



# NECS ODBC 64-Bit Driver Features



## 1 ODBC Overview

This document will assist you with the installation of the **NECS ODBC 64-Bit Driver**. This installation is required for the **entrée** system to run successfully on a computer with a 64-bit operating system (OS).

The **NECS entrée ODBC** (Open Data Base Connectivity) database driver opens up your **NECS entrée system** to other Windows applications, making your **entrée** software “ODBC Compliant”.

Once installed, other Windows applications such as Microsoft Access, Filemaker, Crystal Reports, Paradox, etc... will allow you to view and import your **entrée** data files.

First some background information to provide you with an understanding of the technology.

Open Database Connectivity (**ODBC**) is a widely accepted application programming interface (API) for database access. ODBC is a standard protocol for programs (such as Microsoft Access) to obtain access to SQL database servers (such as Microsoft SQL Server or Oracle).

ODBC is designed with the ability of a single application to access different database management systems (DBMSs) with the same source code. Database applications call functions in the ODBC interface, which are implemented in database-specific software components called drivers which interface between an application (the **entrée** system) and a specific DBMS.

An ODBC driver enables an ODBC-compliant application to use a data source, normally a DBMS. The use of a driver isolates applications from database-specific calls in the same way that printer drivers isolate word processing programs from printer-specific commands. Because drivers are loaded at run time, a user only has to add a new driver to access a new DBMS; it is not necessary to recompile or relink the application.

After you have installed an ODBC driver from the driver's setup program, you must define your data sources for it. A data source associates a particular ODBC driver with the data you want to access through that driver.

The user and system data sources that are defined for all currently installed drivers are listed in the User DSN or System DSN tabs of the ODBC Data Source Administrator dialog. The file data sources in a given directory are listed in the File DSN tab; the directory to be shown is entered in the Look in box in the File DSN tab.

- To manage a data source that connects to a 32-bit driver under 64-bit OS platform, use c:\windows\sysWOW64\odbcad32.exe.
  - To manage a data source that connects to a 64-bit driver, use c:\windows\system32\odbcad32.exe.
  - In Administrative Tools on a 64-bit Windows 8 operating system, there are icons for both the 32-bit and 64-bit ODBC Data Source Administrator dialog.
-

### **32-Bit vs. 64-Bit Clarification**

The only ODBC driver that we have for CodeBase is a 32-bit driver and it is therefore NOT compatible with 64-bit applications. (The "bitness" of the driver must match the "bitness" of the application attempting to use that driver.)

This installer is apparently being represented as containing a 64-bit driver but is simply a repackaging of the original 32-bit driver. We repackaged the driver in a 32-bit installer so that it would work on 64-bit systems but the driver still requires that the accessing application be a 32-bit application.

Suggestion if you need to manipulate entrée data using a 64-bit application then the only real choice is to use a 32-bit application to extract the relevant data to an intermediate database. Then you will manipulate the data from the intermediate database. Software available to serve as the intermediate database and a place to manipulate your data include LibreOffice or OpenOffice which are free.

The only other alternative you have in this situation is to upgrade to entrée V4 SQL because there is a 64-bit ODBC driver for Advantage.

\* Information Sources: <http://support.microsoft.com>  
<http://msdn.microsoft.com/en-us/library/ms712362%28v=vs.85%29.aspx>  
<http://msdn.microsoft.com/en-us/library/ms710220%28v=vs.85%29.aspx>

## 2 Technical Requirements

ODBC 2.5 compliant, ODBC 3.0 compatible.

The ODBC Driver is installed on the workstation(s) you wish to grant access to. Note that users who do not have this driver installed on their workstation, will not be able to utilize its functionality.

### Workstation Requirements

- Windows 7 /Windows 8
  - Intel 15 or greater
  - 4 GB RAM
  - 1360 X 768 minimum monitor resolution
  - 60 GB hard drive
  - Internet connection
-

### 3 Contact NECS



- Please visit our website at [necs.com](http://necs.com) to learn about our other add-on modules, products and services.
- If you would like more information about [entree.PEN](http://entree.PEN), the Anoto Digital Pen interface, please contact NECS Sales by emailing [Anoto@necs.com](mailto:Anoto@necs.com).
- Contact our **NECS Sales Department** at [sales@necs.com](mailto:sales@necs.com) for more information.
- Contact the **Tech Support Department** at [tech@necs.com](mailto:tech@necs.com) for assistance.
- For information about current NECS software training classes use this link: [necs.com/training.php](http://necs.com/training.php)

**NECS, Inc.**

322 East Main Street, Third Floor  
Branford, CT 06405

**Office Hours:** Monday - Friday from 8:30AM EST - 5:30PM EST

**Toll Free:** 800.766.6327 (NECS) **Phone:** 475.221.8200 **Fax:** 203.208.0889