



# ***CharterLog XMS***

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## **Installation Guide**





# CharterLog XMS

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# ***Chapter 1***

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## ***Introduction***



# 1 Introduction

This document gives step-by-step procedures for installing CharterLog XMS on your computer system. It is organized into two chapters, one for single-user installation and one for multi-user installation. Review the following to determine which installation applies to your computing environment.

## Single-User Installation

An environment is considered to be Single-User when the following conditions are met...

- Only one user will be running CharterLog XMS *at any given time*.
- Both the CharterLog XMS program files *and* the associated Data folder (the folder containing the database files) will reside on the local hard drive of a single workstation.

The workstation where CharterLog XMS is installed, *may or may not* be connected to a local area network (LAN). If it is connected to a LAN, the above conditions must still be met in order for the environment to be considered "single-user". *Specifically, the Data folder cannot be located on a shared or mapped drive on the network.*

## Multi-User Installation

An environment is considered to be Multi-User when the following conditions are met...

- One or more user may be running CharterLog XMS *at any given time*.
- The CharterLog XMS Data folder (the folder containing the database files) will reside a shared LAN (network) drive.





# ***Chapter 2***

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## ***Single User Installation***



## 2 Single User Installation

### 2.1 Overview

In a single-user environment, both the CharterLog XMS program files, *and* the data files must reside on the local hard drive of a *single* computer. *The CharterLog XMS program files cannot be installed to or run from a shared Server drive.*

The sections below give step-by-step procedures for installing and uninstalling CharterLog XMS in a single-user environment.

### 2.2 Workstation Setup

#### Installing the CharterLog XMS Program Files

1. If you have a CharterLog XMS CD, insert it into the CD ROM drive. The CD will auto-start and display the CD window. If the CD does not auto-start, select [*Start>Run...*] to open the Run dialog. Click **Browse** and locate CDROM.EXE on the CD drive. With this file selected in the Run dialog box, click **OK**.
2. Click **Client Setup** in the CD window.
3. If you are installing from the Internet, download the install file ("CLX[nnn]\_CLIENT.EXE", where nnn is the version number) and place on the workstation Desktop. To begin the install, run the file.
4. Step through the install screens. If you are unsure about the install options presented on a screen, accept the preset options and click **Next >** to proceed to the next screen. When you get to the last screen, click **Finish** to complete the installation.

#### Initializing CharterLog XMS

1. Double click the CharterLog XMS icon on the desktop. If the Registration Dialog appears, enter your System ID, Serial Number and Registration Code. These numbers and associated instructions are enclosed in the CD ROM envelope, or in the EMail sent to you when you purchased the program. If you are evaluating CharterLog XMS, click **OK** to proceed past the Registration Dialog.
2. If a data folder has not been established, CharterLog XMS will establish a "default" data path and ask you to verify that this is where you want data to reside. If a different location is desired, alter the data path accordingly. The data folder will be created and initialized with empty data files.

#### Importing CharterLog v3.x Data

The CharterLog XMS Data Manager includes a utility which performs a "raw" import of all data records from CharterLog v3.x. The procedures for running this utility are given below. However, if you have been using your existing CharterLog to track Aircraft Maintenance, additional manual "clean up" procedures may be necessary. If you require assistance, contact Polaris Microsystems. *There is no additional charge for this service.*

 The following assumes that CharterLog XMS has been installed on the same workstation as your existing CharterLog.

 The import process may take a long time, depending on the size of your existing CharterLog database.

1. Shut down CharterLog XMS and your existing version of CharterLog.
2. Select [*Start>Programs>CharterLog XMS>CharterLog XMS Data Manager*] to start the Data Manager.
3. Click **Import from CharterLog v3.x** and follow the onscreen instructions.

## 2.3 Uninstalling CharterLog XMS

1. Select [*Start>Settings>Control Panel*] to open Control Panel, then double click the **Add/Remove Programs** icon.
2. Select "CharterLog XMS Client" in the programs list, then click **Remove**. Follow the on screen instructions.



# ***Chapter 3***

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## ***Multi User Installation***



## 3 Multi User Installation

### 3.1 Overview

In a multi-user environment, CharterLog XMS operates as a "client/server" application. In layman's terms, this means the following:

- The CharterLog XMS program files must be installed on each workstation from which it will be run. *The CharterLog XMS program files cannot be installed to or run from a shared Server drive.*
- The CharterLog XMS data files are located in a pre-designated folder on a shared Server drive. *No data files are stored on workstation drives.*
- Database Management System (DBMS) software must be installed only on the Server. The DBMS manages requests for data from the "client" workstations. CharterLog XMS uses the Advantage Database Server™ as its DBMS.

The sections below give step-by-step procedures for installing and uninstalling CharterLog XMS in a multi-user environment.

### 3.2 Server Setup

In order to prepare your Server for CharterLog XMS, you must do the following:

1. Run the CharterLog XMS Server Setup.
2. Install the Advantage Database Server™.
3. Initialize the CharterLog XMS data folder.

Detailed instructions for each of these steps follows.

#### Running the Server Setup

1. If you have a CharterLog XMS CD, insert it into the CD ROM drive. The CD will auto-start and display the CD window. If the CD does not auto-start, select [Start>Run...] to open the Run dialog. Click **Browse** and locate CDROM.EXE on the CD drive. With this file selected in the Run dialog box, click **OK**.
2. Click on **Server Setup** in the CD window.
3. If you are installing from the Internet, download the install file ("CLX[nnn]\_SERVER.EXE", where nnn is the version number) and place it on the server's Desktop. To begin the install, run the file.
4. Step through the install screens. If you are unsure about the install options presented on a screen, accept the preset options and click **Next >** to proceed to the next screen. When you get to the last screen, click **Finish** to complete the installation.
5. Continue with Installing the Advantage Database Server below.

#### Installing the Advantage Database Server™

 You must be logged onto Windows NT/2000/XP as a user with Administrative Privileges in order to install the Advantage Database Server.

1. Select [Start>Programs>CharterLog XMS>Install ADS].
2. Proceed through the introductory windows that appear on the screen and install the Advantage Database Server files. *If install request that you insert Disk #2, ignore the message and click **OK**.*
3. When all files have been copied, the Product Information window will be displayed. Enter the Advantage Serial Number, Validation Code, and the name of the registered owner (your company name). *Reference the CharterLog XMS Registration Instruction sheet enclosed with your CD, or the registration*

*instructions sent to you via Email, to find your ADS serial number and validation code.*

4. Note the radio buttons for choosing the Advantage Database Server Startup option. If you are unsure of which to choose, accept the preset option (Automatic) and click **Next**.
5. The ANSI Character Set screen will be displayed. This screen allows you to configure the ADS to match your country's language requirements. If you are unsure of which to choose, accept the preset option and click **Next**.
6. Select [*Start>Programs>Advantage Database Server>ADS Configuration Utility*]. Click the **Configuration Utility** tab and verify that the Database Settings are showing in the window are no smaller than those listed below. Alter any settings as needed.


Minimum ADS Settings

Connections: 10	Work Areas: 125
Tables: 250	Index Files: 300
Data Locks: 500	

7. Click **Exit** to close the ADS Configuration Utility.
8. Select [*Start>Settings>Control Panel*]. Double click on the **Services** icon. In the Services window, select "Advantage Database Server" then click **Stop the service**. Wait for the service to stop.
9. When the Advantage service has stopped, click **Start the service** to restart it. Verify that "Started" and "Automatic" is listed next to "Advantage Database Server" in the Services window, then click the **Close** button.
10. In the Control Panel, double click on the **System** icon to open the System Properties dialog. To get the best performance from the Advantage Database Server, click the **Performance** tab and set the Application Performance Boost to "None". If you are concerned about changing this setting, see NT Foreground Performance Boost at the end of this chapter.
11. Continue with Initializing the CharterLog XMS Data Folder below.

### Initializing the CharterLog XMS Data Folder

The following procedure will establish a dedicated folder on the server hard drive for holding the CharterLog XMS data files, and will initialize the folder with empty files.

1. Locate the CharterLog XMS Data Manager icon on the server desktop and double click it.
2. Type a fully-qualified path into the Data Path field. If in doubt as to what path to choose, a good choice is "C:\CLXMData".
  -  **Important!** If the data folder was previously initialized, the Data Path field will already contain a path. If this is the case, do not change this path without consulting your network administrator.
3. Click the **Check Files** button. The data manager will create the folder, if necessary, then initialize the data files.
4. Click the **Close** button to exit from the data manager.

This completes the Server Setup. Continue with Workstation Setup in the next section.

## 3.3 Workstation Setup


Perform the following steps for each workstation from which you will be running CharterLog XMS.

### Installing the CharterLog XMS Program Files

1. If you have a CharterLog XMS CD, insert it into the CD ROM drive. The CD will auto-start and display the CD window. If the CD does not auto-start, select [*Start>Run...*] to open the Run dialog. Click **Browse** and locate CDROM.EXE on the CD drive. With this file selected in the Run dialog box, click **OK**.
2. Click **Client Setup** in the CD window.

3. If you are installing from the Internet, download the install file ("CLX[nnn]\_CLIENT.EXE", where nnn is the version number) and place on the workstation Desktop. To begin the install, run the file.
4. Step through the install screens. If you are unsure about the install options presented on a screen, accept the preset options and click **Next** > to proceed to the next screen. When you get to the last screen, click **Finish** to complete the installation.

## Initializing CharterLog XMS

 If any error messages appear during the initial startup phase, make a note of the text of the error message and the error number (if any) and report it to your network administrator.

1. Double click the CharterLog XMS icon on the desktop. If the Registration Dialog appears, enter your System ID, Serial Number and Registration Code. These numbers and associated instructions are enclosed in the CD ROM envelope, or in the EMail sent to you when you purchased the program. If you are evaluating CharterLog XMS, click **OK** to proceed past the Registration Dialog.
2. If a Browse For Folder dialog box appears, use this dialog to locate the CharterLog XMS data folder (set up in the previous section) on your server drive. Select this folder then click **OK**. If you are not sure where the data is located, contact your network administrator. At this point, CharterLog XMS should establish a connection with the server, open the data files, and display the main program window.

## Importing CharterLog v3.x Data

The CharterLog XMS Data Manager includes a utility which performs a "raw" import of all data records from CharterLog v3.x. The procedures for running this utility are given below. However, if you have been using your existing CharterLog to track Aircraft Maintenance, additional manual "clean up" procedures may be necessary. If you require assistance, contact Polaris Microsystems. *There is no additional charge for this service.*

 The following assumes that the Server Setup procedures (see above) has been performed on the Server where the existing CharterLog data resides.

 The import process may take a long time, depending on the size of your existing CharterLog database.

1. Shut down CharterLog XMS and your existing version of CharterLog on all workstations.
2. Log into the Server machine and start the CharterLog XMS Data Manager (double click on the desktop icon).
3. Click **Import from CharterLog v3.x** and follow the onscreen instructions.

## 3.4 Understanding the ADS Service

The Advantage Database Server™ is designed to run as a Windows "service" in order to provide the most robust and safest database management possible. (See Understanding Windows Services below for a brief explanation of NT services.) As a service, the ADS has better control over how and when the program is started and shut down. For example, if the startup type Automatic was selected during installation, the ADS will automatically start when the server is powered-up or reset. This provides a benefit over regular applications because it does not require a user to log in and start the ADS after a power failure or other unexpected shut down.

The default installation option is for the ADS service to be configured to start automatically when the server is powered-up. The following procedure can be used to verify that the ADS service is running after installation, or to manually start or stop it if necessary.

1. Open the Windows Control Panel. [*Start>Settings>Control Panel*]

2. Double click on the **Services** icon. Choose the "Advantage Database Server" from the list provided.
3. Click either **Start the Service** or **Stop the Service**, as required.

## Understanding Windows Services

In Windows NT/2000/XP, many server-side programs act as a service. Unlike regular applications, services run in the background providing application support and have no user interface of their own. Most services can be started, stopped, paused, and continued. Windows services are controlled through the Windows Service Control Manager. The Services dialog box lists all installed services and their current status.

Services information includes the following:

- Server status — relates the current status of the service (started, stopped, or paused)
- Startup options — allows you to select the startup type for the selected service (automatic or manual)
- Startup parameters — the startup parameters box allows you to specify startup parameters to a particular service.

### Windows Foreground Performance Boost

Windows NT/2000/XP allows foreground processes (applications that are run directly from the server console) to be given priority in the dispensing of CPU time. Windows refers to this feature as "Application Performance Boost". However, services such as the ADS run as background processes. If foreground processes are given a performance boost, the performance of all services, including the ADS will suffer. Typically the only foreground processes run on the server are maintenance and backup processes which are not performance-critical tasks. Therefore, it is usually advantageous to turn off the foreground performance boost feature.

## 3.5 Uninstalling CharterLog XMS

### Uninstalling Workstation Files

 Perform the following steps on each applicable workstation.

1. Select [*Start>Settings>Control Pane*] to open Control Panel, then double click the **Add/Remove Programs** icon.
2. Select "CharterLog XMS Client" in the programs list, then click **Remove**. Follow the on screen instructions.

### Uninstalling Server Files

 You must be logged onto Windows NT/2000/XP as a user with Administrative Privileges in order to uninstall the server files.

1. Select [*Start>Settings>Control Panel*] to open Control Panel,
2. Double-click on **Administrative Tools**, then double click the **Services** icon.
3. Locate and select the "Advantage Database Server" service, then click on **Stop the Service**. Leave the Control Panel open.
4. Select [*Start>Programs>Advantage Database Server>ADS Service Uninstall*]. This will remove the ADS from the Windows Service Manager.
5. If necessary, [*Select Start>Settings>Control Pane*] to open Control Panel, then double click the **Add/Remove Programs** icon.
6. Select "Advantage Database Server for Windows NT" in the programs list, then click **Remove**.

7. Select "CharterLog XMS Server" in the programs list, then click **Remove**.