# TECHWARE
## Engineering Applications, Inc.

# Installation Instructions

# Your Guide to Installing and Getting Started with DeskTop Steam Calculator Version 4.0

# Welcome to DeskTop Steam 4.0 from
# Techware Engineering Applications, Inc.

**DeskTop Steam** Version 4.0 provides accurate steam and water property functions which can be accessed through *DeskTop Steam*, our interactive steam property calculator. The software includes 32-bit and 64-bit versions and can run under Windows Windows 95, 98, NT, 2000,  XP, Vista or Windows 7.

## System Requirements

The minimum system requirements needed to use **DeskTop Steam** Version 4.0 include:

- Microsoft Windows 95, 98, NT, 2000, XP, Vista or Windows 7.
- All other hardware required by your version of Microsoft Windows.
- Approximately 2.8 MB of free disk space

## Multi-User Licenses

If your **DeskTop Steam** license allows more than one concurrent user, then you may repeat the installation on as many computers as indicated on your license.  In each installation, you will use the same serial and authorization numbers.

## Preparing for Installation

### Locate Your Serial and Authorization Numbers
You will find your serial number and authorization number on the license document we sent you with your purchase.  You will be asked for these numbers during the installation process.  These are your unique numbers.  Be sure to store them in a safe and secure place.

If someone else wishes to try **DeskTop Steam** on his computer, **do not** give him your numbers.  You are responsible for keeping these numbers private.  Instruct them to visit our website where they can download a copy for a 30 day evaluation.

If you are installing **DeskTop Steam** as a demo you will not need a serial number, however, if you try to install **DeskTop Steam** as a demo after the evaluation period has expired, you will be prompted for a demo number.  If you require a second evaluation period, call Techware.

### Log On with Administrator Privileges
If your computer is running Windows NT, 2000, XP, Vista or Windows 7 you must be logged in with Administrator privileges for a complete installation.

### Decide Whether You Need to Installt 32-bit or 64-bit Version
**DeskTop Steam 4.0** has separate 32-bit and 64-bit installation programs.  If your computer is running a 64-bit operating system, such as Windows 7, you may install either the 32-bit or 64-bit versions of **DeskTop Steam**.  If you have a 32-bit operating system such as Windows Vista or earlier, you must install the 32-bit version of **DeskTop Steam**.  The 64-bit version will not install.

## Step-by-Step Installing DeskTop Steam (32-bit)

1. If you have already installed **DeskTop Steam** as a demo, you do not need to reinstall the software.  Just go to the "TechwareEng/DeskTop Steam" program group and click "Register DeskTop Steam"  (If you are running Windows Vista or later, right click on "Register DeskTop  Steam" and select "Run as Administrator".)  Skip ahead to Step 9.

2. Download the **DeskTop Steam** software from our website at [http://www.techwareeng.com/DIDTS40.html](http://www.techwareeng.com/DIDTS40.html) Open Windows Explorer, and find the **DeskTop Steam** file that you downloaded from our website.  Double click the file "DTSteam40x86.exe" to begin the installation.

3. In the **Welcome** dialog box, press *'Next'*

4. In the **Software License Agreement** dialog box, select "I agree…" and press *'Next'*.

5. In the **Choose Destination Location** dialog box, press '*Next'* to accept the default location.  Press '*Browse*' to select an alternate location then press '*OK*' and then '*Next*' to continue.

6. In the **Shortcut Folder** dialog box, press '*Next'* to accept the default location for shortcuts.  You may change the shortcut location or make the shortcuts visible only to the current user if you wish.

7. In the **Ready To Install** dialog box, press '*Next*' to proceed.

8. In the **Product License Verification** dialog box, press the "Enter License Numbers" button if you have your Serial and Authorization numbers; enter them then press '*OK*' and then *'Done'*.  If you are installing DeskTop Steam as a demo, press the 'Demo' button.  You should receive a notice that you have 30 days to evaluate the software.

9. Press *'Finish'* to complete the installation.

# Step-by-Step Installing DeskTop Steam (64-bit)

1. If you have already installed **DeskTop Steam** as a demo, you do not need to reinstall the software. Just go to the "TechwareEng/DeskTop Steam (x64)" program group and right click on "Register DeskTop Steam" and select "Run as Administrator". Skip ahead to Step 9.

2. Download the **DeskTop Steam** software from our website at http://www.techwareeng.com/DIDTS40.html Open Windows Explorer, and find the **DeskTop Steam** file that you downloaded from our website. Double click the file "DTSteam40x64.exe" to begin the installation.

3. In the **Welcome** dialog box, press *'Next'*

4. In the **Software License Agreement** dialog box, select "I agree…" and press *'Next'*.

5. In the **Choose Destination Location** dialog box, press '*Next'* to accept the default location. Press '*Browse*' to select an alternate location then press '*OK*' and then '*Next*' to continue.

6. In the **Shortcut Folder** dialog box, press '*Next'* to accept the default location for shortcuts. You may change the shortcut location or make the shortcuts visible only to the current user if you wish.

7. In the **Ready To Install** dialog box, press '*Next*' to proceed.

8. In the **Product License Verification** dialog box, press the "Enter License Numbers" button if you have your Serial and Authorization numbers; enter them then press '*OK*' and then *'Done'*. If you are installing DeskTop Steam as a demo, press the 'Demo' button. You should receive a notice that you have 30 days to evaluate the software.

9. Press *'Finish'* to complete the installation.

# Getting Started

### *Using the DeskTop Steam Calculator*

*DeskTop Steam* is a Windows program that calculates the thermodynamic and transport properties of steam and water. It calculates all unknown properties when a state point is defined by two known properties. *DeskTop Steam* allows you to label and store a collection of state points, which can be printed in a table or copied to the clipboard and pasted into other Windows applications.

You can launch *DeskTop Steam* by clicking the Windows '*Start*' button then go to '*All Programs'*, '*TechwareEng*' folder, '*DeskTop Steam*' folder and click "DeskTop Steam'.

Once you have started *DeskTop Steam*, you can get specific instructions for using it from the Help Menu. We suggest that you start by clicking "DeskTop Steam Topics" on the Help 'Contents' tab and review the topics in order.

You can find operating instructions for *DeskTop Steam* in Chapter 2 of the User's Manual as well. You can find a link to the "**DeskTop Steam** User's manual" in the "TechwareEng\DeskTop Steam" program group."