears.	<p>System operating software is not USB compatible.</p> <p>Programmer is not connected to USB port.</p> <p>Card Programmer drivers are not installed.</p>	<p>Be certain the computer is operating on Windows 98/ME/2000 software.</p> <p>Reconnect the USB Connector to the computer.</p> <p>Install drivers.</p>
When preparing to transfer data, a “There is no data card in the Programmer.” message appears.	<p>No Data Card has been inserted in the Programmer.</p> <p>The Data Card is not fully inserted into the Programmer.</p>	<p>Insert a Data Card into the Programmer.</p> <p>Push the Data Card <u>fully</u> into the slot in the Programmer. When properly inserted, the card will protrude approximately 1/2 inch from the slot.</p>
“An unrecognized data card is in the programmer.” message appears when you attempt to transfer data.	<p>The Data Card in the Programmer is damaged.</p> <p>MapSource must be updated to be compatible with the card.</p>	<p>Insert a different card and try again.</p> <p>Update MapSource software from the GARMIN web site.</p>



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