

Upgrade Instructions and Operation Manual Addendum

2011 NAVIGATION UPGRADE SDHC CARD

CNSD-230FM

This software upgrade will result in changes to certain features and availability of information. While the changes are intended to improve the overall user experience for most users, Pioneer and its licensors disclaim any warranty or liability for damages in connection with such changes.

7-Zip

License for use and distribution

7-Zip Copyright (C) 1999-2007 Igor Paylov.

Licenses for files are:

- 1) 7z.dII: GNU LGPL + unRAR restriction
- 2) All other files: GNU LGPL

The GNU LGPL + unRAR restriction means that you must follow both GNU LGPL rules and unRAR restriction rules,

Note

You can use 7-Zip on any computer, including a computer in a commercial organization. You don't need to register or pay for 7-Zip.

GNU LGPL information

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

unRAR restriction

The decompression engine for RAR archives was developed using source code of unRAR program.

All copyrights to original unRAR code are owned by Alexander Roshal.

The license for original unRAR code has the following restriction:

The unRAR sources cannot be used to re-create the RAR compression algorithm, which is proprietary. Distribution of modified unRAR sources in separate form or as a part of other software is permitted, provided that it is clearly stated in the documentation and source comments that the code may not be used to develop a RAR (WinRAR) compatible archiver.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2,1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code, If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free

program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into nonfree programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in nonfree programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

- 2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a) The modified work must itself be a software library.
 - b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
 - You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
 - d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative

work of the Library, and therefore falls outside the scope of this License

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License, If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will oper-

ate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution,
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

- 7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work,
- 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
- 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms

and conditions for copying, distributing or modifying the Library or works based on it.

- 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
- 11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution

of the Library by all those who receive copies directly or

indirectly through you, then the only way you could satisfy

both it and this License would be to refrain entirely from

distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

- 12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
- 13. The Free Software Foundation may publish revised and/ or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission, For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this, Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally,

NO WARRANTY

15, BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PRO-VIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU, SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR COR-RECTION

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUEN-TIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of

Copyright (C) < year > < name of author >

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary, Here is a sample; alter the names:

Yovodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker

<signature of Ty Coon>, 1 April 1990 Tv Coon, President of Vice

That's all there is to it!

7-Zip Source Notice

The software program used in this product contains 7-Zip library, 7-Zip contains the software granted permission for the usage under the terms of the GNU Lesser General Public License, A copy of appropriate source code is available at customer necessary expense for the distribution.

Please contact our Customer Support Center to obtain a copy. For more information on the GNU Lesser General Public License, visit the GNU's website at http://www.gnu.org.

Portions of the software in this product are copyright 1996 -2007 The FreeType Project (www.freetype.org).

All rights reserved. Licensed under the Free-Type Project LICENSE, 2006-Jan-27. (http://www.freetype.org/FTL,TXT)

Contents

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly.

[Important

- The screens shown in the examples may differ from actual screens.
- Actual screens may be changed without notice for performance and function improvements.

1 Precaution

Failure to operate 8

Visit our website 8

SD memory card 9

Models to be upgraded 9

Manual overview 9

Setting items to be deleted and initialized by

upgrade 9

Functions disabled by upgrade 9

Conventions used in this manual **10**

1 License agreement

PIONEER CNSD-230FM - for U.S.A. 11
PIONEER CNSD-230FM - for Canada 13

TERMS AND CONDITIONS FOR THE TELE

ATLAS DATA 15

End User Licensing Terms 15

(B) About the database

About the data for the map database 19

1 Instructions for upgrading

The navigation system upgrade process 20

Preparation for upgrade 20

- Checking the device number 20

Getting the password for authentication 20

Upgrade procedures 21

 Upgrading the software program and the map database 21 Checking whether the upgrade was done properly 22

(15) Changes on the upgraded program

Searching for a name by entering characters 23

Troubleshooting

Problems in the procedures for updating Messages in the procedures for updating 24

Precaution

- Read the entire manual before upgrading the program of your navigation system.
- This package is unique, and cannot be installed on more than one unit.
- Web-connected computer is required for online issuance of password.

Failure to operate

- Should the navigation system fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.
- Do not lose the supplied Media Number Card (MEDIA NUMBER CARD). If the Media Number Card is lost, reissue of the Media Number (MEDIA NUMBER) is not possible. Also you must submit the Media Number Card when repairs are needed. The card is necessary as proof of authenticity if service is required (including recovery).

After-sales service for Pioneer products

Please contact the dealer or distributor from which you purchased the product for aftersales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below.

Please do not ship your product to the companies at the addresses listed below for repair without making advance contact.

U.S.A

Pioneer Electronics (USA) Inc. CUSTOMER SUPPORT DIVISION P.O. Box 1760 Long Beach, CA 90801-1760 800-421-1404

CANADA

Pioneer Electronics of Canada, Inc. CUSTOMER SATISFACTION DEPARTMENT 340 Ferrier Street, Unit 2, Markham, Ontario L3R 2Z5, Canada 1-877-283-5901 905-479-4411

For warranty information, please see the Limited Warranty sheet included with your product.



Visit our website

Visit us at the following site:

http://www.pioneerelectronics.com In Canada

http://www.pioneerelectronics.ca

- 1 Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
- 2 Receive updates on the latest products and technologies.
- 3 Download owner's manuals, order product catalogs, research new products, and much more.
- 4 Receive notices of software upgrades and software updates.

Precaution

SD memory card

The SD memory card and SDHC memory card are collectively referred to as the "SD memory card".

- Keep the SD memory card out of the reach of small children to prevent them from accidentally swallowing it.
- ☐ Do not store the SD memory card in high temperatures or direct sunlight.
- □ Do not subject the SD memory card to shock or impact.
- Do not allow the SD memory card to come into contact with liquids. Damage to the SD memory card and your products could result from contact with liquids.
- Be careful not to touch terminals on the SD memory card. Doing so may cause connection failures. If any terminals are dirty, wipe them with a clean dry cloth.



■ SDHC Logo is a trademark of SD-3C, IIC.

Models to be upgraded

This package can upgrade the software program and database of the following models: AVIC-U220 •

Manual overview

This manual describes how to get the password and activate the upgrade. It also provides an overview of how functions change after the upgrade.

Functions and procedures not described in this manual are basically the same as when you purchased the navigation system. For details of the basic functions and procedures, refer to Operation Manual supplied with your navigation system.

Setting items to be deleted and initialized by upgrade

The following data and settings will be cleared and reset to default values. Other items will be retained. However, some items are not listed because the setting can be easily recovered by users, such as the last cursor position on the map screen.

Route setting

Current route

Map function

Setting of "Overlay POI"

The user data stored in the internal memory of the unit may be erased if an unexpected error occurs during software installation. Pioneer is not responsible for any data loss or unavailability of user data.

Functions disabled by upgrade

Upgrading disables the following functions.

Searching for a name by entering multiple keywords

The function of searching by entering multiple keywords will be unavailable.

When you enter characters, the system will automatically search the database for all possible options. Only the characters you enter are active.

Precaution

Conventions used in this manual

Before moving on, take a few minutes to read the following information about the conventions used in this manual. Familiarity with these conventions will help you greatly as you learn how to use your new equipment.

 Buttons on your navigation system are described in ALL CAPITAL, BOLD lettering: e.g.)

MODE button

 Menu items, screen titles, and functional components are described in **bold** with double quotation marks "": e.g.)

The "Top Menu" screen appears.

 Touch panel keys that are available on the screen are described in **bold** in brackets []: e.g.)

[Settings]

- Extra information, alternatives and other notes are presented in the following format:
 - e.g.)
 - The structure of the menus will be changed due to the addition of the "Top Menu" screens.
- Functions of other keys on the same screen are indicated with
 at the beginning of the description:
 - e.g.)
 - Touch [No].
- References are indicated like this: e.g.)
 - ⇒ Refer to the screen listing at the end of the AVIC-U220 Operation Manual. ■

PIONEER CNSD-230FM - for U.S.A.

THIS IS A I FGAL AGREEMENT BETWEEN YOU, AS THE END USER, AND PIONEER ELECTRONICS (USA) INC. ("PIONEER"). PLEASE READ THE TERMS AND CONDI-TIONS OF THIS AGREEMENT CAREFULLY BE-FORE USING THE SOFTWARE INSTALLED ON THE PIONEER PRODUCTS. BY USING THE SOFTWARE INSTALLED ON THE PIONEER PRODUCTS. YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT. THE SOFT-WARE INCLUDES A DATABASE LICENSED BY THIRD PARTY SUPPLIER(S) ("SUPPLIERS"), AND YOUR USE OF THE DATABASE IS COV-ERED BY THE SUPPLIERS' SEPARATE TERMS, WHICH ARE ATTACHED TO THIS AGREEMENT (Refer to page 15), IF YOU DO NOT AGREE WITH ALL OF THESE TERMS. PLEASE RETURN THE PIONEER PRODUCTS (INCLUDING THE SOFTWARE, AND ANY WRITTEN MATERIALS) WITHIN FIVE (5) DAYS OF RECEIPT OF THE PRODUCTS, TO THE AUTHORIZED PIONEER DEALER FROM WHICH YOU PURCHASED THEM, USE OF THE SOFTWARE SHALL BE DEEMED TO BE YOUR CONSENT TO THE LICENSE AGREE-MENT.

1 GRANT OF LICENSE

Pioneer grants to you a non-transferable, non exclusive license to use the software installed on the Pioneer products (the "Software") and the related documentation solely for your own personal use or for internal use by your business, only on such Pioneer products. You shall not copy, reverse engineer, translate, port, modify or make derivative works of the Software. You shall not loan, rent, disclose, publish, sell, assign, lease, sublicense, market or otherwise transfer the Software or use it in any manner not expressly authorized by this agreement. You shall not derive or attempt to derive the source code or structure of all or any portion of the Software by reverse engineering, disassembly, decompilation, or any

other means. You shall not use the Software to operate a service bureau or for any other use involving the processing of data for other persons or entities.

Pioneer and its licensor(s) shall retain all copyright, trade secret, patent and other proprietary ownership rights in the Software. The Software is copyrighted and may not be copied, even if modified or merged with other products. You shall not alter or remove any copyright notice or proprietary legend contained in or on the Software.

You may transfer all of your license rights in the Software, the related documentation and a copy of this License Agreement to another party, provided that the party reads and agrees to accept the terms and conditions of this License Agreement.

2 DISCLAIMER OF WARRANTY

The Software and related documentation are provided to you "AS IS". PIONEER AND ITS LI-CENSOR(S) (for the purpose of provisions 2 and 3. Pioneer and its licensor(s) shall be collectively referred to as "Pioneer") MAKES AND YOU RECEIVE NO WARRANTY FOR THE SOFT-WARE, WHETHER EXPRESS OR IMPLIED. AND ALL WARRANTIES OF MERCHANTABII -ITY AND FITNESS FOR ANY PARTICULAR PURPOSE FOR THE SOFTWARE ARE EX-PRESSLY EXCLUDED. SOME STATES DO NOT ALLOW EXCLUSION OF IMPLIED WARRAN-TIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. The Software is complex and may contain some nonconformities, defects or errors. Pioneer does not warrant that the Software will meet your needs or expectations. that operation of the Software will be error free or uninterrupted, or that all nonconformities can or will be corrected. Furthermore, Pioneer does not make any representations or warranties regarding the use or results of the use of the Software in terms of its accuracy, reliability or otherwise.

3 LIMITATION OF LIABILITY

IN NO EVENT SHALL PIONEER BE LIABLE FOR ANY DAMAGES, CLAIM OR LOSS IN-CURRED BY YOU (INCLUDING, WITHOUT LIM-ITATION, COMPENSATORY, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES, LOST PROFITS, LOST INCOME, LOST SALES OR BUSINESS, EXPEN-DITURES, INVESTMENTS, OR COMMITMENTS IN CONNECTION WITH ANY BUSINESS, LOSS OF ANY GOODWILL, OR DAMAGES) RESULT-ING FROM THE USE OF OR INABILITY TO USE THE SOFTWARE. EVEN IF PIONEER HAS BEEN INFORMED OF, KNEW OF, OR SHOULD HAVE KNOWN OF THE LIKELIHOOD OF SUCH DAMAGES. THIS LIMITATION APPLIES TO ANY AND ALL CAUSES OF ACTION INDIVI-DUALLY OR IN THE AGGREGATE, INCLUDING WITHOUT LIMITATION BREACH OF CON-TRACT, BREACH OF WARRANTY, NEGLI-GENCE, STRICT LIABILITY,

MISREPRESENTATION, AND OTHER TORTS. IF PIONEER'S WARRANTY DISCLAIMER OR LIMITATION OF LIABILITY SET FORTH IN THIS AGREEMENT SHALL OR FOR ANY REASON WHATSOEVER BE HELD UNENFORCEABLE OR INAPPLICABLE, YOU AGREE THAT PIONEER'S LIABILITY SHALL NOT EXCEED FIFTY PERCENT (50 %) OF THE PRICE PAID BY YOU FOR THE ENCLOSED PIONEER PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty disclaimer and limitation of liability shall not be applicable to the extent that they are prohibited by any applicable federal, state or local law which provides that such a disclaimer or limitation cannot be waived or preempted.

4 EXPORT LAW ASSURANCES

You agree and certify that neither the Software nor any other technical data received from Pioneer, nor the direct product thereof, will be exported outside the United States except as authorized and as permitted by the laws and

regulations of the United States. If the Software has been rightfully obtained by you outside of the United States, you agree that you will not re-export the Software nor any other technical data received from Pioneer, nor the direct product thereof, except as permitted by the laws and regulations of the United States and the laws and regulations of the jurisdiction in which you obtained the Software.

5 TERMINATION

This Agreement is effective until terminated. You may terminate it at any time by destroying the Software. The Agreement also will terminate if you do not comply with any terms or conditions of this Agreement. Upon such termination, you agree to destroy the Software.

6 U.S. GOVERNMENT END USERS

If the Software is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, the Data is licensed with "Limited Rights". Utilization of the Software is subject to the restrictions specified in the "Rights in Technical Data" clause at DFARS 252.227-7013, or the equivalent clause for non-defense agencies. Pioneer Electronics (USA) Inc., 1925 E. Dominguez Street, Long Beach, CA 90810.

7 MISCELLANEOUS

This is the entire Agreement between Pioneer and you regarding its subject matter. No change in this Agreement shall be effective unless agreed to in writing by Pioneer. Pioneer retailers do not have the authority to change this Agreement. This Agreement shall be governed by and construed in accordance with the internal laws of the State of California. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect.

PIONEER CNSD-230FM - for Canada

THIS IS A I FGAL AGREEMENT BETWEEN YOU, AS THE END USER, AND PIONEER ELECTRONICS OF CANADA. INC. ("PIONEER"), PLEASE READ THE TERMS AND CONDITIONS OF THIS AGREEMENT CARE-FULLY BEFORE USING THE SOFTWARE IN-STALLED ON THE PIONEER PRODUCTS, BY USING THE SOFTWARE INSTALLED ON THE PIONEER PRODUCTS, YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREE-MENT. THE SOFTWARE INCLUDES A DATA-BASE LICENSED BY THIRD PARTY SUPPLIER (S) ("SUPPLIERS"), AND YOUR USE OF THE DATABASE IS COVERED BY THE SUPPLIERS' SEPARATE TERMS. WHICH ARE ATTACHED TO THIS AGREEMENT (Refer to page 15), IF YOU DO NOT AGREE WITH ALL OF THESE TERMS, PLEASE RETURN THE PIONEER PRO-DUCTS (INCLUDING THE SOFTWARE, AND ANY WRITTEN MATERIALS) WITHIN FIVE (5) DAYS OF RECEIPT OF THE PRODUCTS, TO THE AUTHORIZED PIONEER DEALER FROM WHICH YOU PURCHASED THEM, USE OF THE SOFTWARE SHALL BE DEFMED TO BE YOUR CONSENT TO THE LICENSE AGREE-MENT.

1 GRANT OF LICENSE

Pioneer grants to you a non-transferable, non exclusive license to use the software installed on the Pioneer products (the "Software") and the related documentation solely for your own personal use or for internal use by your business, only on such Pioneer products. You shall not copy, reverse engineer, translate, port, modify or make derivative works of the Software. You shall not loan, rent, disclose, publish, sell, assign, lease, sublicense, market or otherwise transfer the Software or use it in any manner not expressly authorized by this agreement. You shall not derive, or attempt to derive, the source code or structure of all or any portion of the Software by reverse engineering, disassembly, decompilation, or any

other means. You shall not use the Software to operate a service bureau or for any other use involving the processing of data for other persons or entities.

Pioneer and its licensor(s) shall retain all copyright, trade secret, patent and other proprietary ownership rights in the Software. The Software is copyrighted and may not be copied, even if modified or merged with other products. You shall not alter or remove any copyright notice or proprietary legend contained in or on the Software.

You may transfer all of your license rights in the Software, the related documentation and a copy of this License Agreement to another party, provided that the party reads and agrees to accept the terms and conditions of this License Agreement.

2 DISCLAIMER OF WARRANTY

The Software and related documentation are provided to you "AS IS". PIONEER AND ITS LI-CENSOR(S) (for the purpose of provisions 2 and 3. Pioneer and its licensor(s) shall be collectively referred to as "Pioneer") MAKES AND YOU RECEIVE NO WARRANTY FOR THE SOFT-WARE, WHETHER EXPRESS OR IMPLIED. AND ALL WARRANTIES OF MERCHANTABIL-ITY AND FITNESS FOR ANY PARTICULAR PURPOSE FOR THE SOFTWARE ARE EX-PRESSLY EXCLUDED. SOME STATES DO NOT ALLOW EXCLUSION OF IMPLIED WARRAN-TIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. The Software is complex and may contain some nonconformities, defects or errors. Pioneer does not warrant that the Software will meet your needs or expectations. that operation of the Software will be error free or uninterrupted, or that all nonconformities can or will be corrected. Furthermore, Pioneer does not make any representations or warranties regarding the use or results of the use of the Software in terms of its accuracy, reliability or otherwise.

3 LIMITATION OF LIABILITY

IN NO EVENT SHALL PIONEER BE LIABLE FOR ANY DAMAGES, CLAIM OR LOSS IN-CURRED BY YOU (INCLUDING, WITHOUT LIM-ITATION, COMPENSATORY, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES, LOST PROFITS, LOST SALES OR BUSINESS, EXPENDITURES, IN-VESTMENTS. OR COMMITMENTS IN CON-NECTION WITH ANY BUSINESS, LOSS OF ANY GOODWILL, OR DAMAGES) RESULTING FROM THE USE OF OR INABILITY TO USE THE SOFTWARE, EVEN IF PIONEER HAS BEEN INFORMED OF, KNEW OF, OR SHOULD HAVE KNOWN OF THE LIKELIHOOD OF SUCH DAMAGES. THIS LIMITATION APPLIES TO ALL CAUSES OF ACTION IN THE AGGRE-GATE, INCLUDING WITHOUT LIMITATION BREACH OF CONTRACT, BREACH OF WAR-RANTY, NEGLIGENCE, STRICT LIABILITY, MIS-REPRESENTATION, AND OTHER TORTS. IF PIONEER'S WARRANTY DISCLAIMER OR LIMITATION OF LIABILITY SET FORTH IN THIS AGREEMENT SHALL OR FOR ANY REASON WHATSOEVER BE HELD UNENFORCEABLE OR INAPPLICABLE, YOU AGREE THAT PIONEER'S LIABILITY SHALL NOT EXCEED FIFTY PERCENT (50%) OF THE PRICE PAID BY YOU FOR THE ENCLOSED PIONEER PRO-DLICT

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty disclaimer and limitation of liability shall not be applicable to the extent that they are prohibited by any applicable federal, state or local law which provides that such a disclaimer or limitation cannot be waived or preempted.

4 EXPORT LAW ASSURANCES

You agree and certify that neither the Software nor any other technical data received from Pioneer, nor the direct product thereof, will be exported outside Canada except as authorized and as permitted by the laws and regulations of Canada. If the Software has been rightfully

obtained by you outside of Canada, you agree that you will not re-export the Software nor any other technical data received from Pioneer, nor the direct product thereof, except as permitted by the laws and regulations of Canada and the laws and regulations of the jurisdiction in which you obtained the Software.

5 TERMINATION

This Agreement is effective until terminated. You may terminate it at any time by destroying the Software. The Agreement also will terminate if you do not comply with any terms or conditions of this Agreement. Upon such termination, you agree to destroy the Software.

6 MISCELLANEOUS

This is the entire Agreement between Pioneer and you regarding its subject matter. No change in this Agreement shall be effective unless agreed to in writing by Pioneer. Pioneer retailers do not have the authority to change this Agreement. This Agreement shall be governed by and construed in accordance with the internal laws of the Province of Ontario and the federal laws of Canada applicable therein. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect.

TERMS AND CONDITIONS FOR THE TELE ATLAS DATA

End User Licensing Terms

THIS IS A LEGAL AGREEMENT (THE "AGREEMENT") BETWEEN YOU, THE END USER, AND PIONEER and its licensors of Data product (sometimes collectively "Licensors"). BY USING YOUR COPY OF THE LICENSED DATA, YOU AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT.

1 Grant of License.

Licensors grant you a non-transferable, nonexclusive license to use the map data and business points of interest information (the "POIs") owned by Tele Atlas, (together, the "Data") contained on these discs, solely for personal, noncommercial use and not to operate a service bureau or for any other use involving the processing of data of other persons or entities. You may not copy, reproduce, modify, make derivative works, derive the structure of or reverse engineer the Data. The Data is restricted for use with the PIONEER Product(s). The Data contains confidential and proprietary information and materials, and may contain trade secrets, so you agree to hold the Data in confidence and in trust and not to disclose the Data or any portions in any form, including by renting, leasing, publishing, leasing, sublicensing or transferring the Data to any third party. You are explicitly prohibited from downloading the digital maps and programmes contained in the Data or from transferring these to another data carrier or computer. You are prohibited from removing or obscuring any copyright, trademark notice or restricted legend.

2 Ownership.

The Data is copyrighted by Tele Atlas and its Licensors and they retain all ownership rights in the Data. You agree not to alter, remove, obliterate, or obscure any copyright notice or proprietary legend contained in or on the Data.

3 Limitation of Liability.

TELE ATLAS, PIONEER AND THEIR SUPPLI-FRS SHALL NOT BE LIABLE TO ANY END USERS FOR ANY INCIDENTAL, CONSEQUEN-TIAL, SPECIAL, INDIRECT OR EXEMPLARY DAMAGES ARISING OUT OF THIS AGREE-MENT, INCLUDING LOST PROFITS OR COSTS OF COVER, LOSS OF USE OR BUSINESS IN-TERRUPTION OR THE LIKE, REGARDLESS OF WHETHER THE PARTY WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOTWITHSTANDING ANYTHING TO THE CON-TRARY CONTAINED HEREIN, TELE ATLAS AND PIONEER AND THEIR SUPPLIERS. SHALL HAVE NO MONETARY LIABILITY TO ANY END USERS FOR ANY CAUSE (REGARD-LESS OF THE FORM OF ACTION) UNDER OR RELATING TO THIS AGREEMENT.

4 Warranty Disclaimer.

THE DATA IS PROVIDED ON AN "AS IS" AND "WITH ALL FAULTS BASIS" AND TELE ATLAS. PIONEER, ITS LICENSORS, AND ITS LI-CENSED DISTRIBUTORS AND SUPPLIERS (COLLECTIVELY, "SUPPLIERS") EXPRESSLY DISCLAIM ALL OTHER WARRANTIES. EX-PRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, EF-FECTIVENESS, COMPLETENESS, ACCURACY, TITLE AND FITNESS FOR A PARTICULAR PUR-POSE. TELE ATLAS, PIONEER, ITS LICENSORS AND SUPPLIERS DO NOT WARRANT THAT THE DATA WILL MEET YOUR REQUIREMENTS. OR THAT THE OPERATION OF THE DATA WILL BE UNINTERRUPTED OR ERROR FREE. NO ORAL OR WRITTEN ADVICE GIVEN BY TELE ATLAS, PIONEER, ITS LICENSORS, SUP-PLIERS OR ANY OF THEIR RESPECTIVE EM-PLOYEES CREATES A WARRANTY OR IN ANY WAY INCREASES TELE ATLAS', PIONEER'S. ITS LICENSORS' OR SUPPLIERS' LIABILITY. AND YOU MAY NOT RELY ON ANY SUCH IN-FORMATION OR ADVICE. THIS DISCLAIMER IS AN ESSENTIAL CONDITION OF THIS AGREEMENT AND YOU ACCEPT THE DATA ON THIS BASIS.

5 Termination.

This Agreement will terminate immediately and automatically, without notice, if you breach any term of this Agreement. You agree that in the event of termination of the Agreement, you shall return the Data (including all documentation and all copies) to PIONEER and its suppliers.

Indemnity.

You agree to indemnify, defend and hold PIONEER, its Licensors, and its suppliers (including their respective licensors, suppliers, assignees, subsidiaries, affiliated companies. and the respective officers, directors, employees, shareholders, agents and representatives) free and harmless from and against any liability, loss, injury (including injuries resulting in death), demand, action, cost, expense, or claim of any kind or character, including but not limited to attorney's fees, arising out of or in connection with any breach by you of any term of this Agreement.

U.S. GOVERNMENT RIGHTS.

If End User is an agency, department, or other entity of the United States Government, or funded in whole or in part by the United States Government, then use, duplication, reproduction, release, modification, disclosure or transfer of this commercial product and accompanying documentation, is restricted in accordance with the LIMITED or RESTRICTED rights as described in any applicable DFARS or FAR. In case of conflict between any of the FAR and/or DFARS that may apply to the Licensed Tele Atlas Product, the construction that provides greater limitations on the Government's rights shall control. Contractor/ manufacturer is Tele Atlas North America. Inc., 11 Lafavette Street, Lebanon, NH 03766-1445. Phone: 603.643, 0330. The Licensed Tele Atlas Products are © 2006-2011 by Tele Atlas. ALL RIGHTS RESERVED. For purpose of any public disclosure provision under any federal, state or local law, it is agreed that the Licensed Tele Atlas Products are a trade secret and a

proprietary commercial product and not subiect to disclosure.

Additional provisions for Tele Atlas® Premium Points of Interest (the "POIs"). With respect to the POI Licensed Tele Atlas Products:

End User specifically agrees that End User shall not:

- (a) except as otherwise specifically set forth herein. license or otherwise provide the POI Licensed Tele Atlas Products to any third party for the purposes of resale, sublicensing, redistribution or for the purpose of compiling, enhancing, verifying, supplementing, adding to or deleting from any mailing list, geographic or trade directories, business directories, classified directories, classified advertising which is sold, rented, published, furnished or in any manner provided to a third party:
- (b) make the POI Licensed Tele Atlas Products available in an on-line environment unless properly secured and/or encrypted to prevent unauthorized access to the POI Licensed Tele Atlas Products: and
- (c) use the POI Licensed Tele Atlas Products. either in whole or in part, as a factor in (i) establishing an individual's eligibility for credit or insurance; (ii) connection with underwriting individual insurance: (iii) evaluating an individual for employment or promotions, reassignment or retention as an employee; (iv) in connection with a determination of an individual's eligibility for a license or other benefit granted by a governmental authority; or (v) for soliciting survivors of deceased persons. (d) create mailing or telemarketing lists unless
- authorized in this Agreement.
- (e) End User will house the POI Licensed Tele Atlas Products on the Internet behind firewalls and will implement a system of controls that will (i) protect the integrity of the POI Licensed Tele Atlas Products: (ii) control access to the POI Licensed Tele Atlas Products and (iii) prevent unauthorized usage or copying of the POI Licensed Tele Atlas Products.

(f) End User shall display the POI Licensed Tele Atlas Product copyright notice at all times in conjunction with the Tele Atlas copyright notice. As of the Effective Date of this Agreement, the copyright notice for the POI Licensed Tele Atlas Product is:



9 Additional provisions for Tele Atlas® Brand Icon Licensed Tele Atlas Product (the "Brand Icon Licensed Tele Atlas Product"):

- a End User's use of the Brand Icon Licensed Tele Atlas Product and any portion thereof. is limited to use solely for the purpose of enhancing the value and/or use of the spatial vector data furnished or made by Tele Atlas. Notwithstanding anything to the contrary herein, or in any attachment or exhibit hereto, in no event shall End User use the Brand Icon Licensed Tele Atlas Product or any portion thereof in connection with or in conjunction with spatial street vector data furnished or made by a party other than Tele Atlas. End User may only use the icons, brand names, logos, trademarks or other features within (and not separate from) the map data. In addition, End User shall not modify or alter the color, shape, size, and orientation of the Brand Icon Licensed Tele Atlas Product as provided to End User without Tele Atlas's prior written approval.
- b End User agrees that the use of Brand Icon Licensed Tele Atlas Product subject to the terms and conditions set forth in this Agreement and that there may be additional third party terms, conditions and restrictions to which the use of the Brand Icon Licensed Tele Atlas Product will be subject provided to the End User from time to time in the release notes applicable to the Value Added Product.

10 Copyright Notices.

End User shall allow the display of the then current copyright notice for the Licensed Tele Atlas Products on the initial splash screen, in the code, on the storage medium, on the packaging, in the "Help/About" section, in the operator's manual, and in any displayed or printed map image, for each Value Added Product that is based upon:

1 Tele Atlas® MultiNet® North America: As of the Effective Date, the copyright notice is: "© 2006 - 2011 Tele Atlas. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned or licensed to Tele Atlas. Tele Atlas is an authorized distributor of selected Statistics Canada computer files under Agreement number 6776. The product includes information copied with permission from Canadian authorities, including @ Canada Post Corporation, Geo-Base®, and Department of Natural Resources Canada, All rights reserved. The product is sourced in part from Geography Division, Statistics Canada, 2008 Road Network File (RNF), 92-500-XWE/XWF. The incorporation of data sources from Statistics Canada within this product shall not be construed as constituting an endorsement by Statistics Canada of such product. The use of this material is subject to the terms of a License Agreement. You will be held liable for any unauthorized copying or disclosure of this material."

11 Miscellaneous.

This is the exclusive and complete Agreement between the Licensors and you regarding its subject matter. Nothing in this Agreement shall create a joint venture, partnership or principal-agent relationship between the Licensors and you. The internal laws of the State of California shall govern this Agreement and you consent to the jurisdiction of California. Sections 2, 5 and 6 - 10 shall survive the expiration or termination of this Agreement. This Agreement may be amended, altered, or modified only by PIONEER. You may not assign any part of this Agreement without PIONEER's prior written consent. You acknowledge and understand that the Data may be subject to restrictions on exportation and agree to comply with any applicable export laws. In the event that any provision or part of a provision of this Agreement is determined to be invalid, illegal, or unenforceable, such provision or part thereof shall be stricken from this Agreement and the remainder of this Agreement shall be valid, legal, and enforceable to the maximum extent possible. Any notice under this Agreement shall be delivered by courier to PIONEER, Attention Legal Department, Pioneer Electronics (USA) Inc., 1925 E. Dominquez Street, Long Beach, CA 90810.

About the database

About the data for the map database

- Modifications related to roads, streets/highways, terrain, construction and other things before/during the development period may not be reflected in this database. Inevitably, those modifications after that period are not reflected in this database.
- Regardless of existing and newly-built things, the data may be different from the actual condition.
- For details about the map coverage of this navigation system, refer to the information on our website.
- It is strictly prohibited to reproduce and use any part or the whole of this map in any form without permission from the copyright owner.
- If the local traffic regulations or conditions deviate from this data, follow the local traffic regulations (such as signs, indications, etc.) and conditions (such as construction, weather, etc.).
- The traffic regulation data used in the map database applies only to standard sized passenger vehicles. Note that regulations for larger vehicles, motorbikes, and other non-standard vehicles are not included in the database.
- As for Map Version, Tele Atlas. Rel. 09/2010.
- © 2011 INCREMENT P CORP. ALL RIGHTS RESERVED. ■

Instructions for upgrading

The navigation system upgrade process

- 1 Check the device number of your navigation system.
 - For details of the operation, refer to Checking the device number on this page.



- 2 Get the password for authentication.
 - → For details, refer to Getting the password for authentication on this page.



- 3 Upgrade the software program of your navigation system.
 - For details of the operation, refer to Upgrading the software program and the map database on the next page.



- 4 Check whether the upgrade was done properly.
 - For details of the operation, refer to Checking whether the upgrade was done properly on page 22.

Preparation for upgrade Checking the device number

First, check your device number (DEVICE NUMBER, displayed such as Device # or Device Number) of your navigation system for later procedures. To display the device number, do the following.

1 Touch [Home] on the map screen.

The "Top Menu" screen appears.

2 Touch [Settings].

The "Settings Menu" screen appears.

3 Touch [Service Info].

The "Service Information Screen" screen appears.

- 4 Write down your device number (Device Number) onto the supplied Media Number Card (MEDIA NUMBER CARD) to avoid mistakes.
 - Also write down "Version" information which would be used to confirm completion of the update.

Getting the password for authentication

For upgrade, a unique password issued online is necessary. Access the website with your PC and get your password.

The following information is required.

- Media Number (MEDIA NUMBER) printed on supplied Media Number Card (MEDIA NUMBER CARD)
- Device Number (DEVICE NUMBER) of your navigation system
- If you don't have the web-connected computer for the online issuance of password, please contact your Authorized Pioneer Electronics retailer or call the companies listed at "After-sales service for Pioneer products on page 8".

Instructions for upgrading

1 Access on the following website to issue your password.

http://www.pioneernavigationupdate.com In Canada:

http://www.pioneernavigationupdate.ca
For issuing the password, follow the instruction on the website.

2 Record the password that you received.

You need to input this password accurately. Write down your password to avoid mistakes.

Upgrade procedures

NEVER stop the engine of your vehicle or turn off the power supply to the navigation system until the installation is completed. Turning the power off during upgrade process causes a malfunction or failure of the navigation system.

Upgrading the software program and the map database

This section describes the upgrade procedures for your navigation system.

- ☐ The upgrade takes approximately 20 minutes in total.
- 1 Start the engine to boot up the system.

2 Press the MODE button of the AV receiver.

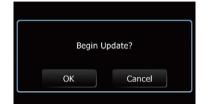
After a short pause, the navigation screen appears.

- □ The display will turn off if you press the MODE button of the AV receiver immediately after the navigation system restarts, so wait (approximately 10 seconds) after restart before pressing the MODE button.
- 3 Park your vehicle in a safe place and apply the parking brake.

4 Insert the upgrade SD memory card into the SD card slot.

The message confirming whether or not to start the update will appear.

5 Touch [OK].



6 Touch [Yes].



After a short pause, the keyboard for entering the password will appear.

■ Touch [No].

Shows the device number (Device #) of your navigation system.

■ Touch [Cancel]. Cancels the update.

7 Enter the password for authentication that you obtained, then touch [OK].



A message confirming whether to restart the navigation system appears.

Instructions for upgrading

8 Touch [OK].

The navigation system restarts and then the installation begins.

9 Wait until the upgrade process is complete.



After the installation is complete, the navigation system restarts.

Checking whether the upgrade was done properly

Display "Service Information Screen" screen to compare the current version number with the previous one.

1 Touch [Home] on the map screen.

The "Top Menu" screen appears.

2 Touch [Settings].

The "Settings Menu" screen appears.

- 3 Touch [Service Info].
- 4 Check the version information.

Changes on the upgraded program

Functions and procedures not described in this manual are basically the same as when you purchased the navigation system. For details of the basic functions and procedures, refer to Operation Manual supplied with your navigation system.

If you upgrade your navigation system using this SD memory card, the system will have the following changes.

Searching for a name by entering characters

When you enter characters on a search screen, the system will automatically search the database for all possible options. Only the characters you enter are active.

Troubleshooting

Problems in the procedures for updating

Symptom	Cause	Action
The upgrade process doesn't start and the navigation system boots up as usual.	An incorrect SD memory card has been inserted.	Eject the inserted SD memory card and insert the correct upgrade SD memory card.
	Upgrade has been already done.	Check whether the upgrade was done properly. If the upgrade has not been done yet, consult the nearest authorized service station.
	The screen that cannot begin the upgrade process is displayed.	Eject the upgrade SD memory card, and display the map of your current position, and then reinsert the card.
The navigation system does not work properly after upgrade.	The engine of your vehicle was stopped or the power supply to the navigation system was turned off during upgrade process.	Consult the nearest authorized service station.
	Upgrade SD memory card was pulled out during upgrade process.	Consult the nearest authorized service station.

Messages in the procedures for updating

The following messages may be displayed by your navigation system. Refer to the table below to identify the problem, then take the suggested corrective action.

There are occasions when you may see error messages other than those shown here. In such a case, follow the instructions given on the display.

Message	When	What to do
An error occurred and the update failed.	Unexpected error occurred in the update process.	Consult your local Pioneer dealer if this message persist.



Register your product at

http://www.pioneerelectronics.com

in Canada http://www.pioneerelectronics.ca

See "Visit our website" page

PIONEER CORPORATION

1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, JAPAN

PIONEER ELECTRONICS (USA) INC.

P.O. Box 1540, Long Beach, California 90801-1540, U.S.A.

TEL: (800) 421-1404

PIONEER EUROPE NV

Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium/Belgique TEL: (0) 3/570.05.11

PIONEER ELECTRONICS ASIACENTRE PTE. LTD.

253 Alexandra Road, #04-01, Singapore 159936

TEL: 65-6472-7555

PIONEER ELECTRONICS AUSTRALIA PTY. LTD.

5 Arco Lane, Heatherton, Victoria, 3202, Australia

TEL: (03) 9586-6300

PIONEER ELECTRONICS OF CANADA, INC.

340 Ferrier Street, Unit 2, Markham, Ontario L3R 2Z5, Canada

TEL: 1-877-283-5901 TEL: 905-479-4411

PIONEER ELECTRONICS DE MEXICO, S.A. de C.V.

Blvd.Manuel Avila Camacho 138 10 piso

Col.Lomas de Chapultepec, Mexico, D.F. 11000

TEL: 55-9178-4270

先鋒股份有限公司

總公司:台北市中山北路二段44號13樓

電話: (02) 2521-3588

先鋒電子(香港)有限公司

香港九龍尖沙明海港城世界商業中心9樓901-6室

電話: (0852) 2848-6488

© 2011 PIONEER CORPORATION. All rights reserved.