AIR ID®

Proximity Activated Identification

Enterprise & Single Machine Edition

Installation Guide

www.HIDCorp.com

*Congratulations on the purchase of your pcProx system. We hope you enjoy using your new **pcProx** Proximity Activated Identification System as much as we enjoyed providing it! Please share your comments and suggestions for our future "**AIR ID AWARE**" solutions!*

If you are interested in our OEM Developer's Programs, please call!

Thank you,
The Staff at HID

Need Assistance?

Call: 800-237-PROX (7769)

Mail to:
HID Corporation
9292 Jeronimo Road
Irvine, CA 92618
(949)-598-1600

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FCC Compliance Statements

pcProxH Base Unit - FCC ID M9MBUPCPROXH100
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interface, and (2) This device must accept any interference that may cause undesired operation.

Important Note for NT Users

AIR ID is a security application that tightly integrates to Window NT's security system. **Therefore care must be taken when installing and un-installing AIR ID or you may render your NT system inoperable.** If you are installing or updating your AIR ID system on an NT system, it is important that you follow these instructions:

- As with all NT installs you should update your emergency disk prior to any software changes to your system. Keep this disk in safe and secure place since it contains security information about your system.
- Perform a tape backup of your NT system prior to any installation or removal of the AIR ID software.
- In order to install or uninstall you must have an account with administration privileges. Be sure to log onto NT using an administrator enabled account.
- Uninstall the existing AIR ID software from your system using the add/remove program option with in the Windows NT Control Panel. Follow the uninstall wizard instructions. Note that some files may warn that they are being shared and should not be uninstalled.
- It is IMPORTANT that you RE-BOOT your system prior to installing the new AIR ID system. This action will make sure the registry is updated and the GINA is properly deleted. Failure to perform this step WILL render your system inoperable. After rebooting, you may then install the new version of AIR ID following the wizard instructions.
- Since NT users may use their AIR ID badge to perform the LOGIN function, make sure you enter your current NT username and NT password into the AIR ID system.
- AIR ID has been designed for NT 4.0 SP3+, W2000. Do not install AIR ID onto version of NT above or below these versions without first contacting HID.

Chapter 1- AIR ID® Installation Program
Overview
This is the Installation Guide for the Enterprise & Single Machine Edition of AIR ID. The SETUP.EXE application automatically detects your Windows operating system and determines which components and options are appropriate for this installation. Please take time to review the README.TXT file for last minute changes to this procedure and manual.

Once the software has been installed, you can then proceed to the '*AIR ID User's Guide'* for information on program usage.

This manual assumes the user is familiar with the Microsoft Windows 95/98/NT environment and has appropriate privileges to install applications on the system.

System Requirements
- 486-DX33 with CD ROM drive
- 32 MB RAM (20 MB hard disk space available for installation overhead and AIR ID software).
- 1 available serial port (unused by other devices)
- Microsoft Windows 95, 98 or NT v 4.0 SP3/4/5/6 or Windows 2000
- For Windows NT/2000, the installer must have administrative rights to access and modify AIR ID files

Single or Enterprise Installation
This Installation Guide will allow you to install AIR ID for Single (stand-alone) or Enterprise installations. Prior to installation, you should determine whether you require centralized management.

Users and Enrollment Considerations

The AIR ID product requires users to be enrolled into a database to assign user names to specific AIR ID badge addresses. This database also contains other important information required by the application. The Single and Enterprise installation handle this

database differently therefore it is important that you determine this choice ahead of time.

Single Machine or Enterprise Operation

If you are running relatively few users on few machines, you may consider using the Single User installation. This installation places the AIR ID user database files on each machine running AIR ID. If individual users are using multiple machines, then entries will need to be made for these individuals on each machine.

The Enterprise installation uses a centrally stored user database. This database can be located on any **NT Server** or **NT Workstation**. This will allow a central point for administration and reduce administration costs. The administrator may manage users and badges from either the server or the client location.

Once the AIR ID Server is installed, you may then go ahead and install the AIR ID client on each of the client machines. Each client will register its machine name to this centralized server. When all the clients installations are completed, the centralized server has all client machines registered and any AIR ID user may be assigned to any registered client machine on the LAN.

Once you have decided whether you want the Enterprise or Single Machine installation, you can go to the appropriate section of this installation guide. Enterprise users will want to start with the *'Enterprise Installation'* section of the manual. If you have chosen to use the Single Machine Installation, you can go directly to the *'Single Machine Installation'* section of this manual.

Enroll Users: Auto-Enrollment or Administrative Enrollment

Once the installation process is complete, the administrator will need to decide how the users will be enrolled into the system. Both Single Machine and Enterprise Operation allow users to be enrolled into the system using either of two different methods.

Auto-Enrollment – Using this method, the users automatically enroll themselves into the system thereby freeing the administrator of this task. Users require:
1. Their proximity card, and
2. Their current logon credentials (Username, password, and Domain

After AIR ID is installed on the client, the user reboots and manually performs a logon with their card on the pcProx reader. If they can logon successfully, the AIR ID system will automatically enroll their credentials and associate these with the user's proximity card.

Administrative Enrollment – This method requires the administrator to enroll each user individually using the AIR ID 'Add User' button (see AIR ID User's Guide for more details).

Chapter 2- Enterprise Installation
Overview
This section is intended for users who want to take advantage of the centralized management features of AIR ID. The Enterprise Installation allows the administrator a centralized method in which to administer the AIR ID users. First the AIR ID Server software is installed. This installation defines the centralized database and installs the necessary services on the AIR ID Server. Next, the Client software is installed on each client. Both Windows NT/2000 and Windows 95/98 Workstation users will use the *'Enterprise Client Installation'* section.
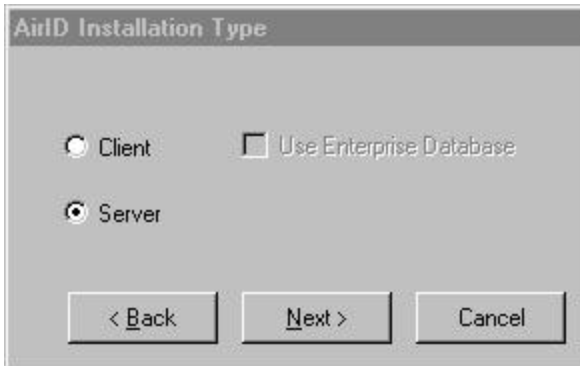
Choosing the AIR ID Server

The first item is to choose the machine on which the AIR ID Server software will be installed. The Server software can be installed on any Windows NT Server or Windows NT Workstation. There are a few important items for Enterprise installations:

- The Server computer must be on the LAN and users must have access rights to the AIR ID files and directory.
- The Server Installation must be performed before any of the Client installations. During the Client installation, each Client will have their database redirected to the AIR ID Server.
- The Server and Client installations require that the user installing the AIR ID software have rights to modify the registry.
- There is only one AIR ID Server allowed on the LAN.
- The AIR ID server must remain on at all times in order to support the AIR ID Enterprise Services.
- It is advisable to have this path within the building so as not to disrupt individuals if the connection to the Server is lost.

Central Administration

As the administrator you will be able to maintain users from any location on the LAN, provided the AIR ID software is installed at the specified location. The only requirement for obtaining administrative access is knowing your AIR ID 'admin' password.

AIR ID User Account

The AIR ID Server will need a *AIR ID User Account*. The purpose of this User Account is to provide the AIR ID Clients (specifically AIR ID NT clients using proximity login) with an account that has the appropriate rights and privileges necessary to access this server during the login process. The Enterprise version of AIR ID has some interesting issues to deal with during login. During the login process of the Client machine, AIR ID needs access to the Server prior to actually logging in the user. AIR ID uses a secure service to allow a communication channel to the central AIR ID database. In order to establish the channel, a login must be established. Once the channel is open, the AIR ID software will get the real user information (name, badge address…) and attempt the true login. Once logged in, the real user will have their normal privileges.

During the installation you will be prompted to allow AIR ID to create a generic AIR ID user or you will be asked to specify an existing user name, password and domain for the generic AIR ID user. Most administrators prefer to provide a user with limited access. If this is your preference, you should create the user now so that this information can be provided during the AIR ID installation process. We recommend that you use a name such as AIR IDUSER or RFIDUSER so that it will be recognized as being associated with the AIR ID product.

AIR ID Server Installation

Prior to installation please make sure you have read the **Important
Note for NT Users**.

This section will give you a step by step overview of each of the
installation screens.

Place the AIR ID CD into the CDROM drive of the machine
designated as the AIR ID Server. Using the Microsoft Windows
Start button locate **Run.** Use the **Browse** feature to locate the
Setup.exe file on the AIR ID CD provided. Double-click this file and
select the **OK** button to load the installation program.

Opening Formalities

Answer **Yes** to the Welcome window to start the installation
process.

Be sure to read the Software License Agreement and verify your
agreement by pressing the **Yes** button.

Enter your name and company and press **Next**.

Application Destination Folder

Choose the location for the local copy of the AIR ID system by
accepting the default or by using the **Browse** button to change the
default. The default directory is:
C:\Program Files\RFIDeas_NT\AIR ID.
Note that this location will need to be provided during the client
installation if you elect not to share this directory.
After making the entries, select the **Next** button to continue to the
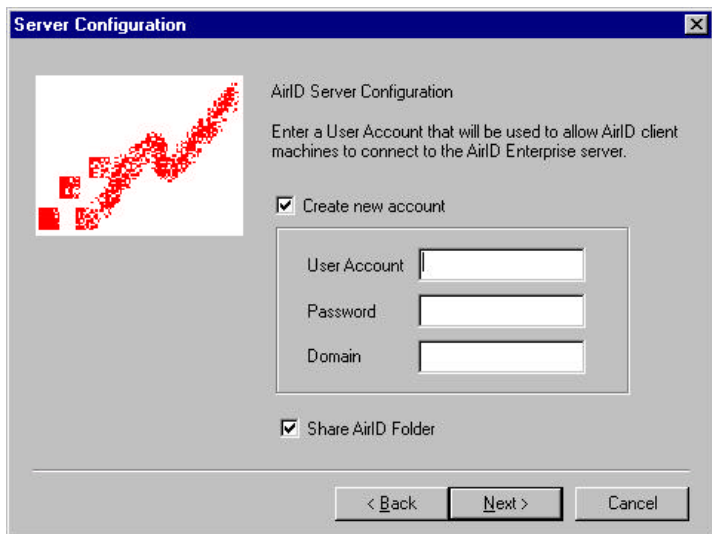component screen.

Installation Type - Client or Server

The next screen allows the Client or Server selection. For Server
installation, select the **Server** option and press **Next**.

Server Configuration

Create New Account

Select this option if you would like to create a new account on the NT Domain Server using the credentials entered in this screen. The account created by the AIR ID setup has administrative user privileges. The administrator may want to reduce these privileges after the setup program is finished.

De-select this option if you are entering credentials for a generic AIR ID user that is already configured on the Domain Server. Many administrators prefer this method since it allows them to specifically set the appropriate privileges for the generic AIR ID user account before installation.

Enter Credentials

Enter Username, Password, and Domain credentials for the generic AIR ID user. Please make sure that the entry is

correct and exactly the same as the existing account if the account does already exist. If this data is incorrect, none of the clients will be available to access this server when they boot and a complete de-installation and re-installation of the server will be required.

Share AIR ID Folder

Selecting this option will create a share name on the server of the form \\<ServerMachineName>\AIR ID\. This is recommended as it makes the client installation somewhat easier.
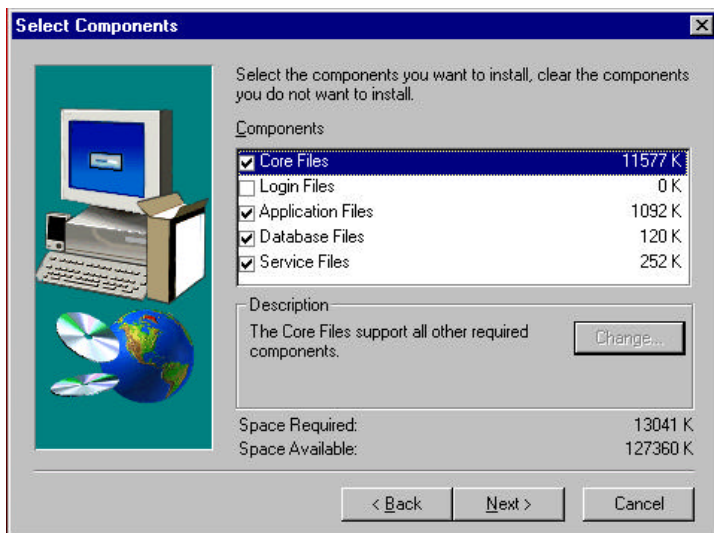
Press **Next** to proceed to next screen.

Select Components

In this section you will choose the components of AIR ID that will be installed on the server.

Core Files
This option is required and will always install, regardless of selection.

Login Files
Select this option if you would like both a **Client and Server** installation on this workstation. This option will install the Login GINA components that will use the user database that is being installed locally for this 'server'. You should have a Base Unit attached at this point if you select this option.

Application Files
Select this option to install the AIR ID application files on this server. This component is necessary to perform administrative functions from this workstation. It is not required that you install these files on this machine as the database may be accessed by the AIR ID application files residing on any machine on the network. However, it is recommended as you may want to do some preliminary setup of the database before any Clients are installed.

Database Files
If you are upgrading from a previous version of AIR ID and you would like to keep your existing database of users, make sure you deselect the **Database Files** checkbox. If your database files are from version 2.4 or below then you must be sure to select the **Database Files** checkbox so that these file will be replaced since the version 2.4 and below format is not compatible with AIR ID Version 2.5 and above.

Your database of users is maintained in the file 'AIR IDss.RFI'. Note that a backup will be made to the AIR IDss.BAK file. After completing the installation of the upgrade, you may copy this backup file over to the original (AIR IDss.RFI). This will restore all previous users. Again this assumes the database files are of a compatible version.

Service Files
The **Service Files** checkbox must be selected for the Server installation.

Press **Next** to proceed to the next screen.

Select Program Folder

Select the Program Folder name you would like to appear in the [Start]-[Programs] menu for this installation. The default is **AIR ID**.

Summary of Selections

Make sure that the Current Settings list agrees with your selections and then proceed to the actual file copy installation by pressing **Next**.

Restart

You must Restart the workstation at this time. Answer **Yes** to restart your computer or **No** if you would like to clean up any opened applications before manually restarting the workstation. You will now be able to proceed to the Client installations.

Adding Licenses

Your first AIR ID purchase includes a license for allowing up to 10 users to utilize the Enterprise features of AIR ID. If more than 10 user are required, refer to *'Chapter 4 – Adding Enterprise Licenses'.*

Client Installation for Enterprise Usage

Windows 95/98 and NT/2000 Workstation

This section will give you a step by step overview of each of the installation screens. Client installation is very similar to the Server Installation described above. As with any NT installation, be sure to review the **Important Notes for NT Users**.

Place the AIR ID CD into the CDROM drive of the client machine. Using the Microsoft Windows **Start** button locate **Run.** Use the **Browse** feature to locate the **Setup.exe** file on the AIR ID CD provided. Double-click this file and select the **OK** button to load the installation program.

Opening Formalities

Answer **Yes** to the Welcome window to start the installation process.

Be sure to read the Software License Agreement and verify your agreement by pressing the **Yes** button.

Enter your name and company and press **Next**.

Application Destination Folder

Choose the location for the local copy of the AIR ID system using the **Browse** button as shown in the following figure.
The default directory for NT installations is:
C:\Program Files\RFIDeas_NT\AIR ID.
The default directory for Windows 9x installations is:
C:\Program Files\RFIDeas\AIR ID.
After making the entries, select the **Next** button to continue.

Installation Type - Client or Server

The next screen allows Enterprise Users to make their Client or Server selection. For client enterprise installation, select the **Client** and **Use Enterprise Database** options.
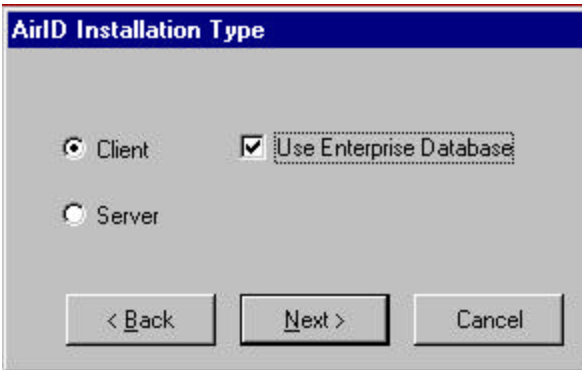
Hit the **Next** button after making the selections.

Client Configuration

NOTE: For Windows 9x client installation there is a section of the installation that may take several minutes. This portion is run in a DOS mode, with a black background screen. This section checks and converts Windows applications to be compatible to run under Windows profile mode.
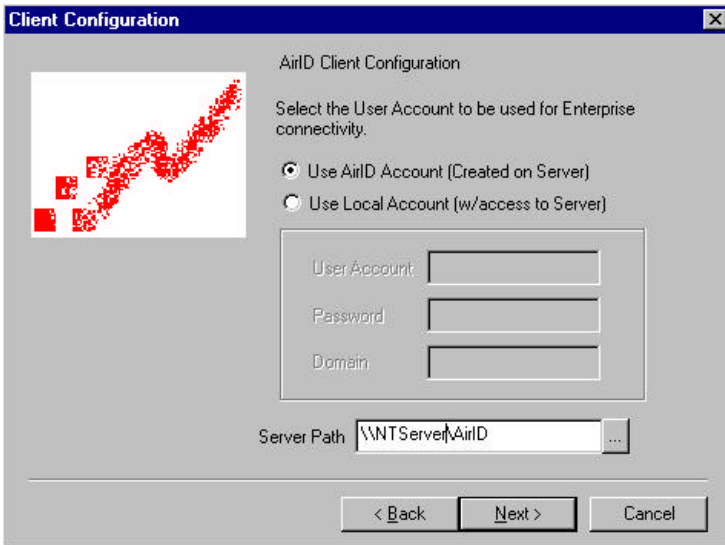
For NT installations, you must provide an appropriate account that the AIR ID software can use for the login process. It is recommended that you use the **Use AIR ID Account** option. This is the account that was created or specified during the AIR ID Server installation. Win9x installations should just select this option as the account information is not needed by the Wi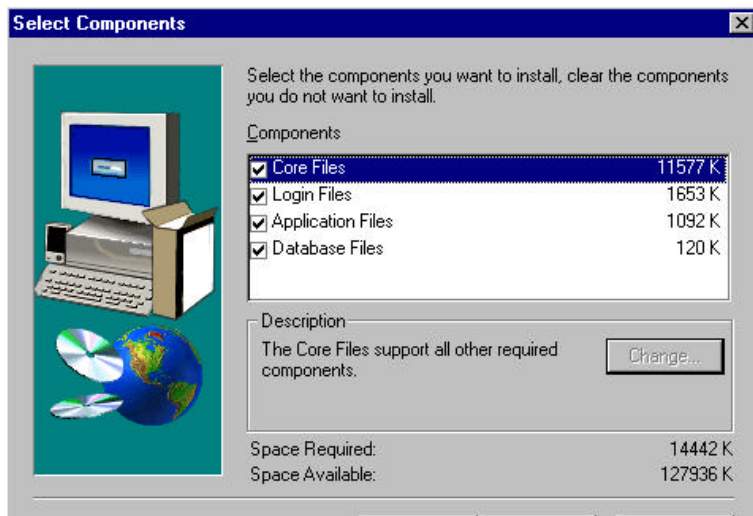n9x system. This information is extracted from the AIR ID database and securely stored in the local registry. AIR ID uses this account information in order to create a temporary link to the server. This link is then used to retrieve the actual user information (User Name, Badge Address…) in order to perform the intended user login. If you choose, you can specify your own private account instead of the AIR ID User Account. Note: this setting only has significance for the NT client installation.

You must also specify the Server database path. You may Browse to the Share name created during the Server installation or manually enter the path in the dialog. This setting applies to both Win9x and NT client installations.

Hit the **Next** button after making the selections.

Select Components
In this section you will choose the components of AIR ID that will be installed to the client machine.

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Core Files
This option is required and will always install, regardless of selection.

Login Files
This option will install the Login GINA components that will access the user database that has been installed on the 'server'. This is the Key component in the system and should always be selected.

Application Files
Select this option to install the AIR ID application files on this client. This component is necessary to perform administrative functions from this computer. It is not required that you install these files on this machine as the database may be accessed by the AIR ID application files residing on any machine on the network.

Database Files
The database files used by the client have already been installed during the AIR ID Server installation. Therefore, by default, the **Database Files** option has been deselected. You may select this component if you would like the ability to 'fall back' to a local database at any time. The database is installed locally but must be populated before you use it and is not synchronized to the Server database. Laptop users often find this 'fall back' mode usefull when travelling away from the office network.

Hit the **Next** button to proceed to the next screen.

Select Program Folder
Select the Program Folder name you would like to appear in the [Start]-[Programs] menu for this installation. The default is **AIR ID**.

Application Support Destination Folder [Win95/98 Only]
Choose the location for the local copy of the AIR ID Logon system support files by accepting the default or by using the **Browse** button. Due to the nature of some of these files, they must be

located in a path that adheres to the older '8.3' file format with no spaces. The default directory is **C:\RFIDTLC**. After making the entries, select the **Next** button to continue to the component screen.

Summary of Selections

Make sure that the Current Settings list agrees with your selections and then proceed to the actual file copy installation by pressing **Next**.

Display

You can choose to display the **Readme.txt** file for up to date information on AIR ID by selecting the **View Readme** checkbox. You can also choose to launch AIR ID by selecting the **Run AIR ID** checkbox.

Restart

You must Restart the workstation at this time. Answer **Yes** to restart your computer or **No** if you would like to clean up any opened applications before manually restarting the workstation.

Enterprise users should be sure to install the AIR ID software to all Clients prior to adding users. This will make all machine names available for assignment when adding the users.

AIR ID User's Guide
After Enterprise Server and Client installation has been completed, refer to the *AIR ID User's Guide* for information on how to use AIR ID.

Chapter 3- Single Machine Installation
Overview
The Single Machine installation differs from this Enterprise installation in that the AIR ID database is stored locally at each machine. This choice must be used for systems that are not connected to the network. It is also a good choice when relatively few machines are protected with AIR ID or when users are responsible for the administration of their own machines.

Both Windows NT/2000 Workstation and Windows 95/98 users will use the common *'Single Machine Installation'* section.

***NOTE:** For Windows 9x client installation there is a section of the installation that may take several minutes. This portion is run in a DOS mode, with a black background screen. This section checks and converts Windows applications to be compatible to run under Windows profile mode.*

Single Machine Installation

As with any NT installation, be sure to review the **Important Notes for NT Users** above.

This section of the manual will give you a step by step overview of each of the installation screens.

Place the AIR ID CD into the CDROM drive of the client machine. Using the Microsoft Windows **Start** button locate **Run.** Use the **Browse** feature to locate the **Setup.exe** file on the AIR ID CD provided. Double-click this file and select the **OK** button to load the installation program.

Opening Formalities
Answer **Yes** to the Welcome window to start the installation process.

Be sure to read the Software License Agreement and verify your agreement by pressing the **Yes** button.

Enter your name and company and press **Next**.

Application Destination Folder

Choose the location for the local copy of the AIR ID system using the **Browse** button as shown in the following figure.
The default directory for NT installations is:
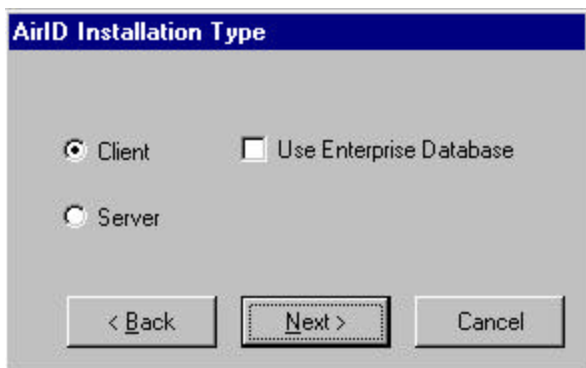**C:\Program Files\RFIDeas_NT\AIR ID**.
The default directory for Windows 9x installations is:
C:\Program Files\RFIDeas\AIR ID.
After making the entries, select the **Next** button to continue.
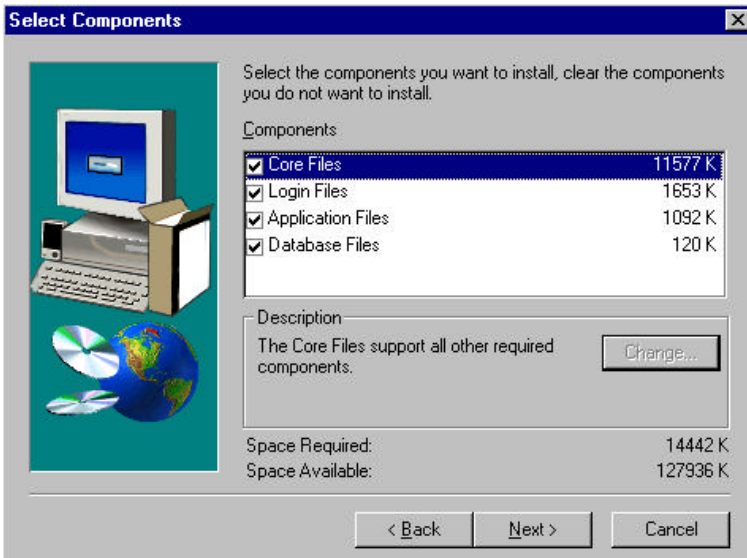
Installation Type - Client or Server

For stand-alone client installation, select the **Client** option. Make sure that the **Use Enterprise Database** option is de-selected.

Hit the **Next** button after making the selections.

Select Components

In this section you will choose the components of AIR ID that will be installed to the client machine. By default, all of the components are selected.

Core Files
This option is required and will always install, regardless of selection.

Login Files
This option will install the Login GINA components that will access the user database that has been installed on the 'server'. This is the Key component in the system and should always be selected.

Application Files
Select this option to install the AIR ID application files on this client. This component is necessary to perform administrative functions from this computer. It is not required that you install these files on this machine as the

database may be accessed by the AIR ID application files residing on any machine on the network.

Database Files
Select this component to install the database files locally. This is selected by default since we have specified a non-Enterprise Client installation.

Hit the **Next** button to proceed to the next screen.

Select Program Folder

Select the Program Folder name you would like to appear in the [Start]-[Programs] menu for this installation. The default is **AIR ID**.

Application Support Destination Folder [Win95/98 Only]

Choose the location for the local copy of the AIR ID Logon system support files by accepting the default or by using the **Browse** button. Due to the nature of some of these files, they must be located in a path that adheres to the older '8.3' file format with no spaces. The default directory is **C:\RFIDTLC**. After making the entries, select the **Next** button to continue to the component screen.

Summary of Selections

Make sure that the Current Settings list agrees with your selections and then proceed to the actual file copy installation by pressing **Next**.

Display

You can choose to display the **Readme.txt** file for up to date information on AIR ID by selecting the **View Readme** checkbox. You can also choose to launch AIR ID by selecting the **Run AIR ID** checkbox.

Restart

You must Restart the workstation at this time. Answer **Yes** to restart your computer or **No** if you would like to clean up any opened applications before manually restarting the workstation.

AIR ID User's Guide

After the stand-alone Client installation has been completed, refer to the ***AIR ID User's Guide*** for information on how to use AIR ID.

Chapter 4 – Adding Enterprise Licenses

Overview

All AIR ID Systems currently ship with the ability to use the Enterprise Edition of AIR ID. A 10-user license is provided with your purchase in order for you to explore the use of the Enterprise features. If more than 10 users are required, a license pack will need to be purchased for the additional users. You can contact your authorized reseller or HID for information regarding the cost of the additional licenses. Instructions for the installation of these licenses are included with the purchase.