Chapter 1
Overview

Introduction

This manual explains how to incorporate R&R reports into your Windows applications, whether you are using the R&R Runtime or distributing reports for use in interactive R&R. Using the Runtime, you can call reports from within an application program just as you might call any other program module.

For example, you might develop an Order Entry application that calls the Runtime to produce order forms, mailing labels, and invoices designed with R&R. Users can then access these forms and reports from Windows or from a Windows application without using interactive R&R.

Organization of the Manual

Chapters 2, 3, and 4 of this manual explain three methods for accessing the R&R Runtime:

❑ You can directly access the Runtime executable (RRWRUN.EXE) using a control table or file. This method is explained in Chapter 2, "Using the R&R Executable."

❑ The Runtime DLL provides an Application Programming Interface (API) that is suitable for use by any high-level programming language. See Chapter 3, "Accessing the Runtime DLL," for details.

❑ The R&R Visual Basic Custom Control (VBX) simplifies R&R Runtime access for Visual Basic applications. Chapter 4, "Using the R&R Custom Control," explains this method.

The remaining chapters in this manual provide information for application developers who are creating R&R reports for use in the Windows environment, whether the reports will be run via the Runtime or interactively:

❑ Chapter 5, "R&R Open Scripting," explains how developers can pass a user-specified report specification to interactive R&R by means of a script file.

❑ Chapter 6, "Interfacing to Application DLLs," explains use of R&R's CDLL( ) function to call a Windows Dynamic-Link Library (DLL) function from an R&R report.

❑ Chapter 7, "Distributing Reports," provides information useful to application developers who are creating reports for distribution to other users.

❑ Appendix A, "Runtime Equivalencies," shows the equivalencies among the Custom Control properties, DLL routines, and Runtime executable control parameters, as well as the default value for each where applicable.

❑ Appendix B, "Creating a Report Dictionary," explains how to create a report dictionary to provide descriptive information about Xbase database fields.

Runtime Requirements

To run the Runtime, you need the following:

❑ The Runtime program (RRWRUN.EXE), which is installed in the R&R program directory if you choose to install the optional Runtime files during R&R Setup.

❑ All Runtime distribution files required for your particular application. See Chapter 7, "Distributing Reports," for a complete list of required and optional files.

❑ A minimum of 500 KB of available memory for execution.