

Sequence Data Analysis Software
DNASIS[®] MAX

**Installation Manual
Stand-alone Version**

Part No. C-51125-10203

Introduction

Thank you for choosing DNASIS[®] MAX. This manual provides detailed installation instructions for DNASIS[®] MAX stand-alone version.

First Edition 2004.03

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Software Operating Environment

Hardware	Pentium® or higher microprocessor computer. (Pentium® III 600MHz is recommended for optimal performance.)
OS	Windows®98/ Windows®Me/ Windows NT®4.0 (SP6 and higher)/ Windows®2000/ Windows®XP (The above refers to English language versions of the OS mentioned)
RAM	128MB or more.
Other	<ul style="list-style-type: none">• 100MB of hard disk space or more.• CD-ROM drive (required for the initial installation).• 1,024×768 display, with 256-colors.• Internet Explorer 4.0.1 or higher.• Dedicated Internet connectivity is recommended.• Plasmid map display functionality: Windows NT®/Windows®2000/ Windows®XP is required.• For the optional Phred/Phrap package, 1GB of space or more is recommended.

During Installation

Please note the following terms for installation.

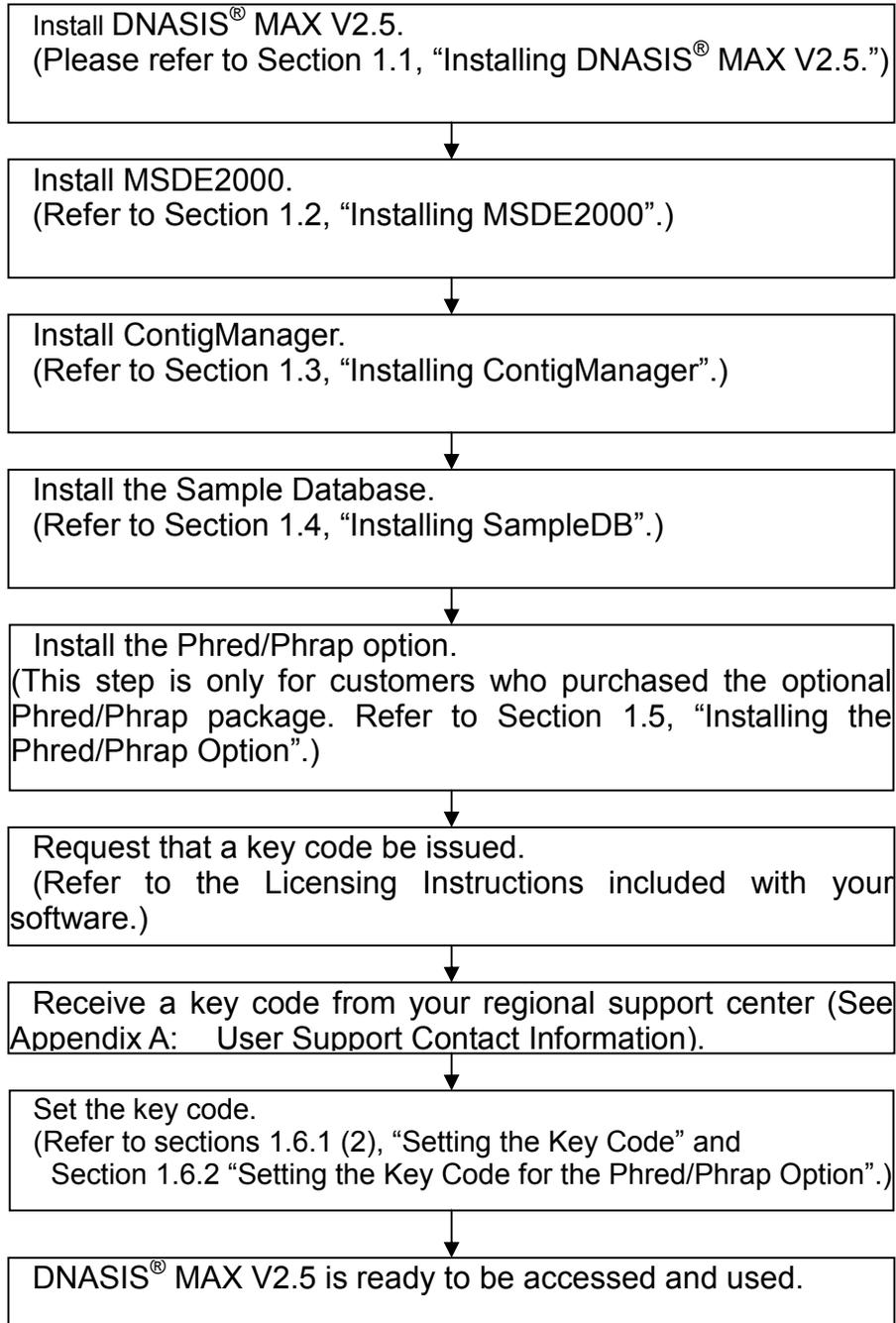
(1). During installation, you must log in as a user with administrative privileges (i.e. the “administrator” account).

(2). When upgrading a previous installation of DNASIS Max with this stand-alone version of DNASIS Max, please make sure the previous version is also a stand-alone version, not the network version. If you have any questions about this, please contact your regional support center (see Appendix A for more information).

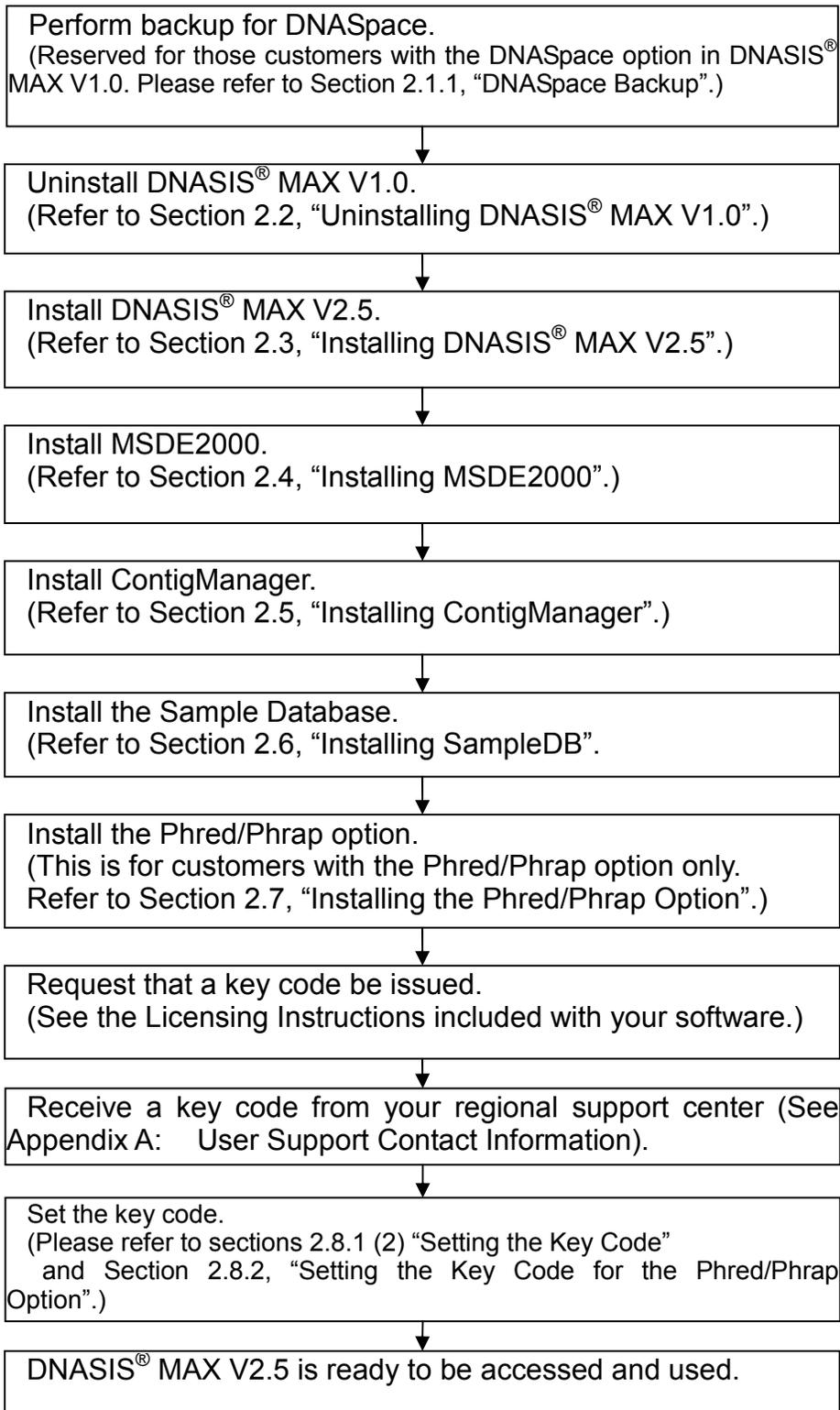
Using DNASIS MAX

The required steps for installing DNASIS Max are illustrated below.

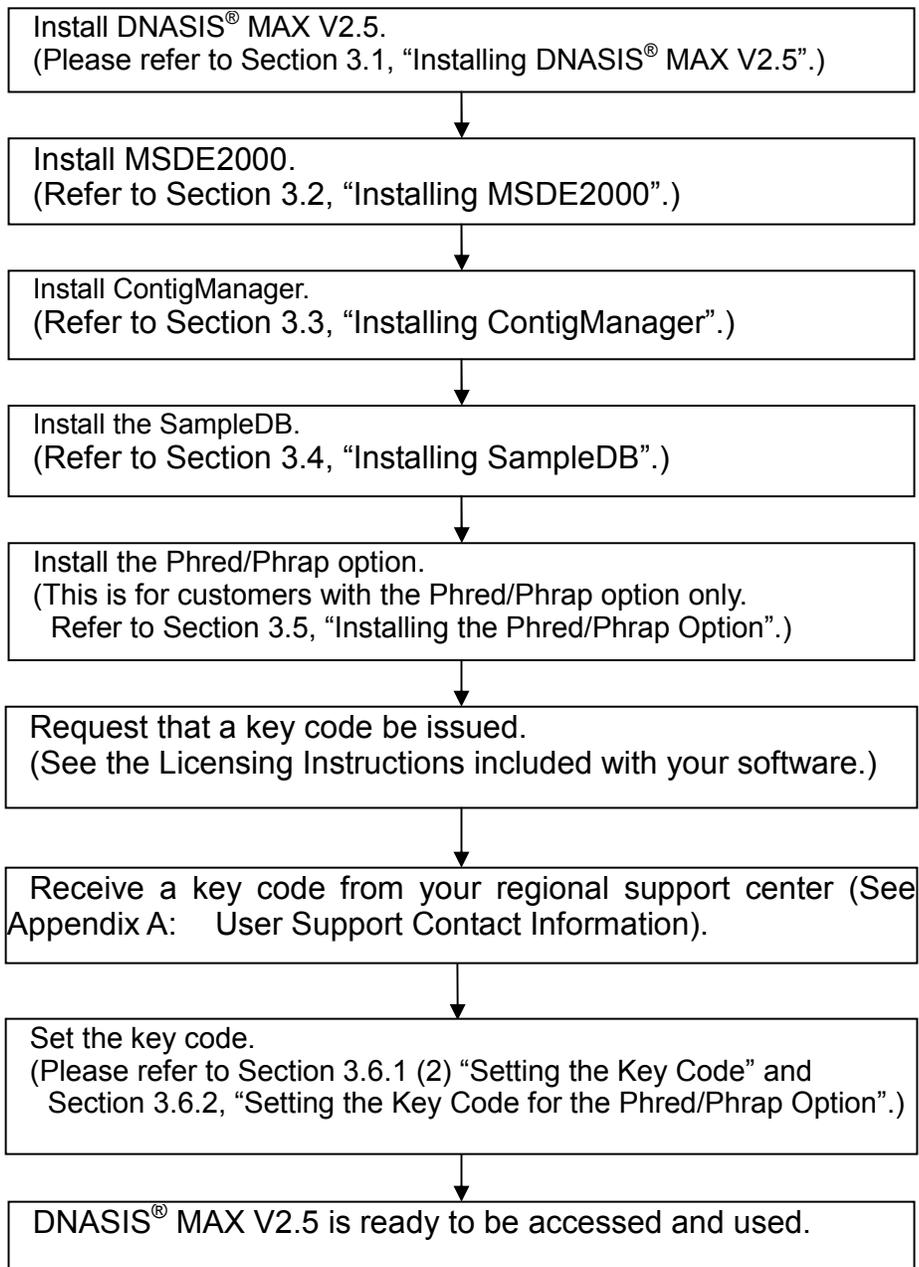
(1) Installing a New Installation of DNASIS® MAX V2.5 (Not Upgrading).



(2) Upgrading from DNASIS[®] MAX V1.0 to DNASIS[®] MAX V2.5



(3) Upgrading from DNASIS[®] MAX V2.0 to DNASIS[®] MAX V2.5



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Chapter 1 DNASIS® MAX V2.5 New Installation

1.1 Installing DNASIS® MAX V2.5

***Note: Administrative privileges are required for this installation.**

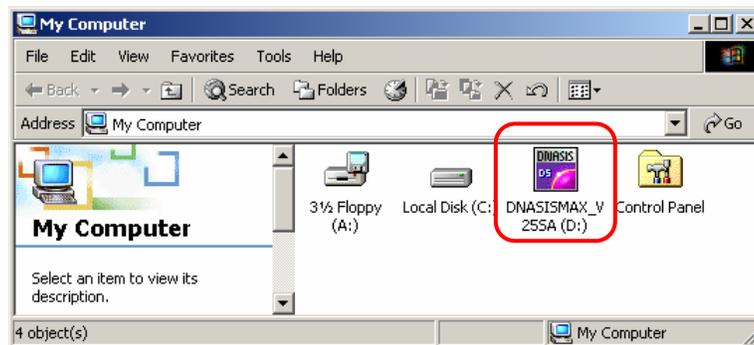
This section gives instructions for a new installation of DNASIS MAX V2.5. If you are upgrading from a previous version of DNASIS MAX, please see the upgrade instructions below.

Insert the DNASIS® MAX into the CD drive. The installation screen will automatically launch.

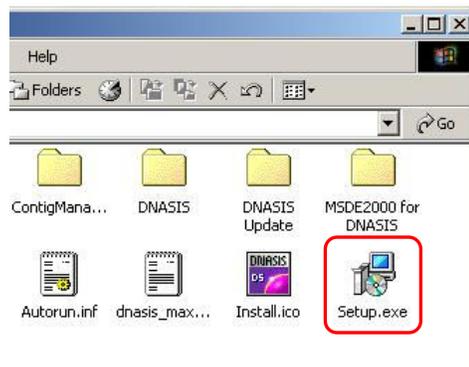
Note: If the screen does not launch automatically, double-click the 'My Computer' icon.



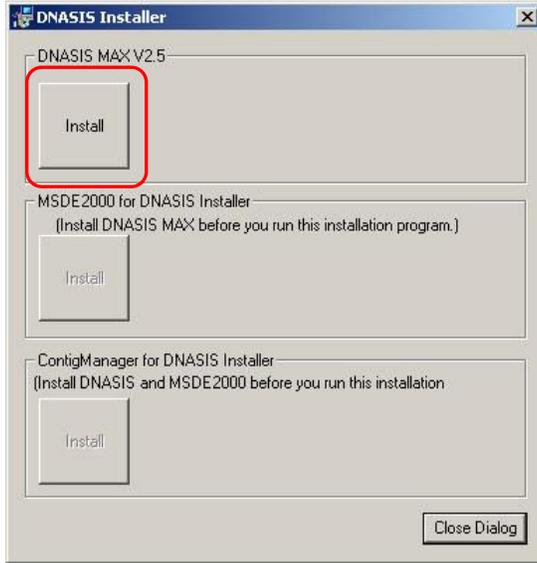
Double-click the Compact Disc icon to open the drive.



Double-click [Setup.exe] file, and display the installer dialog.



The installer dialog shown below will be displayed.



Click the [Install] button for [DNASIS MAX V2.5] to begin the installation of DNASIS[®] MAX V2.5.

If you click the [Install] button and the dialog shown below appears, DNASIS[®] MAX V1.0 is already installed on your PC. Please refer to Chapter 2, “Updating from DNASIS[®] MAX V1.0 to V2.5”.



When the installation is complete, the [DNASIS Key Code Manager] dialog, used for setting up the key code, will be displayed.

Note that [DNASIS Key Code Manager] may actually be displayed in the background of the installer dialog.

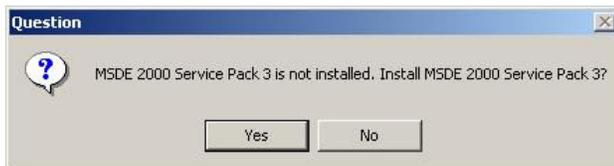
Note that when DNASIS[®] MAX V2.5 is installed, the [Phred/Phrap Option] will still display the version as [V2.0] but this does not affect product functionality.



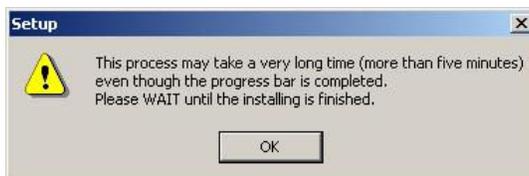
Click the [OK] button, and close the [DNASIS Key Code Manager] dialog.
Now, install MSDE2000 following the instructions in the section below.

1.2 Installing MSDE2000

- *MSDE2000 is a database engine from Microsoft Corporation and is required for using ContigManager. Please refer to Section 1.3, “Installing ContigManager”, for more information.
- *Once [DNASIS MAX V2.5] is installed, the [MSDE2000] [Install] button is activated.
- *If a version prior to MSDE2000 SP3 is already installed, the message below will be displayed.



- If you choose [No] and cancel the installation, ContigManager will not be installable.
- *If MSDE2000 SP3 is already installed, the [Install] button will not be activated. Please skip this section and move forward to Section 1.3, “Installing ContigManager”.
- Click the [Install] button for [MSDE2000 for DNASIS Installer] and install MSDE2000. The installation will take more than five minutes. A message asking you to wait until the installation is complete will be displayed.
- Click the [OK] button to start the installation.



Once the MSDE2000 installation is complete, you will need to restart your PC. If you do not reboot after the MSDE2000 installation, ContigManager will not install correctly.

After restarting, double-click [Setup.exe] from the DNASIS® MAX installation CD.
Now, refer to the section below to install ContigManager.

1.3 Installing ContigManager

***Note: Administrative privileges are required for this installation.**

*After installing MSDE2000, the [Install] button for [ContigManager for DNASIS Installer] will be activated.

Click the [Install] button for [ContigManager for DNASIS Installer] to install ContigManager. A dialog will be displayed, announcing the completion of the installation, so click the [Finish] button to exit and close the installer.

Now, refer to the section below to install SampleDB.

1.4 Installing SampleDB

*To conduct the tutorial included in the DNASIS MAX User's Manual, installing SampleDB is required. Be sure to first install ContigManager, then install SampleDB.

1.4.1 What is SampleDB?

SampleDB refers to the sample database for use with DNASIS® MAX. It is comprised of SequenceDB and BlastDB.

SequenceDB stores DNA and Amino Acid sequences; you can use Sequence DB Manager to display and edit sequences. It is also used for Smith-Waterman searches.

The BlastDB is a database reserved for Blast searches, and is used for local Blast searches in DNASIS® MAX.

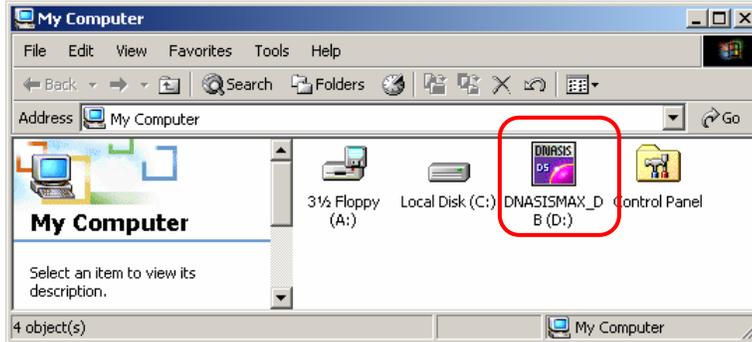
1.4.2 Installation

Insert the SampleDB Installation CD into the CD drive. The installer screen will launch automatically.

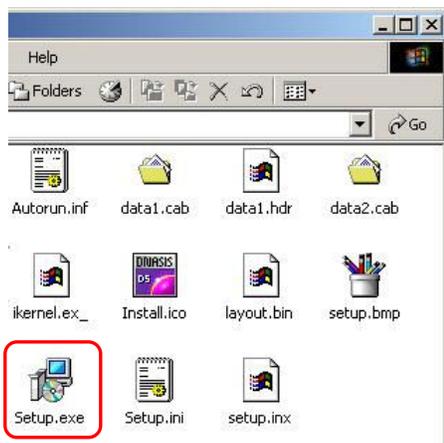
Note: If the screen does not launch automatically, double-click the 'My Computer' icon.



Double-click the Compact Disc icon to open the drive.



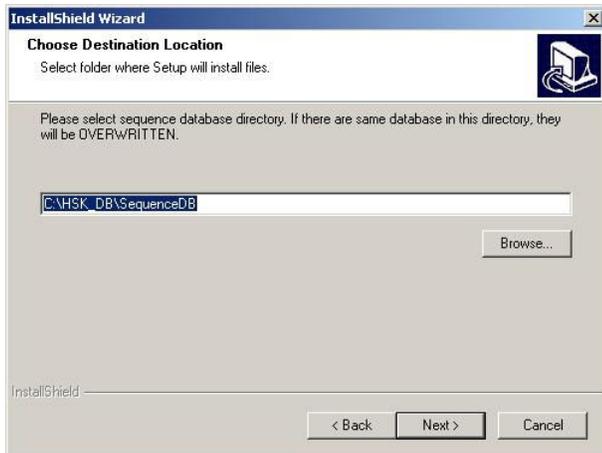
Double-click [Setup.exe] file, and display the installer dialog.



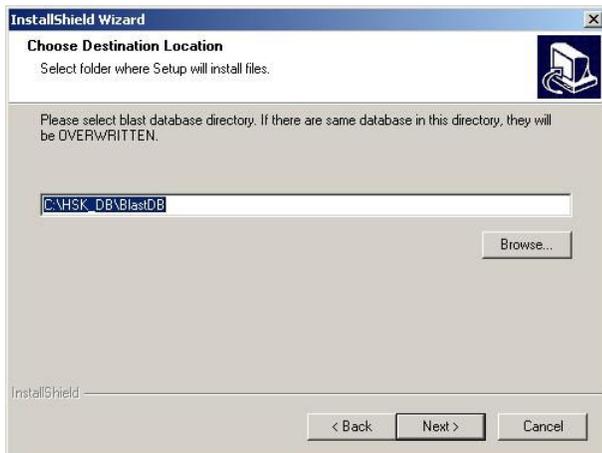
The dialog shown below will be displayed, so click the [Next] button to continue.



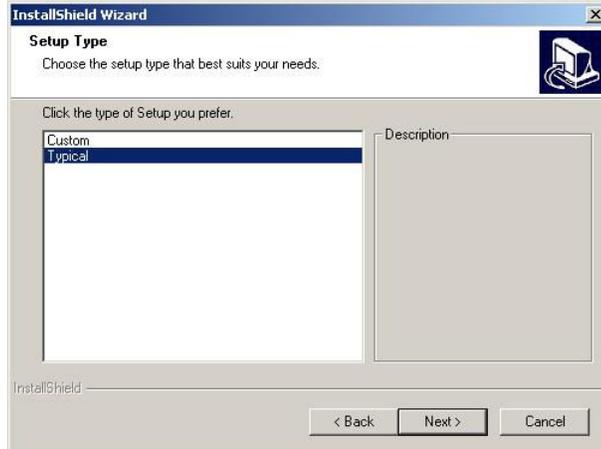
Next, specify the installation location for SequenceDB. (The initial default location is to install it in the folder below the HSK_DB folder specified during the installation of DNASIS® MAX.) If you choose a location other than the default location, make sure there are no spaces in the path name of your database.



Next, specify the installation location for BlastDB. (The initial default location is to install it in the folder below the HSK_DB folder specified during the installation of DNASIS® MAX.) If you choose a location other than the default location, make sure there are no spaces in the path name of your database.



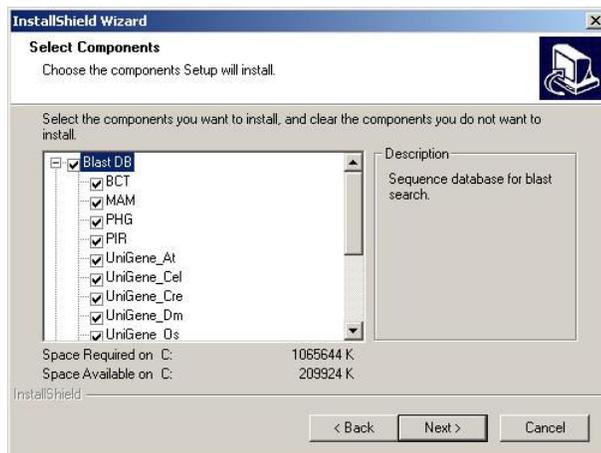
Next, specify the installation method.



If you choose [Custom], you may select the databases to install. If you choose [Typical], all databases that are registered (Sequence DB has 2, Blast DB has 13) will be installed.

If you choose [Custom], click the [Next] button for the following dialog. Put check marks next to those components you want to install, and then click the [Next] button to start the installation.

If you choose [Typical], click the [Next] button to continue; the dialog will not be displayed.



Once installation is complete, a dialog will be displayed, so click the [Finish] button to exit the installer.



1.5 Installing the Phred/Phrap Option

(For those customers with the Phred/Phrap option only)

***Note: Administrative privileges are required for this installation.**

Please note: Before installing the Phred/Phrap option, launch DNASIS[®] MAX once. If you do not launch DNASIS[®] MAX at least once before installing the Phred/Phrap option, the Phred/Phrap feature may not function correctly.

Insert the Phred/Phrap Option Installation CD into the CD drive to start the installation process.

Note: If the screen does not launch automatically, double-click the 'My Computer' icon, double-click on the Compact Disc icon, double-click [Setup.exe] and start the installation procedure.

[DNASIS Key Code Manager] will launch, so click the [OK] button and close the dialog.

1.6 Setting Key Codes

To use DNASIS[®] MAX and its optional features, a key code is required. Please obtain and set up the key code before using the product.

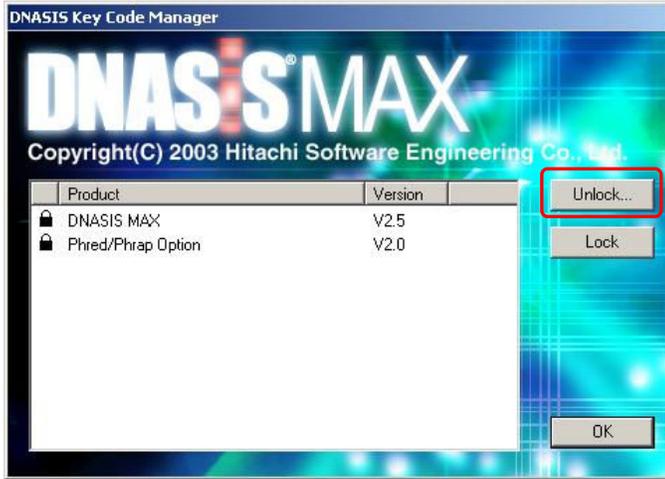
The key code needs to be set up only once during the initialization procedure. Once set, the key code does not need to be reentered.

1.6.1 Setting Key Codes for DNASIS[®] MAX

(1) Obtaining a Machine ID and the Key Code

Choose [Start]->[Programs]->[DNASIS MAX]->[Key Code Manager] and launch [DNASIS Key Code Manager].

Click the [Unlock....] button.



The [Unlock Product] dialog will be displayed; the [Machine ID] is displayed in the center row.



*Note that the [Machine ID] is unique for each PC.

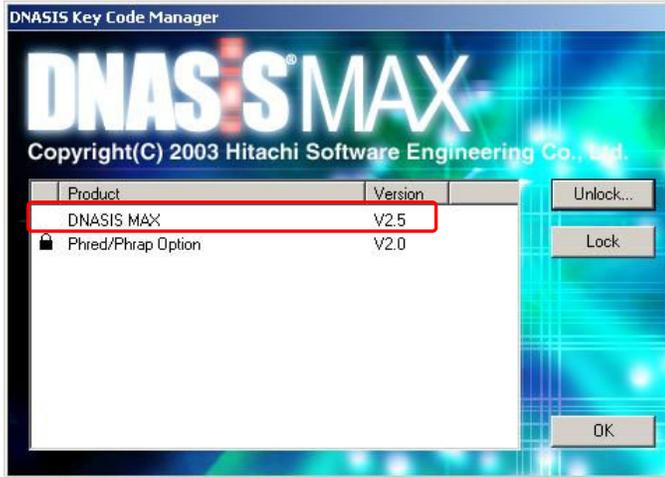
To obtain a key code, please refer to the Licensing Instructions included in the software packaging.

*Your DNASIS® MAX software includes a unique validation code, and your regional support center will only generate a single key code per validation code. The key code is only valid for a given machine ID. This means, for each copy of DNASIS® MAX you purchase, you can only run that copy of DNASIS® MAX on a single computer. This machine ID will change if you upgrade or reinstall your operating system, and you will require a new key code to unlock the DNASIS®. Should your computer become damaged and you need to reinstall the DNASIS®, you will need to contact your regional support center (See Appendix A) and apply to have the key code for your copy of DNASIS® reissued.

(2) Setting the Key Code

***Note: Administrative privileges are required for setting the key code.**

Input the key code sent from your regional support center in the [Key Code] field in the [Unlock Product] dialog, and click the [OK] button. When the lock icon disappears in [DNASIS Key Code Manager] then the key code has been set, and DNASIS® MAX may be launched.



*Note: This [Key Code] field is case-sensitive. Be sure to select the correct case for each letter when entering the key code.

1.6.2 Setting Key Codes for the Phred/Phrap Option

***Note: Administrative privileges are required for setting the key code.**

DNASIS® MAX offers support for the Phred/Phrap option. Once Phred/Phrap is installed, you will need to input a key code to access this feature.

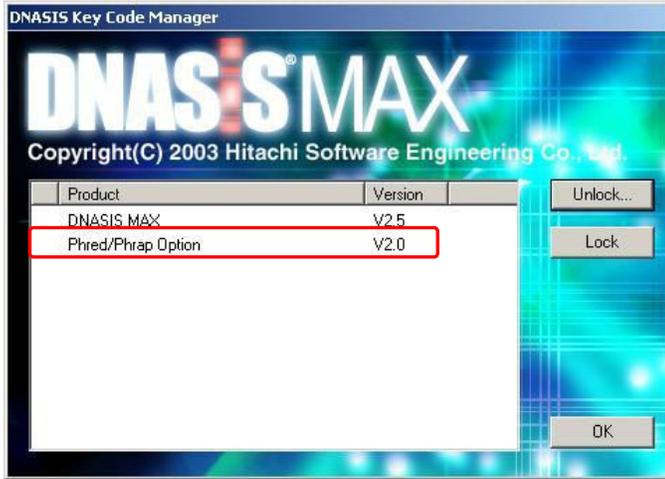
Open the [DNASIS Key Code Manager] dialog, as shown in the steps above. Choose the [Phred/Phrap Option] and click the [Unlock...] button.

The [Unlock Product] dialog will be displayed. Make sure that the [Product Key] field is set to [Phred/Phrap Option V2.0].



Enter the key code you obtained for the Phred/Phrap option, and click the [OK] button.

When the lock icon to the left of the “Phred/Phrap Option” field disappears in [DNASIS Key Code Manager], the the Phred/Phrap option has been enabled and may be used.



Chapter 2 Updating from DNASIS® MAX V1.0 to V2.5

2.1 DNASIS® MAX V1.0 Backup

2.1.1 Database Backup

The databases installed during the installation of DNASIS® MAX V1.0 will be deleted when DNASIS® MAX V1.0 is removed.

We recommend that you back up those databases that you have modified and added to.

The procedure is as follows:

1. Move to the folder where the database is stored.
2. If installed according to initial default values, from [My Computer] choose Local Disc(C:) and open the [HSK_DB] folder.
3. Copy the database file contained in the file to another folder, and perform backup.

<u>DNASIS® MAX Database Storage Folder</u>
--

[AAMotifDB], [BlastDB], [GenomeDB], [NAMotifDB], [MultipleAlignmentProfile], [SequenceDB]
--

Reconstructing Data

After installing DNASIS® MAX V2.5 copy the backup file to the folder with the corresponding database.

2.1.2 Vector Data Backup

To backup Vector data, use the [Vector Database Manager] from DNASIS® MAX.

1. Launch DNASpace and choose the option [Vector Database Manager] from the [Database] menu.
2. The [Vector Database Manager] will launch.
3. Choose the vector data to backup, and click the [Export...] button to save it in a separate folder.

Reconstructing Data

After installing DNASIS® MAX V2.5 launch [Vector Database Manager] and click the [Import...] button to import the backup file.

2.1.3 Space Backup

(For those customers with the DNASpace option only)

When DNASIS® MAX V1.0 is removed, any custom Space that you created will also be removed. We recommend that you back up those Spaces that you have created.

The procedure is as follows:

1. Launch DNASpace.
2. Choose [File], then [Open Space].
3. A list of possible Spaces will be displayed. Choose the Space to backup, and click the [Export...] button.
4. The [Save As] dialog will be displayed. Set the location and file name for saving, and click the [Save] button.
5. The [Export Space] dialog will be displayed. If the Space includes data, check the box for the [Include Data] option.
6. Click the [Export] button and backup the Space.

Reconstructing Data

After installing DNASIS[®] MAX V2.5 display the [Open Space] dialog in DNASpace, and click the [Import...] button to import the exported file.

2.2 Uninstalling DNASIS[®] MAX V1.0

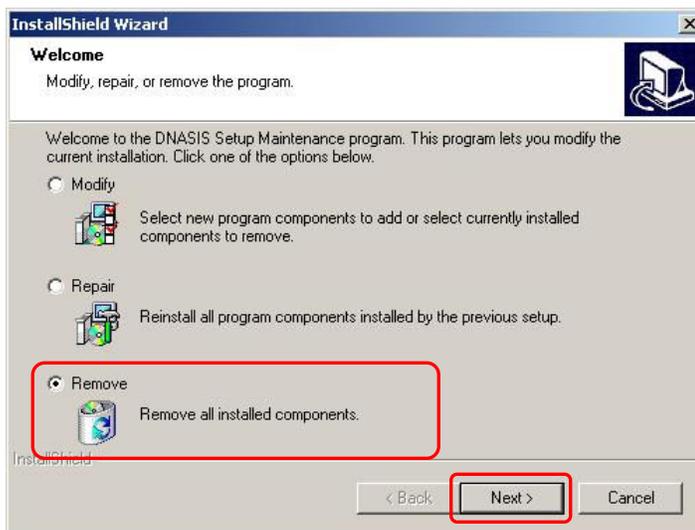
***Note: Administrative privileges are required for this uninstallation.**

Exit any programs related to DNASIS MAX (including ContigManager, DNASpace and DNASpace Scheduler).

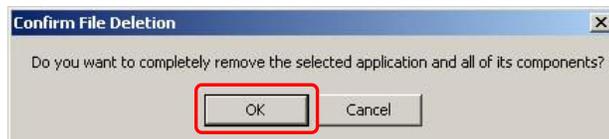
Choose [Start]->[Settings]->[Control Panel]. From the [Add/Remove Programs] menu, choose [DNASIS] and click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog shown below will be displayed. Click the [OK] button.



Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

2.3 Installing DNASIS® MAX V2.5

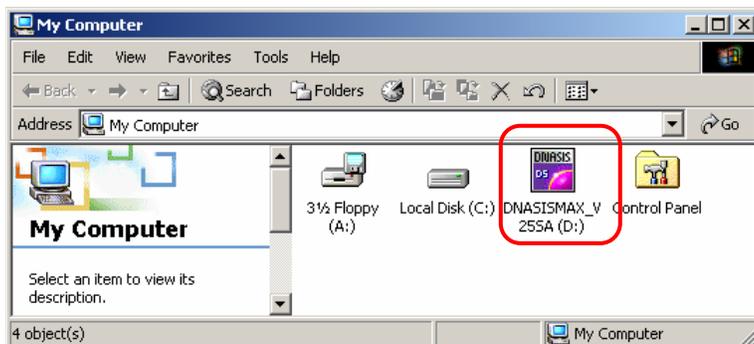
***Note: Administrative privileges are required for this installation.**

Insert the DNASIS® MAX installer CD into the CD drive. The installation screen will launch automatically.

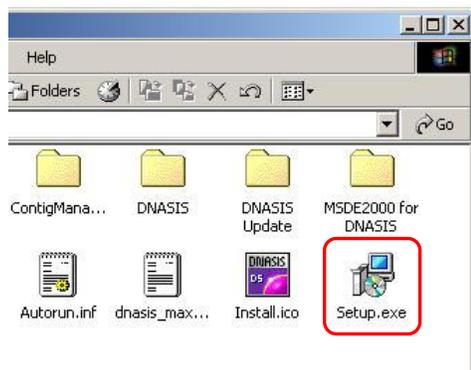
Note: If the screen does not launch automatically, double-click the 'My Computer' icon.



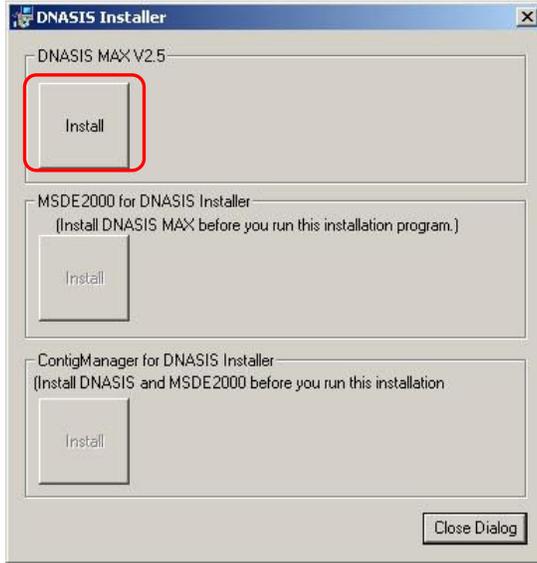
Double-click the Compact Disc icon to open the drive.



Double-click [Setup.exe] file, and display the installer dialog.



The installer dialog shown below will be displayed.

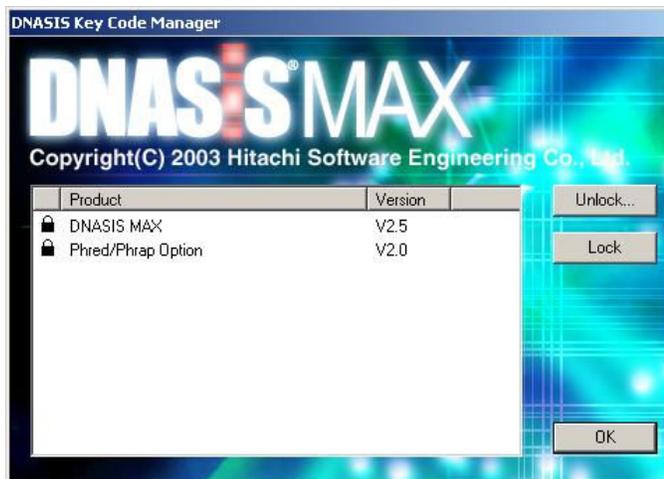


Choose the [Install] button for [DNASIS MAX V2.5] and click it to install DNASIS® MAX V2.5.

When the installation is complete, the [DNASIS Key Code Manager] dialog, used for setting up the key code, will be displayed.

Note that [DNASIS Key Code Manager] may actually be displayed in the background of the installer dialog.

Note that when DNASIS® MAX V2.5 is installed, the [Phred/Phrap Option] will still display the version as [V2.0] but this does not affect product functionality.



Click the [OK] button to close the [DNASIS Key Code Manager] dialog. Refer to the section below to install MSDE2000.

2.4 Installing MSDE2000

*MSDE2000 is a database engine from Microsoft Corporation, and is required for using ContigManager. Please refer to Section 2.5, "Installing ContigManager", for more information.

*Once [DNASIS MAX V2.5] is installed, the [MSDE2000] [Install] button is activated.

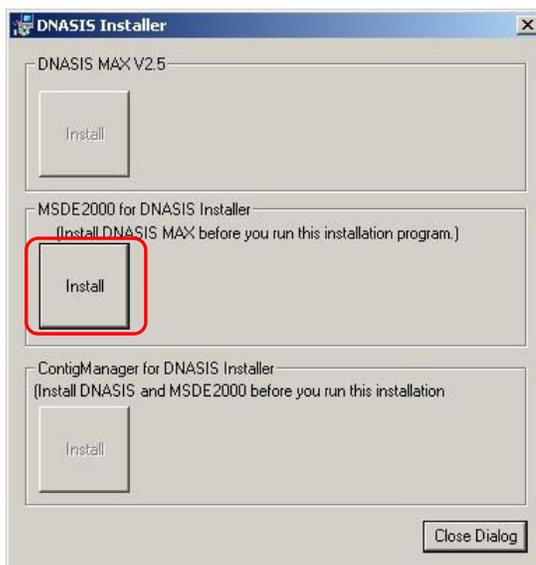
*If a version prior to MSDE2000 SP3 is already installed, the message below will be displayed.



If you choose [No] and cancel the installation, ContigManager will not be installable.

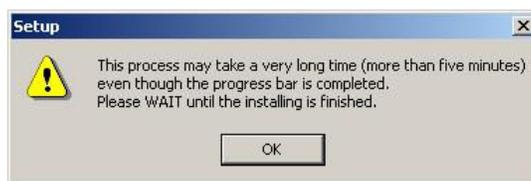
*If MSDE2000 SP3 is already installed, the [Install] button will not be activated. Please skip this section and move forward to Section 2.5, "Installing ContigManager".

Choose the [Install] button for [MSDE2000 for DNASIS Installer] to install MSDE2000.



The installation will take more than five minutes. A message asking you to wait until the installation is complete will be displayed.

Click the [OK] button to start the installation.



Once the MSDE2000 installation is complete, you will need to restart your PC. If you do not reboot after the MSDE2000 installation, ContigManager will not install correctly.

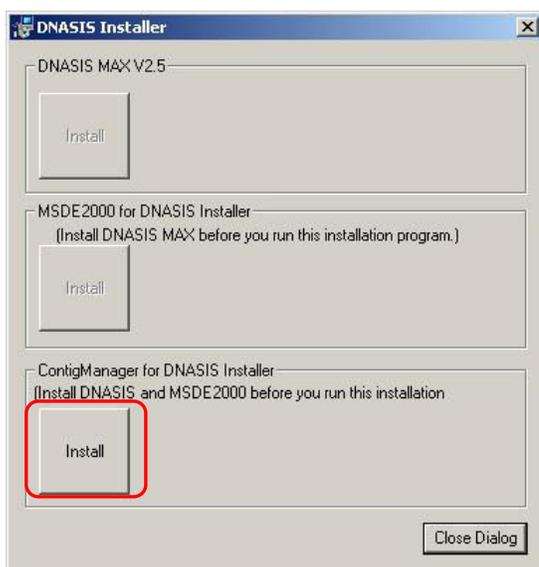
After restarting, double-click [Setup.exe] from the DNASIS® MAX installation CD.
Now, refer to the section below to install ContigManager.

2.5 Installing ContigManager

***Note: Administrative privileges are required for this installation.**

*Once MSDE2000 is installed, the [Install] button for [ContigManager for DNASIS Installer] will become activated.

Click the [Install] button for [ContigManager for DNASIS Installer] to begin installing ContigManager.



A dialog will be displayed when the installation is completed. Click the [Finish] button to end the installer.

Refer to the following section to install the SampleDB.

2.6 Installing SampleDB

To conduct the tutorial included in the DNASIS MAX User's Manual, installing SampleDB is required. Be sure to first install ContigManager, then install SampleDB.

2.6.1 What is SampleDB?

SampleDB refers to the sample database for use with DNASIS® MAX. It is comprised of SequenceDB and BlastDB.

SequenceDB stores DNA and Amino Acid sequences; you can use Sequence DB Manager to display and edit sequences. It is also used for Smith-Waterman searches.

The Blast DB is a database reserved for Blast searches, and is used for local Blast searches

in DNASIS® MAX.

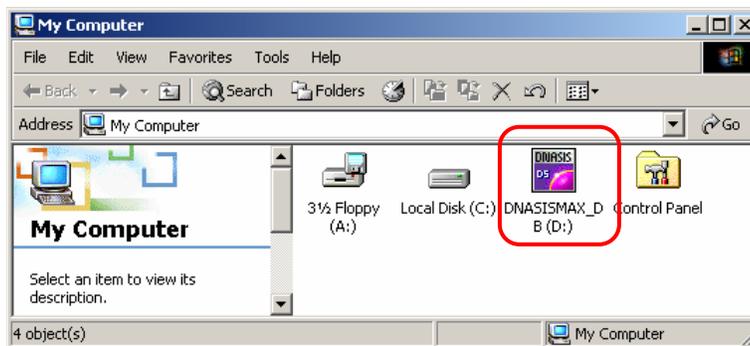
2.6.2 Installation

Insert the SampleDB installer CD into the CD drive. The install screen will launch automatically.

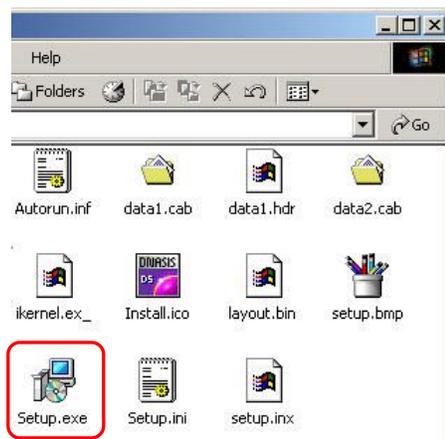
Note: If the screen does not launch automatically, double-click the 'My Computer' icon.



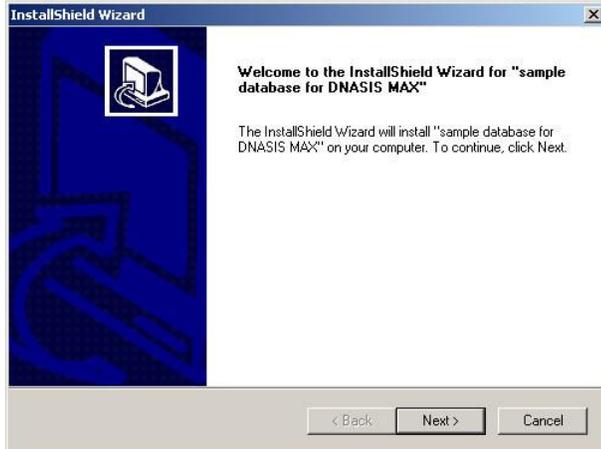
Double-click the Compact Disc icon to open the drive.



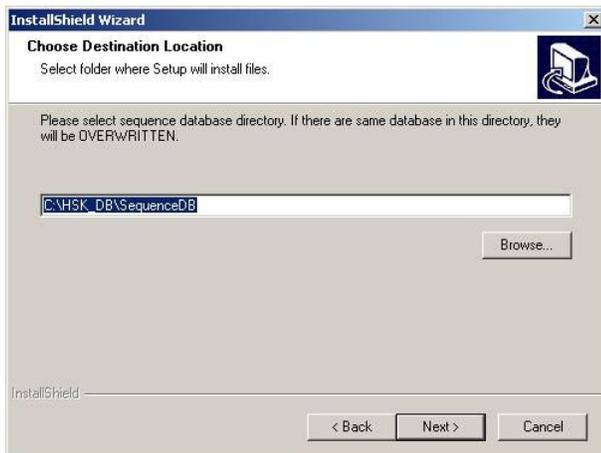
Double-click [Setup.exe] file, and display the installer dialog.



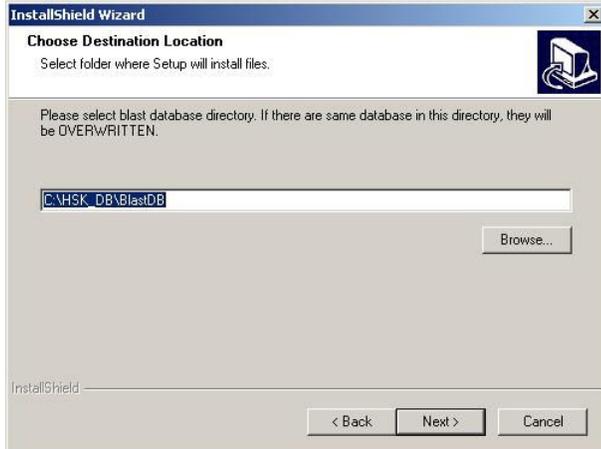
The dialog shown below will be displayed, so click the [Next] button to continue.



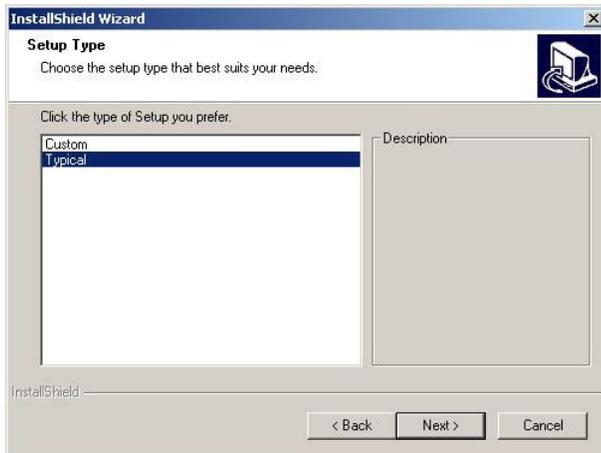
Next, specify the installation location for SequenceDB. (The initial default location is to install it in the folder below the HSK_DB folder specified during the installation of DNASIS[®] MAX.) If you choose a location other than the default location, make sure there are no spaces in the path name of your database.



Next, specify the installation location for BlastDB. (The initial default location is to install it in the folder below the HSK_DB folder specified during the installation of DNASIS[®] MAX.) If you choose a location other than the default location, make sure there are no spaces in the path name of your database.



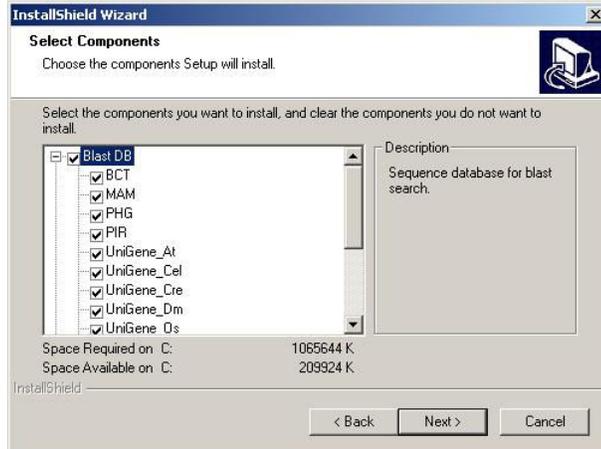
Next, specify the installation method.



If you choose [Custom], you may select the databases to install. If you choose [Typical], all databases that are registered (Sequence DB has 2, Blast DB has 13) will be installed.

If you choose [Custom], click the [Next] button for the following dialog. Put check marks next to those components you want to install, and then click the [Next] button to start the installation.

If you choose [Typical], click the [Next] button to continue; the dialog will not be displayed.



Once installation is complete, a dialog will be displayed, so click the [Finish] button to exit the installer.



2.7 Installing the Phred/Phrap Option

(For those customers with the Phred/Phrap option only)

Please note: Before installing the Phred/Phrap option, launch DNASIS[®] MAX once. If you do not launch DNASIS[®] MAX at least once before installing the Phred/Phrap option, the Phred/Phrap feature may not function correctly.

Insert the Phred/Phrap Option Installation CD into the CD drive to start the installation process.

Note: If the screen does not launch automatically, double-click the 'My Computer' icon, double-click on the Compact Disc icon, double-click [Setup.exe] and start the installation procedure.

[DNASIS Key Code Manager] will launch, so click the [OK] button and close the dialog.

2.8 Setting Key Codes

To use DNASIS[®] MAX and its optional features, a key code is required. Please obtain and set up the key code before using the product.

The key code needs to be set up only once, during the initialization procedure. Once set, the key code does not need to be reentered.

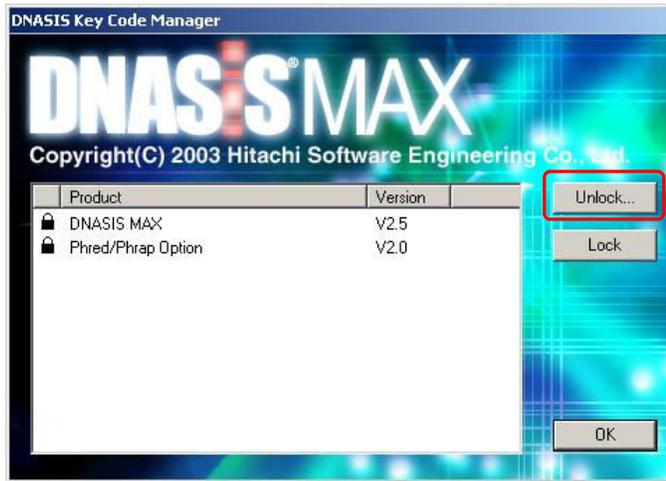
2.8.1 Setting Key Codes for DNASIS® MAX

***Note: Administrative privileges are required for this installation.**

(1) Obtaining a machine ID and the Key Code

Choose [Start]->[Programs]->[DNASIS MAX]->[Key Code Manager] and launch [DNASIS Key Code Manager].

Click the [Unlock....] button.



The [Unlock Product] dialog will be displayed; the [Machine ID] is displayed in the center row.



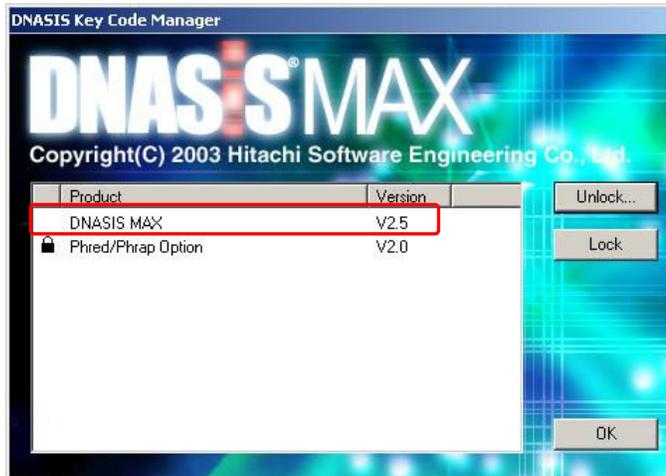
*Note that the [Machine ID] is unique for each PC.

To obtain a key code, please refer to the Licensing Instructions included in the software packaging.

*Your DNASIS® MAX software includes a unique validation code, and your regional support center will only generate a single key code per validation code. The key code is only valid for a given machine ID. This means, for each copy of DNASIS® MAX you purchase, you can only run that copy of DNASIS® MAX on a single computer. This machine ID will change if you upgrade or reinstall your operating system, and you will require a new key code to unlock the DNASIS®. Should your computer become damaged and you need to reinstall the DNASIS®, you will need to contact your regional support center (See Appendix A) and apply to have the key code for your copy of DNASIS® reissued.

(2) Setting the Key Code

Input the key code sent from your regional support center in the [Key Code] field in the [Unlock Product] dialog, and click the [OK] button. When the lock icon disappears in [DNASIS Key Code Manager] then the key code has been set and DNASIS[®] MAX may be launched.



*Note: This [Key Code] field is case-sensitive. Be sure to select the correct case for each letter when entering the key code.

2.8.2 Setting Key Codes for the Phred/Phrap Option

***Note: Administrative privileges are required for this installation.**

DNASIS[®] MAX offers support for the Phred/Phrap option. Once DNASIS[®] MAX is installed, you will need to input a key code to access this feature.

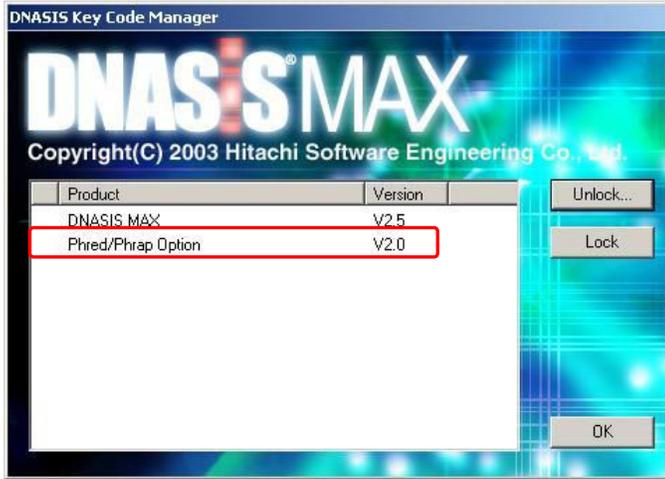
Display the [DNASIS Key Code Manager] dialog, as in the steps outlined above. Choose the [Phred/Phrap Option] and click the [Unlock...] button.



The [Unlock Product] dialog will be displayed. Make sure that the [Product Key] field is set to [Phred/Phrap Option V2.0].

Enter the key code you obtained for the Phred/Phrap option, and click the [OK] button.

If the lock icon to the left of the “Phred/Phrap Option” field disappears in [DNASIS Key Code Manager], then the Phred/Phrap option has been enabled and may be used.



Chapter 3 Upgrading from DNASIS® MAX V2.0 to V2.5

3.1 Installing DNASIS® MAX V2.5

***Note: Administrative privileges are required for this installation.**

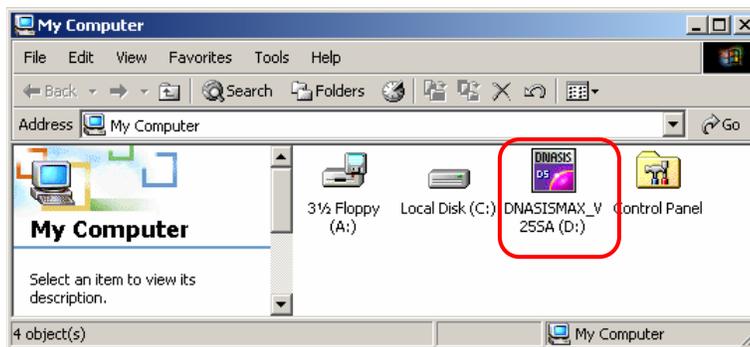
Exit any programs related to DNASIS MAX (including ContigManager, DNASpace and DNASpace Scheduler).

Insert the DNASIS® MAX Installer CD into the CD drive. The installation screen will launch automatically.

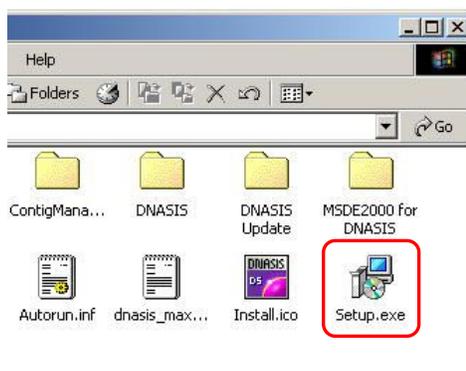
Note: If the screen does not launch automatically, double-click the 'My Computer' icon.



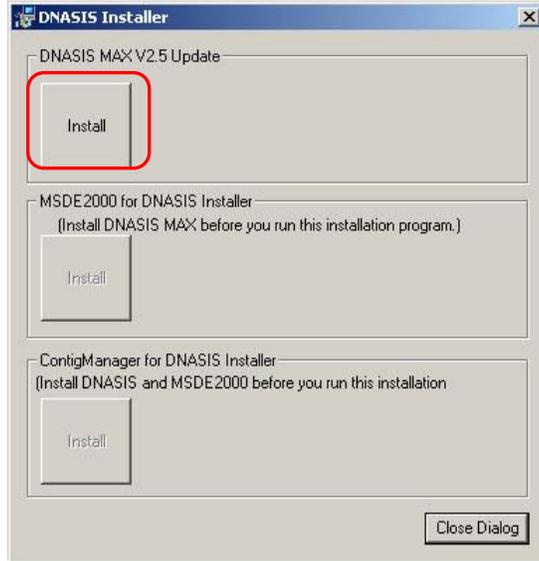
Double-click the Compact Disc icon to open the drive.



Double-click [Setup.exe] file, and display the installer dialog.



The installer dialog shown below will be displayed.



Select the [Install] button for [DNASIS MAX Update V2.5] to begin the installation procedure for DNASIS® MAX V2.5.

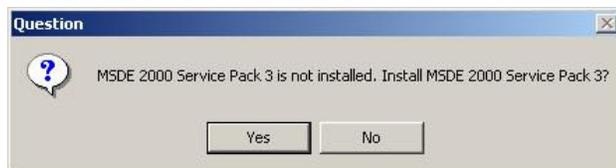
Refer to the section below to install MSDE2000.

3.2 Installing MSDE2000

*MSDE2000 is a database engine from Microsoft Corporation, and is required for using ContigManager. Please refer to Section 3.3, “Installing ContigManager”, for more information.

*Once [DNASIS MAX V2.5] is installed, the [MSDE2000] [Install] button is activated.

*If a version prior to MSDE2000 SP3 is already installed, the message below will be displayed.



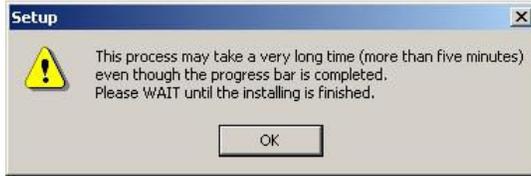
If you choose [No] and cancel the installation, ContigManager will not be installable.

*If MSDE2000 SP3 is already installed, the [Install] button will not be activated. Please skip this section and move forward to Section 3.3, “Installing ContigManager”.

Click the [Install] button for [MSDE2000 for DNASIS Installer] to install MSDE2000.

The installation will take more than five minutes. A message asking you to wait until the installation is complete will be displayed.

Click the [OK] button to start the installation.



Once the MSDE2000 installation is complete, you will need to restart your PC. If you do not reboot after the MSDE2000 installation, ContigManager will not install correctly.

After restarting, double-click [Setup.exe] from the DNASIS[®] MAX installation CD.
Now, refer to the section below to install ContigManager.

3.3 Installing ContigManager

***Note: Administrative privileges are required for this installation.**

*Once MSDE2000 is installed, the [Install] button for [ContigManager for DNASIS Installer] will become activated.

Click the [Install] button for [ContigManager for DNASIS Installer] to begin installing ContigManager.

A dialog will be displayed, announcing the completion of the installation, so click the [Finish] button to exit and close the installer.

Now, refer to the section below to install SampleDB.

3.4 Installing SampleDB

*To conduct the tutorial included in the DNASIS MAX User's Manual, installing SampleDB is required. Be sure to first install ContigManager, then install SampleDB.

3.4.1 What is SampleDB?

SampleDB refers to the sample database for use with DNASIS[®] MAX. It is comprised of SequenceDB and BlastDB.

SequenceDB stores DNA and Amino Acid sequences; you can use Sequence DB Manager to display and edit sequences. It is also used for Smith-Waterman searches.

The Blast DB is a database reserved for Blast searches, and is used for local Blast searches in DNASIS[®] MAX.

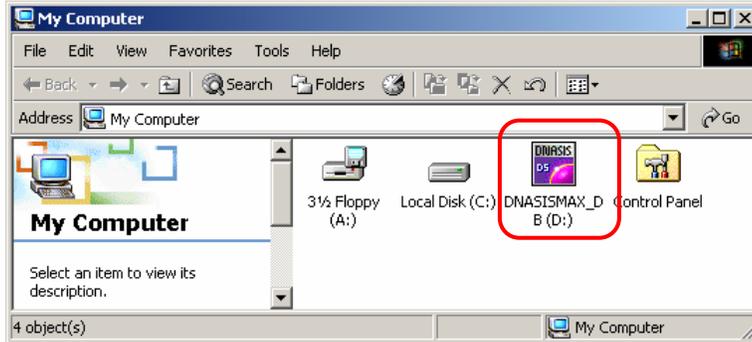
3.4.2 Installation

Insert the SampleDB Installation CD into the CD drive. The installer screen will launch automatically.

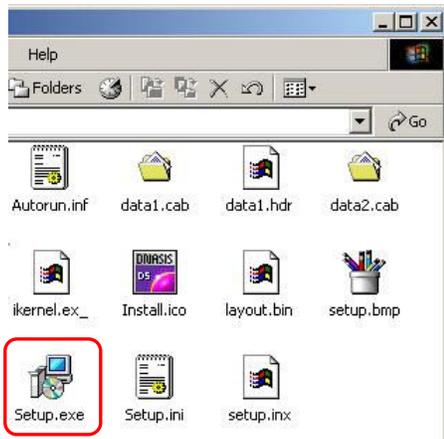
Note: If the screen does not launch automatically, double-click the 'My Computer' icon.



Double-click the Compact Disc icon to open the drive.



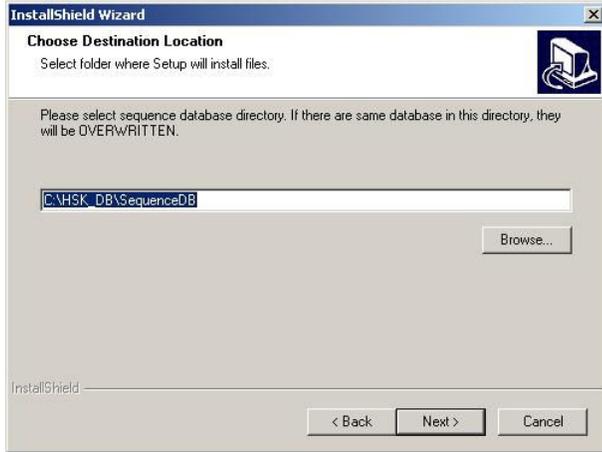
Double-click [Setup.exe] file, and display the installer dialog.



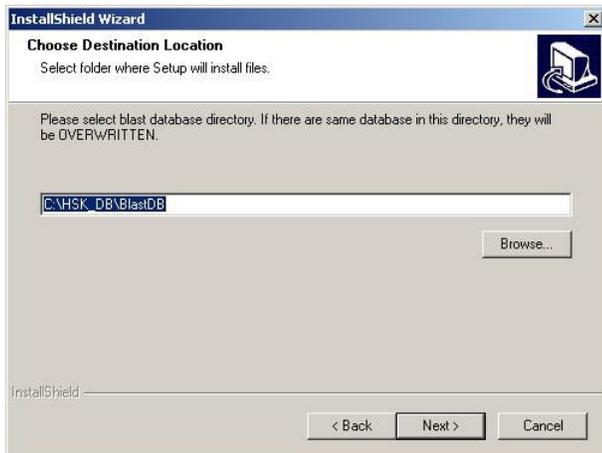
The dialog below will be displayed. Click the [Next] button.



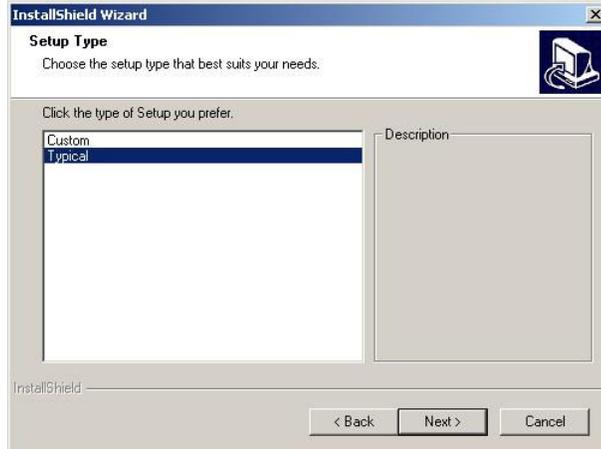
Next, specify the installation location for SequenceDB. (The initial default location is to install it in the folder below the HSK_DB folder specified during the installation of DNASIS[®] MAX.) If you choose a location other than the default location, make sure there are no spaces in the path name of your database.



Next, specify the installation location for BlastDB. (The initial default location is to install it in the folder below the HSK_DB folder specified during the installation of DNASIS® MAX.) If you choose a location other than the default location, make sure there are no spaces in the path name of your database.



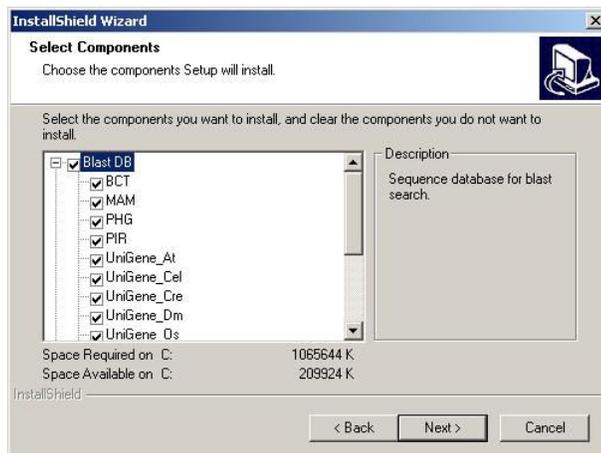
Next, specify the installation method.



If you choose [Custom], you may select the databases to install. If you choose [Typical], all databases that are registered (Sequence DB has 2, Blast DB has 13) will be installed.

If you choose [Custom], click the [Next] button for the following dialog. Put check marks next to those components you want to install, and then click the [Next] button to start the installation.

If you choose [Typical], click the [Next] button to continue; the dialog will not be displayed.



Once installation is complete, a dialog will be displayed, so click the [Finish] button to exit the installer.



3.5 Installing the Phred/Phrap Option

(For those customers with the Phred/Phrap option only)

***Note: Administrative privileges are required for this installation.**

Please note: Before installing the Phred/Phrap option, launch DNASIS[®] MAX once. If you do not launch DNASIS[®] MAX at least once before installing the Phred/Phrap option, the Phred/Phrap feature may not be operational.

Insert the Phred/Phrap Option Installation CD into the CD drive to start the installation process.

Note: If the screen does not launch automatically, double-click the 'My Computer' icon, double-click on the Compact Disc icon, double-click [Setup.exe] and start the installation procedure.

[DNASIS Key Code Manager] will launch, so click the [OK] button and close the dialog.

3.6 Setting Key Codes

To use DNASIS[®] MAX and its optional features, a key code is required. Please obtain and set up the key code before using the product.

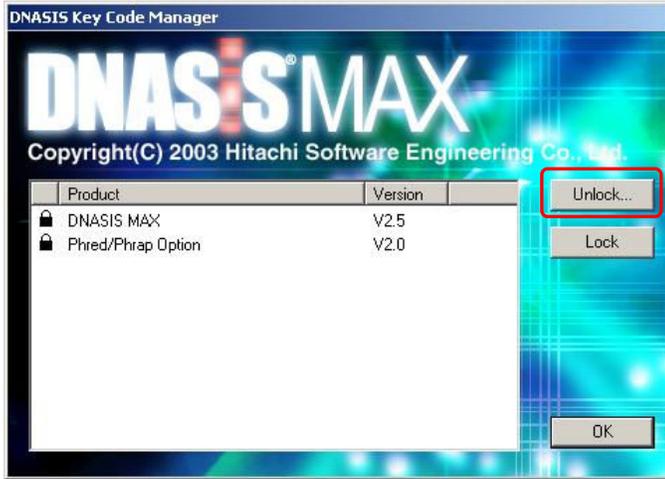
The key code needs to be set up only once, during the initialization procedure. Once set, the key code does not need to be reentered.

3.6.1 Setting Key Codes for DNASIS[®] MAX

(1) Obtaining a Machine ID and the Key Code

Choose [Start]->[Programs]->[DNASIS MAX]->[Key Code Manager] and launch [DNASIS Key Code Manager].

Click the [Unlock....] button.



The [Unlock Product] dialog will be displayed; the [Machine ID] is displayed in the center row.



*Note that the [Machine ID] is unique per each PC.

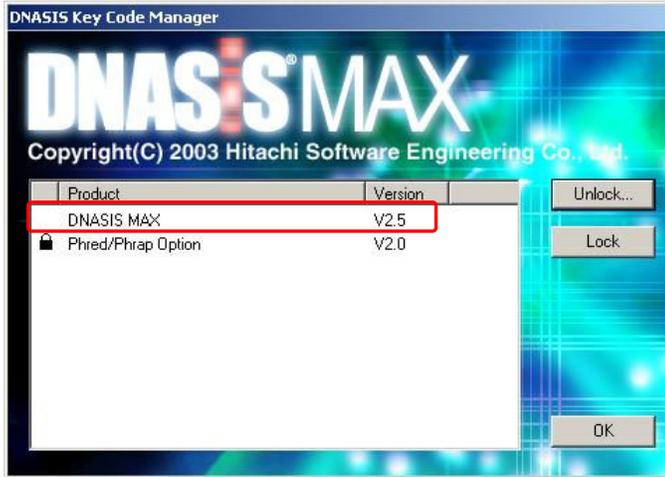
To obtain a key code, please refer to the Licensing Instructions included in the software packaging.

*Your DNASIS® MAX software includes a unique validation code, and your regional support center will only generate a single key code per validation code. The key code is only valid for a given machine ID. This means, for each copy of DNASIS® MAX you purchase, you can only run that copy of DNASIS® MAX on a single computer. This machine ID will change if you upgrade or reinstall your operating system, and you will require a new key code to unlock the DNASIS®. Should your computer become damaged and you need to reinstall the DNASIS®, you will need to contact your regional support center (See Appendix A) and apply to have the key code for your copy of DNASIS® reissued.

(2) Setting the Key Code

***Note: Administrative privileges are required for setting the key code.**

Input the key code sent from your regional support center in the [Key Code] field in the [Unlock Product] dialog, and click the [OK] button. When the lock icon disappears in [DNASIS Key Code Manager] then the key code has been set, and DNASIS® MAX may be launched.



*Note: This [Key Code] field is case-sensitive. Be sure to select the correct case for each letter when entering the key code.

3.6.2 Setting Key Codes for the Phred/Phrap Option

***Note: Administrative privileges are required for this installation.**

DNASIS[®] MAX offers support for the Phred/Phrap option. Once DNASIS[®] MAX is installed, you will need to input a key code to access this feature.

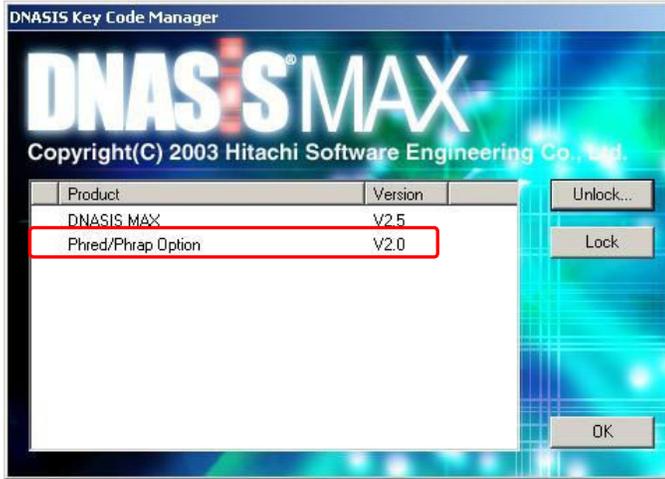
Display the [DNASIS Key Code Manager] dialog, as in the steps outlined above. Choose the [Phred/Phrap Option] and click the [Unlock...] button.

The [Unlock Product] dialog will be displayed. Make sure that the [Product Key] field is set to [Phred/Phrap Option V2.0].



Enter the key code you obtained for the Phred/Phrap option, and click the [OK] button.

If the lock icon to the left of the "Phred/Phrap Option" field disappears in [DNASIS Key Code Manager], then the Phred/Phrap option has been enabled and may be used.



Chapter 4 Uninstalling DNASIS® MAX

4.1 Uninstalling DNASIS® MAX V1.0

4.1.1 DNASIS® MAX V1.0 Backup

(1) Database Backup

The databases installed during the installation of DNASIS® MAX V1.0 will be deleted when DNASIS® MAX V1.0 is removed.

We recommend that you back up those databases that you have modified and added to.

The procedure is as follows:

1. Move to the folder where the database is stored.
2. If installed according to initial default values, from [My Computer] choose Local Disc(C:) and open the [HSK_DB] folder.
3. Copy the database file contained in the file to another folder, and perform backup.

<p><u>DNASIS® MAX Database Storage Folder</u> [AAMotifDB], [BlastDB], [GenomeDB], [NAMotifDB], [MultipleAlignmentProfile], [SequenceDB]</p>

Reconstructing Data

After installing DNASIS® MAX V2.5 copy the backup file to the folder with the corresponding database.

(2) Vector Data Backup

To backup Vector data, use the [Vector Database Manager] from DNASIS® MAX.

1. Launch DNASpace and choose the option [Vector Database Manager] from the [Database] menu.
2. The [Vector Database Manager] will launch.
3. Choose the vector data to backup, and click the [Export...] button to save it in a separate folder.

Reconstructing Data

After installing DNASIS® MAX V2.5 launch [Vector Database Manager] and click the [Import...] button to import the backup file.

(3) Space Backup

(For those customers with the DNASpace option only)

When DNASIS® MAX V1.0 is removed, any custom Space that you created will also be removed. We recommend that you back up those Spaces that you have created.

The procedure is as follows:

1. Launch DNASpace.
2. Choose [File], then [Open Space].
3. A list of possible Spaces will be displayed. Choose the Space to backup, and click the [Export...] button.
4. The [Save As] dialog will be displayed. Set the location and file name for saving, and click the [Save] button.
5. The [Export Space] dialog will be displayed. If the Space includes data, check the box for the [Include Data] option.
6. Click the [Export] button and backup the Space.

Reconstructing Data

After installing DNASIS[®] MAX V2.5 display the [Open Space] dialog in DNASpace, and click the [Import...] button to import the exported file.

4.1.2 Removing DNASIS[®] MAX V1.0

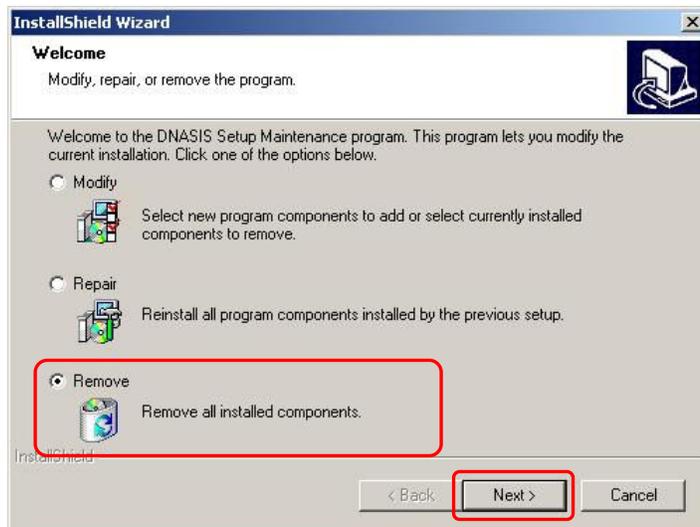
***Note: Administrative privileges are required for this uninstallation.**

Exit any programs related to DNASIS MAX (including ContigManager, DNASpace and DNASpace Scheduler).

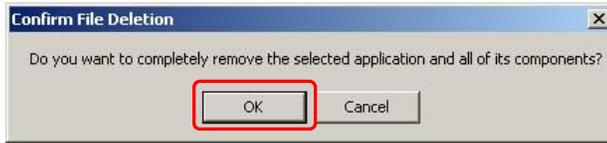
Choose [Start]->[Settings]->[Control Panel]. From the [Add/Remove Programs] menu, choose [DNASIS] and click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog shown below will be displayed. Click the [OK] button.



Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.2 Uninstalling DNASIS® MAX V2.0

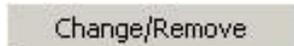
4.2.1 DNASIS® MAX V2.0

***Note: Administrative privileges are required for this uninstallation.**

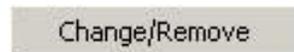
Exit any programs related to DNASIS MAX (including ContigManager, DNASpace and DNASpace Scheduler).

If you have installed the patches for DNASIS® Max V2.0, ([DNASIS MAX Updates for V2.1.1] and [DNASIS MAX Updates 2.1.1]) you will want to remove those first.

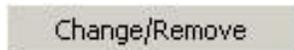
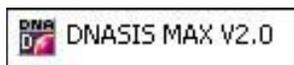
From [Add/Remove Programs], choose [DNASIS MAX Updates for V2.1.1], and click the [Change/Remove] button.



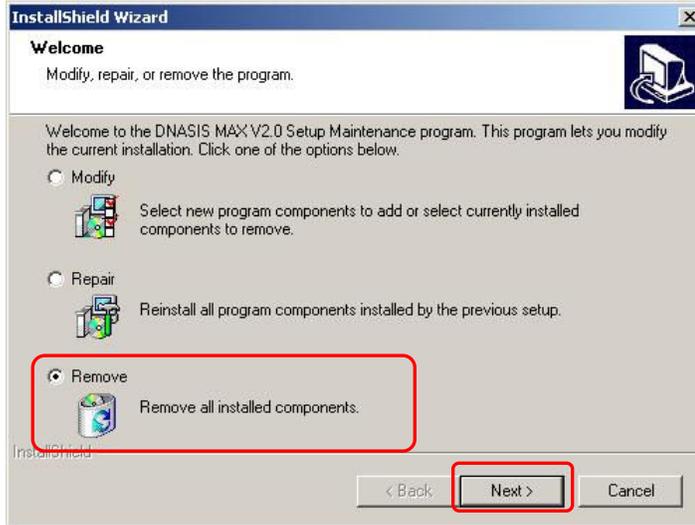
From [Add/Remove Programs], choose [DNASIS MAX Updates 2.1.1], and click the [Change/Remove] button.



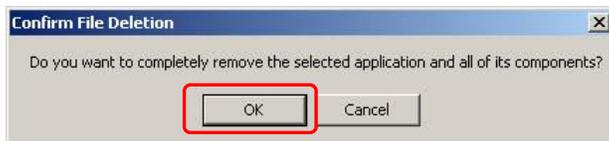
From [Add/Remove Programs], choose [DNASIS MAX V2.0], and then click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog below will be displayed, so click the [OK] button.



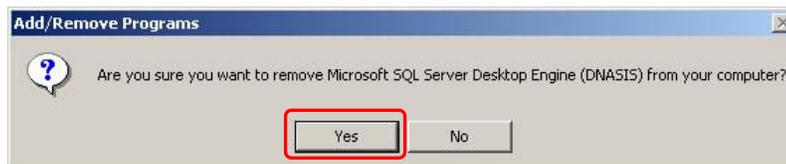
Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.2.2 MSDE2000

From [Add/Remove Programs], choose [Microsoft SQL Server Desktop Engine (DNASIS)] and click the [Remove] button.

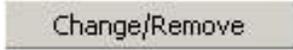
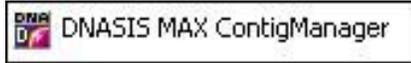


The dialog shown below will be displayed. Click the [Yes] button.

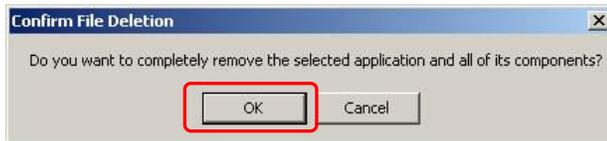


4.2.3 ContigManager

From [Add/Remove Programs], choose [DNASIS MAX ContigManager] and click the [Change/Remove] button.



The dialog shown below will be displayed. Click the [OK] button.

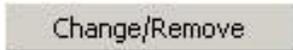
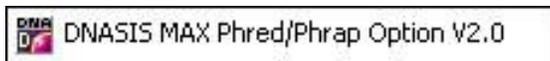


Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.2.4 Phred/Phrap Option

(For those customers with the Phred/Phrap option only)

From [Add/Remove Programs], choose [DNASIS MAX Phred/Phrap Option V2.0] and click the [Change/Remove] button.



The dialog shown below will be displayed. Click the [OK] button.

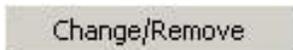
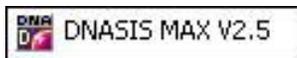
Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.3 Uninstalling a New Installation of DNASIS[®] MAX V2.5

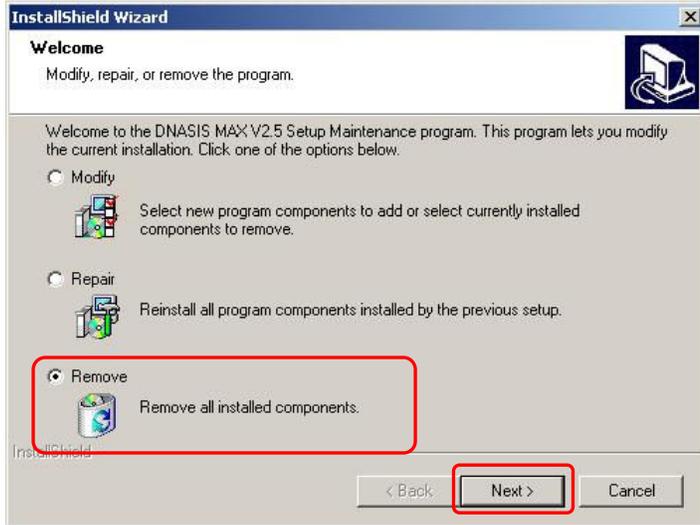
4.3.1 DNASIS[®] MAX V2.5

Exit any programs related to DNASIS MAX (including ContigManager, DNASpace and DNASpace Scheduler).

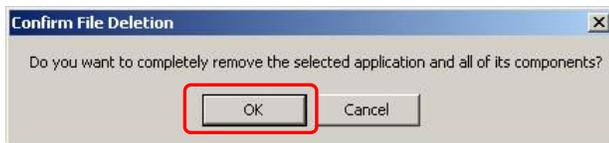
From [Add/Remove Programs], choose [DNASIS MAX V2.5] and click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog shown below will be displayed. Click the [OK] button.



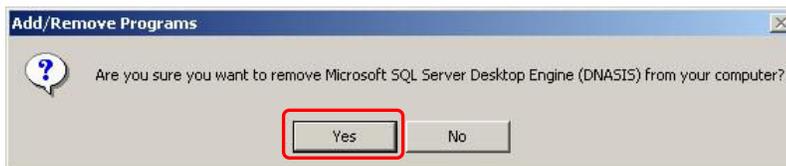
Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.3.2 MSDE2000

From [Add/Remove Programs], choose [Microsoft SQL Server Desktop Engine (DNASIS)] and click the [Remove] button.

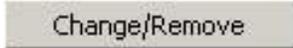
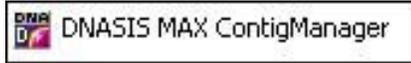


The dialog below will be displayed. Click the [Yes] button.

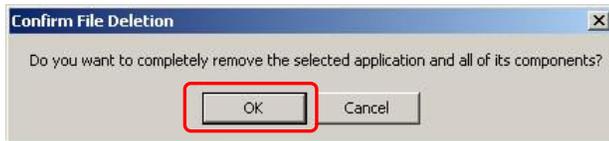


4.3.3 ContigManager

From [Add/Remove Programs], choose [DNASIS MAX ContigManager] and click the [Change/Remove] button.



The dialog shown below will be displayed. Click the [OK] button.

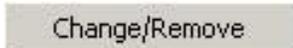
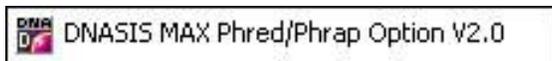


Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

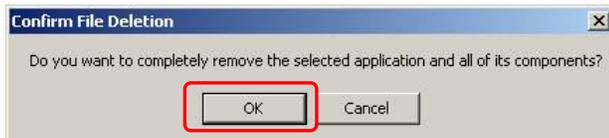
4.3.4 Phred/Phrap Option

(For those customers with the Phred/Phrap option only)

From [Add/Remove Programs], choose [DNASIS MAX Phred/Phrap Option V2.0] and click the [Change/Remove] button.



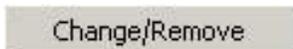
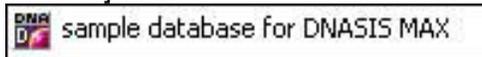
The dialog shown below will be displayed. Click the [OK] button.



Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.3.5 SampleDB

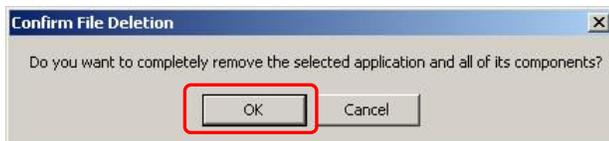
From [Add/Remove Programs], choose [sample database for DNASIS MAX] and click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog shown below will be displayed. Click the [OK] button.



Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.4 Uninstalling a DNASIS[®] MAX V2.0 to V2.5 Update

4.4.1 DNASIS[®] MAX V2.5

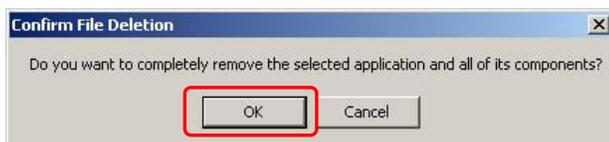
***Note: Administrative privileges are required for this uninstallation.**

Exit any programs related to DNASIS MAX (including ContigManager, DNASpace and DNASpace Scheduler).

From [Add/Remove Programs], choose [DNASIS MAX Updates 2.5] and click the [Change/Remove] button.



The dialog shown below will be displayed. Click the [OK] button.



Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

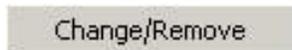
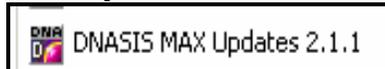
4.4.2 DNASIS® MAX V2.0

If you have installed the patches for DNASIS® Max V2.0, ([DNASIS MAX Updates for V2.1.1] and [DNASIS MAX Updates 2.1.1]) you will want to remove those first.

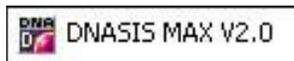
From [Add/Remove Programs], choose [DNASIS MAX Updates for V2.1.1], and click the [Change/Remove] button.



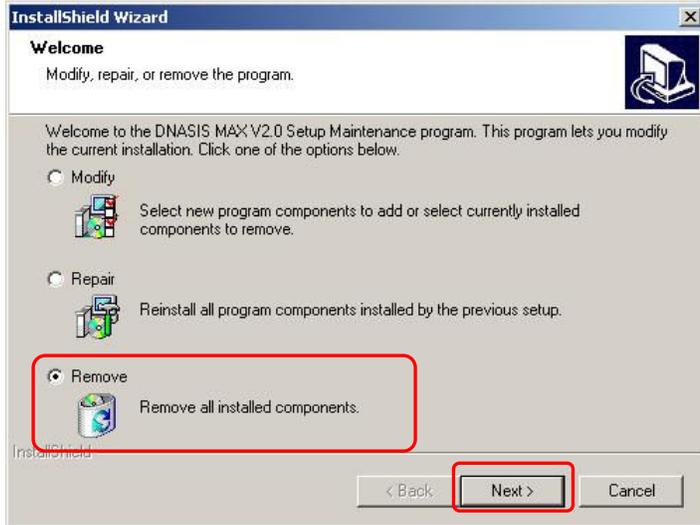
From [Add/Remove Programs], choose [DNASIS MAX Updates 2.1.1], and click the [Change/Remove] button.



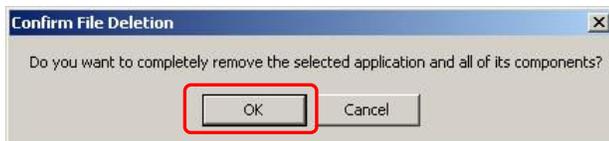
From [Add/Remove Programs], choose [DNASIS MAX V2.0] and click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog shown below will be displayed. Click the [OK] button.



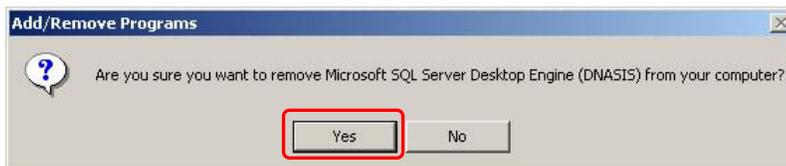
Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.4.3 MSDE2000

From [Add/Remove Programs], choose [Microsoft SQL Server Desktop Engine (DNASIS)] and click the [Remove] button.

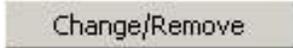
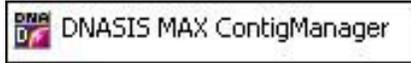


The dialog below will be displayed. Click the [Yes] button.

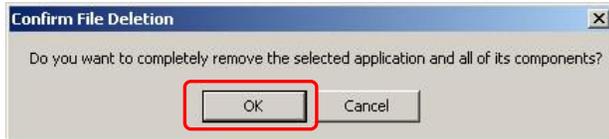


4.4.4 ContigManager

From [Add/Remove Programs], choose [DNASIS MAX ContigManager] and click the [Change/Remove] button.



The dialog shown below will be displayed. Click the [OK] button.

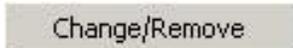
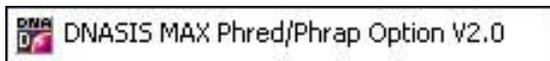


Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

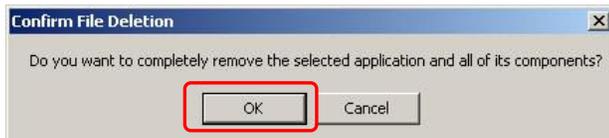
4.4.5 Phred/Phrap Option

(For those customers with the Phred/Phrap option only)

From [Add/Remove Programs], choose [DNASIS MAX Phred/Phrap Option V2.0] and click the [Change/Remove] button.



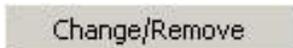
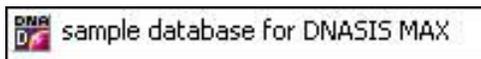
The dialog shown below will be displayed. Click the [OK] button.



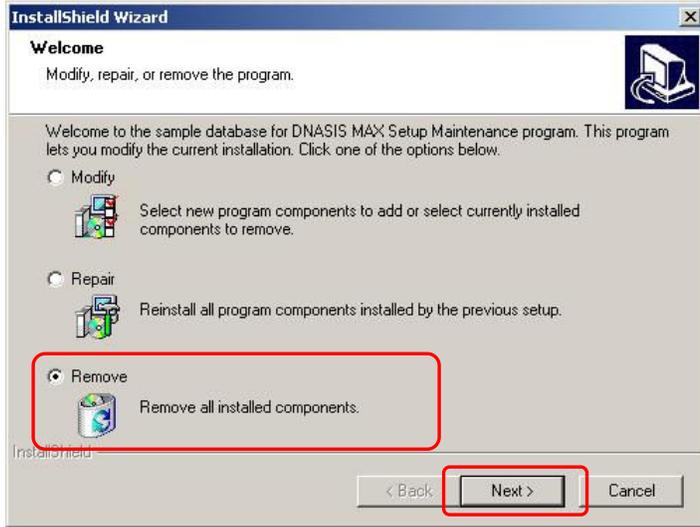
Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

4.4.6 SampleDB

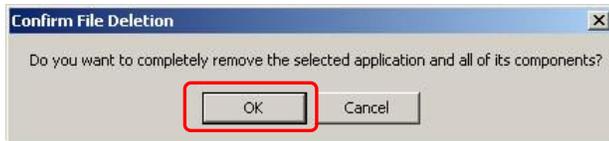
From [Add/Remove Programs], choose [sample database for DNASIS MAX] and click the [Change/Remove] button.



The dialog shown below will be displayed. Choose the [Remove] toggle-button and click the [Next] button.



The dialog shown below will be displayed. Click the [OK] button.



Click the [Finish] button for [InstallShield Wizard] to finish the uninstallation procedure.

Appendix A: User Support Contact Information

Please use the following information to contact your regional support center with questions on using or purchasing DNASIS[®] MAX.

MiraiBio, Inc.: (The Americas, Asia, and Pacific Regions)
1201 Harbor Bay Parkway Ste. 150
Alameda, CA 94502
U.S.A
Web: www.miraibio.com
Tel: +1-510-337-2000
Fax: +1-510-337-2099
E-mail: dnasiskey@miraibio.com (For obtaining key codes)
gene@miraibio.com (For other information or inquiries).

Hitachi Software Engineering Europe AG: (Europe, Middle East, and Africa Regions)
Neues Kranzler Eck
Kurfürstendamm 22
10719 Berlin
Germany
Web: www.hitachisoft-bio.com
Tel: 49-30-8877-2600
Fax: 49-30-8877-2610
E-mail: dnasis@hitachisoft.de (For obtaining key codes)
info-bio@hitachisoft.de (For other information or inquiries).