

What's New in SmarTerm?

Welcome to SmarTerm v10. This document provides an overview of the installation procedure for SmarTerm as well as a summary of its newest and most popular features. Further information is available in the online and printed documentation that came with SmarTerm, as well as the online help and Release Notes. Esker also provides technical support through its website (www.esker.com). For contact information within SmarTerm, select Help>Technical Support.

If you are evaluating SmarTerm, and you have any questions during your evaluation, one of our Sales Representatives is available to assist you at 1-800-368-5283 (U.S. and Canada), 608-273-6000, or at 33.4.72.83.46.46 (European Headquarters).

Online Installation Guide

To see an online version of the *Installation Guide* guide, look in the Smarterm\Program files\Per-soft\STOffice\Manuals directory on the SmarTerm CD and you'll see MUNTE.PDF. Use Adobe Acrobat Reader, version 3.0 or higher, to read or print this book prior to installation.

How to start

To begin using this CD, follow these steps:

1. Insert the CD in your CD-ROM drive.
 - If the Autorun feature is enabled on your PC, the CD Browser appears automatically.
 - If the Autorun feature is not enabled, run Windows Explorer or click on "My Computer" and change to your CD-ROM drive. Then, begin LAUNCH.EXE on the Connectivity Solutions CD by double-clicking the program icon.
2. Install SmarTerm.
3. Use the information in this booklet to explore some of the features of SmarTerm version 10.

New security features

SmarTerm v10 incorporates SSL security (for AS/400) and SSH (for Unix), providing new means of encrypting data.

About SSL

Netscape originally developed the Secure Sockets Layer (SSL) protocol to provide a high level of security for Internet communications. The Internet community appears to have accepted SSL as a de facto standard, and it has also been submitted to the Internet Engineering Task Force (IETF) for validation as the official Internet standard for Transport Layer Security (TLS). SmarTerm now offers this security to AS/400 administrators and users. To create a new 5250 session using SSL:

1. Select File>New Session to start the New Session wizard.
2. On the first dialog, choose IBM 5250 display session, then click Next.
3. On the second dialog, choose Telnet connection, then click Next. The Telnet Properties dialog appears, containing four tabs that specifically relate to AS/400 settings. The Options tab contains the SSL settings.
4. Select Options tab>Connect over SSL, then click OK to begin using the session with SSL.

Accessing SSH

SSH is a Unix shell program for logging into, and executing commands on, a remote computer. It is intended to replace rlogin and rsh, and provide secure encrypted communications between two untrusted hosts over an insecure network. To create a new session using SSH:

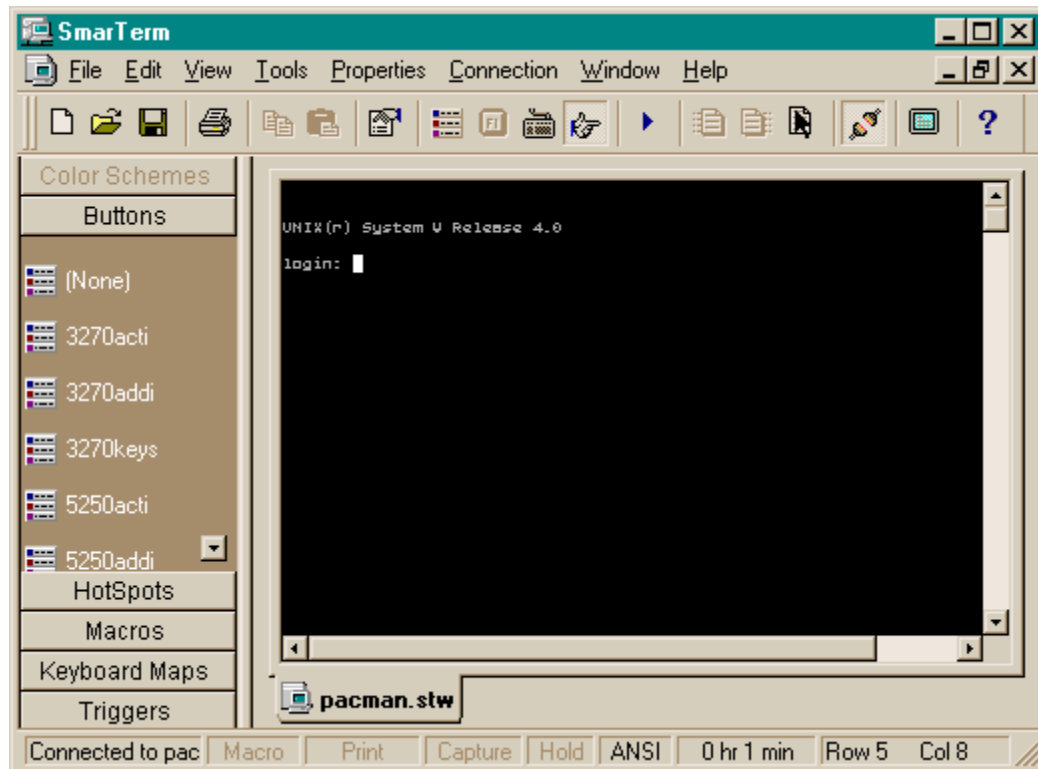
1. Select File>New Session. The New Session wizard appears.
2. On the first dialog, choose an emulator that supports the SSH connection method (ANSI, VT, SCO ANSI or WYSE), then click Next.
3. On the second dialog, choose SSH Connection, then click Next. The third SSH Properties dialog appears, containing three tabs that specifically relate to SSH settings.
 - Host tab: Specify the host name or IP address of the server on this tab.
 - SSH Connection tab: Use the fields on this tab to provide more detail about the SSH connection specifics.
 - Advanced tab: Use this tab to choose whether to use SSH version 1 or 2 and to select a cipher for the connection.
4. After completing these fields, click OK to create the new session and begin using it.
5. Select File>Save Session to save this session.

TN5250E support

SmarTerm now incorporates TN5250E terminal type support for AS/400 hosts. If the AS/400 that you are connecting to uses the 5250E terminal type, then SmarTerm will automatically use the 5250E connection method.

The Shortcut Bar

SmarTerm v10 features the Shortcut Bar, conveniently located beside all emulations, providing administrators and end users alike with a suite of powerful customization and emulation tools. It provides fully customizable touch-of-mouse access to most of SmarTerm's emulation and customization options.



The Shortcut Bar (once activated) appears to the left of all emulations by default. To open it, select View>Shortcut Bar. To use it, select the type of automation tool that you would like to use by clicking on a button on the bar. In the above example, the active automation tool is Buttons; HotSpots, Macros, Keyboard Maps, and Triggers are minimized, and Color Schemes are unavailable.

Perform any of these actions using the Shortcut Bar:

- Change the active automation tool type.
- Hide, display, and resize the Shortcut Bar.
- Activate or deactivate an automation tool.
- Create a new automation tool.
- Edit an existing automation tool.

Change the active bar

Each button on the Shortcut Bar offers access to a different and customizable set of automation tools. To change the active shortcut bar:

1. Click on any available Shortcut Bar button. Available buttons have black text labels, rather than gray text labels. The Shortcut Bar button moves to the top of the active area, and the automation tools associated with that button appear in the active area of the Shortcut Bar.

In the previous example, the user could open HotSpots, Macros, Keyboard Maps, or Triggers, but not Buttons (because it is already open) or Color Schemes (because it is not available for this emulation type).

Hide, display, and resize the Shortcut Bar

Users may hide or resize the Shortcut Bar to create more room for the emulator in the SmarTerm window. Users may display a hidden Shortcut Bar to access its automation tools.

1. Resize the Shortcut Bar by moving the mouse pointer over the divider between the Shortcut Bar and the emulator. The cursor becomes a double-headed arrow.
2. Click and hold the left mouse button, drag the divider to the desired width, then release the mouse button. SmarTerm automatically resizes the text in the emulator to fit the new width of the emulation frame.
3. Hide the Shortcut Bar by right-clicking one of the active buttons, then choose Hide Shortcut Bar from the popup menu.
4. Display the Shortcut Bar by selecting View>Shortcut Bar.

Activate or deactivate an automation tool

To activate, change, or deactivate an automation tool using the Shortcut Bar:

1. Click a button on the bar to select the tool type that you need.
2. Click one of the icons in the active area of the Shortcut Bar to activate that automation tool.
3. To change from one automation tool to another of the same type, click another icon in the active area of the Shortcut Bar. This deactivates any active automation tools (like a toolbar) and replaces it with another (selected) automation tool of the same type.
4. To deactivate all automation tools of a certain type, click on the None icon in the active area of the Shortcut Bar.

Create a new automation tool

The Shortcut Bar places the ability to create new automation tools at the user's fingertips. To create a new tool:

1. Right-click the button of the tool type that you will create.
2. Select New <tool> (Button, HotSpot, Keyboard Map, etc.). The creation dialog for the automation tool you have selected appears.
3. Complete the fields on that dialog to create a new automation tool.

Edit an automation tool

The Shortcut Bar places the ability to edit automation tools at the user's fingertips. To edit a tool:

1. Click a button on the bar to select a tool type.
2. Right-click an icon in the Shortcut Bar, then select Edit. The editor for the selected automation tool type appears.
3. Complete the fields on that dialog to modify the selected tool.

Using SmarTerm's automation tools

To experience some of the SmarTerm automation features that administrators and end users can create, experiment with the following examples that explain how easy they are to use and create.

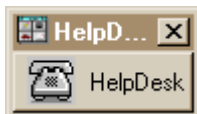
Automating tasks with SmarTerm Buttons

Tedious menus and repetitive steps are productivity killers in any environment. With SmarTerm Buttons, you can automate many of these tasks, increasing productivity and decreasing training and support costs. You can use SmarTerm Buttons to do any of the following tasks:

- Run macros.
- Stop a running macro.
- Send text to the host.
- Open a different set of SmarTerm Buttons.

In this next example, you'll create a sample button that automatically types the help desk number on the screen. Try SmarTerm Buttons by following the next steps:

1. Select Tools>SmarTerm Buttons.
2. In the File Name field, type the word HelpDesk as a file name for your button.
3. Click Create/Edit. Now you're in the SmarTerm Buttons editor, which has created a new button for you (upper-left of screen).
4. In the Text field, replace the word Undefined by typing the word HelpDesk as your button name. Notice the word becomes part of the button.
5. Click Browse, which is next to the Picture field.
6. Highlight E-mail picture group (Email.grf), then click on any picture displayed in the Image field. For this example, select the gray telephone.
7. Click Open to select the picture you like. Notice the picture becomes part of the button.
8. Type in a description of the button, such as For all problems. This becomes the description a person sees when they place the mouse over the button (called a Dynamic Information Line).
9. Make sure the Button Action field is set to the Send String choice.
10. Enter this line in the String to Send to host field: The Help Desk number for your area is x5555
11. Click Save. Your button will look like this:



To test your new button, click the new HelpDesk button. SmarTerm automatically types the line containing the help desk number.

This simple example demonstrates how easy it is to create SmarTerm Buttons for repetitive tasks. In a corporate environment, an administrator could create several Help Desk buttons with different extensions. Then, if the extensions changed, the administrator could update the buttons once, and all users would have the new information. The button now appears automatically on the Shortcut Bar under Buttons.

Easing host data entry with Dialog View and HotSpots

SmarTerm's Dialog View makes an IBM terminal screen look and act more like the Windows environment, by changing the screen to a three-dimensional look. To update a screen to Dialog View, select View>Dialog View from the SmarTerm menu.

Note the following changes related to Dialog View:

- The screen changes to a gray background.
- The type-in lines become text boxes.
- Fill-in fields become text boxes.

You can customize the screen further by using the HotSpots feature, which lets you create areas on the screen that you can click with your mouse for more efficient use of your existing host applications. These HotSpots work the way buttons do in a Windows application.

SmarTerm comes with several default HotSpot files for each emulation type, which load automatically when you select View>Dialog View. The default HotSpot file for IBM emulations changes all function key strings into buttons.

HotSpots are available for all emulation session types except ANSI and SCO ANSI. The following are just some of the things that you can do with HotSpots:

- Send a string to the host.
- Run a macro.
- Load or unload SmarTerm Buttons.

In the following example, we'll show you how to change numbered options (1. Data, 2. Select, and so forth) into areas that you can click with your mouse:

1. Select Tools>HotSpots. The HotSpots dialog appears, with the default file (IBM5250.HOT) already loaded and appearing in the File Name field. (If this field were blank, you would type in a file name at this point.)
2. Click Create/Edit. The HotSpots Editor dialog appears.
3. Do the following, in order:
 - Click Add. The cursor moves to the HotSpot String field. This field contains the exact text SmarTerm will look for on the display screen.
 - Type 1. Data, which is the exact text as it appears on the screen. Notice the Display String field changes as well.
 - Leave the HotSpots Action field as Send String.
 - Click in the String to Send to host field, and type 1, which is the exact text that you want entered when you click on the button.
4. Click Save to complete creating HotSpots and return to SmarTerm. The display screen should now have a button that is named "1. Data".
5. Move your terminal cursor to the Command text box. Click on the 1. Data button. The number 1 appears in the text box.

Converting PC keystrokes to terminal keystrokes

Terminal keyboards are different from PC keyboards. Keys that a user presses when using a terminal application are often different from those supported by a PC keyboard. SmarTerm allows users to remap a terminal key to a PC keyboard key in just a few steps. Map a PC key to perform any of these actions:

- Activate a keyboard map.
- Send a character string.
- Disable a PC key.
- Run a macro.
- Toggle the Num Lock key.

- Toggle the SmarTerm History key.

The default keyboard mapping provided with SmarTerm works out-of-the-box for most people. Users may modify the default keyboard map to suit individual needs. The following example shows you how to customize a keyboard map by remapping the terminal Help key to the PC's F1 key:

1. Select Tools>Keyboard Maps.
2. Highlight <Default keyboard map> and click Edit. The Keyboard Map Editor window appears:
3. Take a look at the display: the upper keyboard map is the PC keyboard; the lower keyboard map is the terminal keyboard.
4. Do the following, in order, to create your custom keyboard maps:
 - Click the PC keyboard F1 key. The key is now outlined in magenta.
 - Click the terminal keyboard Help key. The key is now outlined in yellow.
 - Click Map (between the two keyboards). You just mapped the key!
5. Select File>Save to display the Save Keyboard Map dialog.
6. Enter a name for your modified keyboard map, then click OK.
7. Select File>Exit to leave the Keyboard Map Editor window and return to SmarTerm.

Now, when you press F1, it will function as the terminal Help key.

Using online books

In addition to the manuals listed in the installation section, there are other manuals available to you online by selecting Start>SmarTerm (Product)>Online Manuals: What's New, Macro Guide, and Introducing... guides (basic information for Digital VT, Data General Dasher, WYSE, and IBM emulations). The Esker website (www.esker.com) also has additional information available in the form of technical articles.

Esker Technical Support

Esker now offers technical support from countries throughout the world. Technical support is available Monday through Friday (see *Installation Guide* for exact times in your area), while technical articles, patches, and other support information is available 24 hours a day at the Esker website www.esker.com.

United States: (608) 273-4357

Fax (608) 273-8227

Email support@esker.com

France (European HQ): (33) 472 83 46 46

Fax (33) 472 83 46 40

Email support@esker.fr

United Kingdom/Benelux/Northern Europe: (44) 1332 799 622

Fax (44) 1332 799 633

Email support@esker.co.uk

Italy: (39) 2 89 20 03 03

Fax (39) 2 57 51 18 96

Email support@esker.it

Germany/Eastern Europe: (49) 201 8 21 57 0

Fax (49) 201 8 21 57 14

Email support@esker.de

Australia/Asia/Pacific: +61.(0)2 95 65 56 88

Fax +61.(0)2 95 65 58 77

Email support@esker.com.au

Spain/Portugal: (34) 91 552 92 65

Fax (34) 91 433 55 41

Email support@esker.es

Copyright

©2001 Esker, Inc. All Rights Reserved. Esker, SmarTerm, SmartMouse, and Information Pathways to the Future are registered trademarks of Esker, Inc. All other trademarks mentioned are property of their respective owners.