DLS IV – Training Guide

Table of Contents

System Requirements

Supported Operating Systems

Windows XP Professional with Service pack 3 or higher

Windows XP Professional with Service Pack 2, Windows Installer 3.1, and kb926255 Windows Updates installed

Windows Vista

Prerequisites

The following must be installed for DLS IV to operate.

1) Microsoft .NET Framework v3.5 SP1

2) Microsoft SQL Express 2005 SP3

3) Microsoft Visual C++ 2008 Runtime (x86)

Computer Hardware Requirements

Processor: 600-megahertz (MHz) Pentium III-compatible or faster processor; 1-gigahertz (GHz) or faster processor recommended

RAM: 1GB of System Memory

Hard Disk: Up to 1 GB of available space may be required.

Display: 1024 x 768 high color, 32-bit (Recommended)

Supported Panels/Modules

Currently Supported Panels and Modules

- PC9155 Standard, CP-01, CE / EU, AUS, NZ

- PC1616 version 4.2 Standard, CP-01, CE / EU, AUS, NZ

- PC1832 version 4.2 Standard, CP-01, CE / EU, AUS, NZ

- PC1864 version 4.2 Standard, CP-01, CE / EU, AUS, NZ

- RF5132 version 5.0 All

- RF5132 version 5.2 All

- PK5500 version 1.1 All

- PC5950 version 1.1 All

- TL260GS version 1.0 North America, International

- TL265GS version 1.0 North America, International

- GS2060 version 1.0 North America, International

- GS2065 version 1.0 North America, International

Installation

Installation

Installation:

Step 1 - Install the DLS IV Updater

Step 2 - DLS IV Updater installation will check for prerequisite applications (VC++ Runtime, .NET Framwork 3.5 and MSSQL Express)

Step 3 - If missing, .NET Framework 3.5 will be downloaded directly from microsoft.com and will be automatically launched

Step 4 - If missing, MSSQL Express will be downloaded directly from microsoft.com and will be automatically launched

Step 5 - If missing, Visual C++ Runtime components will be downloaded directly from microsoft.com and will be automatically launched

Step 6 - The DLS IV Updater will launch and display the latest available DLS IV products. Choose the DLS IV Engine and any of the available driver packs you need.

Step 7 - The selected components will be downloaded directly from the DSC FTP site, and will be installed.

Step 8 - Close the DLS IV Updater software and start using DLS IV.

Installation – Security Stamp

Security Stamp Information:

The security stamp is a method used in DLS IV to insure the security of your account database. When you install DLS IV you will be asked to input a security stamp. This stamp can be any string of letters, numbers, and symbols that you wish.

The security stamp ensures that the account database cannot be moved from one computer to another, giving unwanted access to the accounts

If your DLS IV software has a security stamp which does not match up with the security stamp of the database, the authentication service will not be able to run, and you will not be able to log in to DLS IV

IMPORTANT NOTE! – Keep an accurate record of the security stamp as it is required when using an account database from a different installation (re-install or installation on a different computer).

Login

Login Information:

The default administrator username/password for DLS IV is: Username = **admin** Password = **1234** It is strongly recommended that you change the Administrator's password immediately after installing. The default username/password for earlier DSC downloading products is supported, but it is limited to "User" privileges, it is not an "Administrator" account. Username = DSC Password = 1234
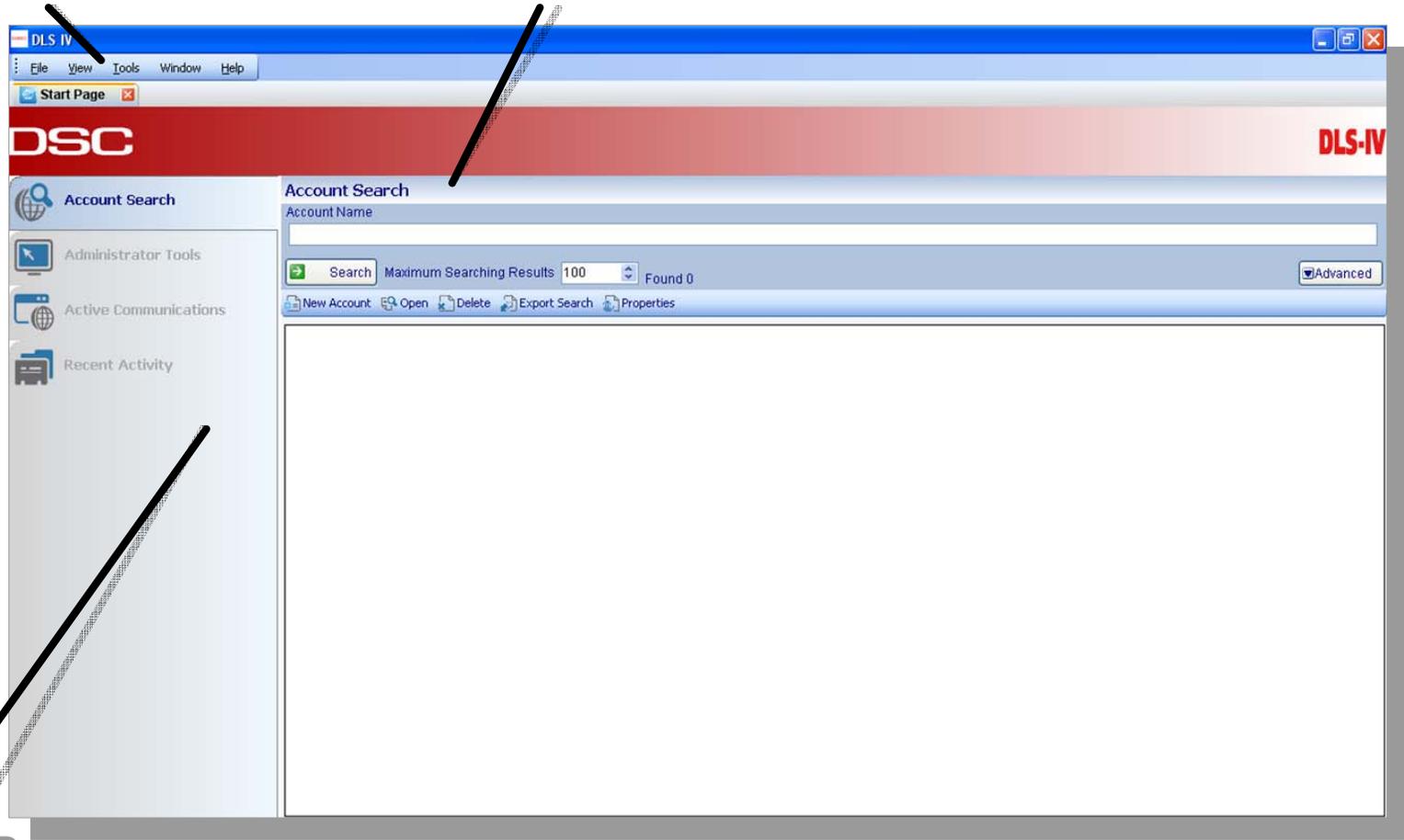
Navigation – Start Page
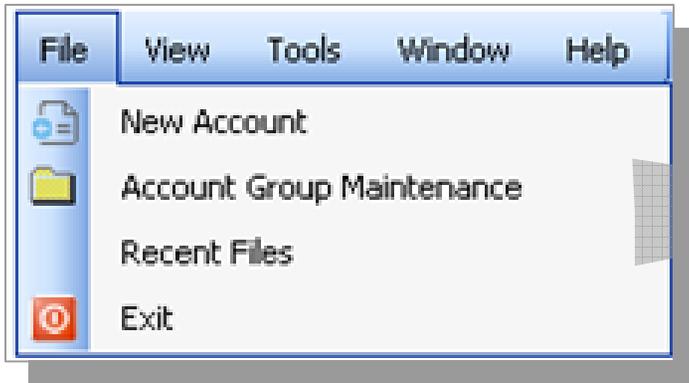
Navigation – Start Page

Main Menu

Account Search

Plugin Menu

Navigation – Start Page
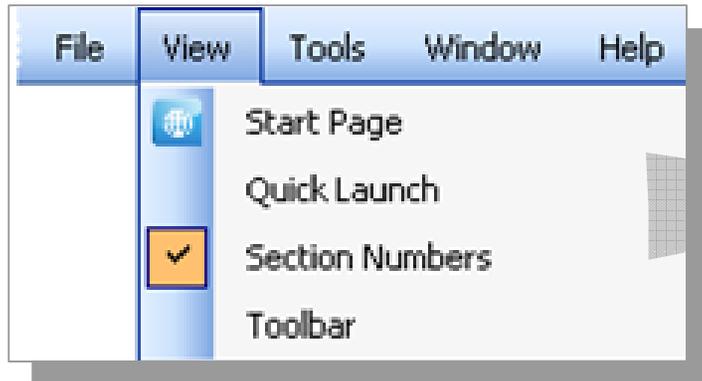
Main Menu

File:

New Account – select when creating a new customer account

Account Group Maintenance – similar to a folder allowing the user to create 'groups' to store accounts

Recent Files – List of the most recent file acessed

Exit – exit DLS IV

View:

Start Page – returns to the 'Start Page' when selected
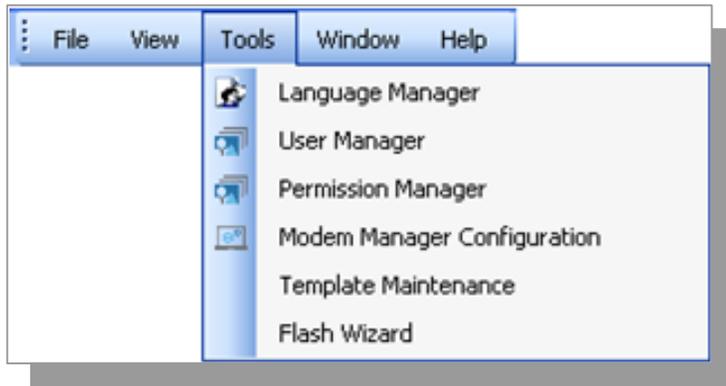
Quick Launch – enables/disables the 'Quick Launch' menu bar (appears on right side of screen when enabled)

Section Numbers – enables/disables programming section numbers when viewing account data

Toolbar – enables/disables the toolbar display

Navigation – Start Page

Main Menu

Tools:

Language Manager - create a custom language for DLS IV by translating the standard set of options and phrases
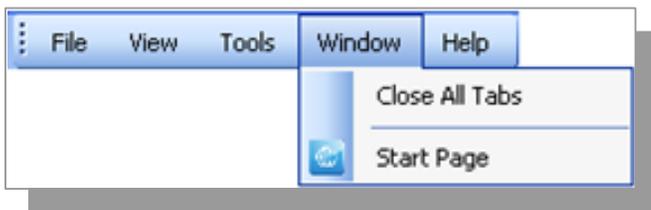
User Manager – create groups and user assignment

Permission Manager – assign software permission to groups found in 'User Manager'

Modem Manager Configuration – configure the PSTN modem and PC-LINK
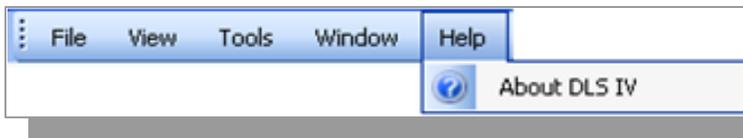
Template Maintenance – select to manage DLS IV templates

Flash Wizard – provides the ability to flash the GS30XX module

Window:

Close All Tabs – close all active windows

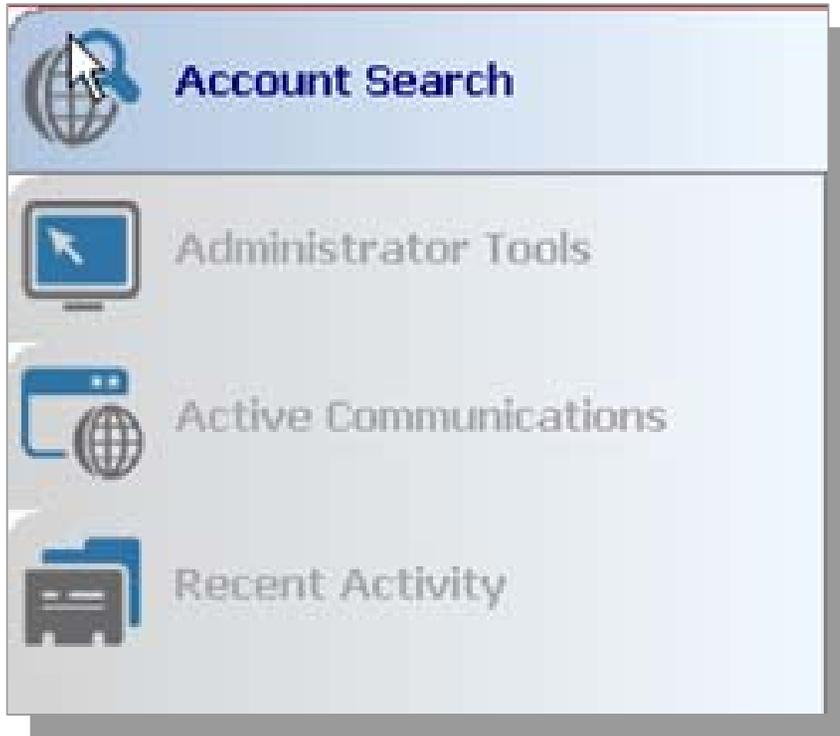**Start Page** – returns to the 'Start Page' when selected (additional open tabs will be listed below)

Help

About DLS IV – provides details about the current DLS IV installation

Navigation – Start Page

Plugin Menu

Tools:

Account Search – allows user to perform account administration

Administrator Tools – allows the user to perform various administrator tasks, such as user user online, accounts opened and deleting accounts and importing files (this plugin is only displayed when logged in as an 'admin' user)

Active Communications - allows the user to view the various communications jobs which are either currently active, failed, or queued

Recent Activity – provides the user with a list of all of the actions that have been taken recently in the DLS IV software
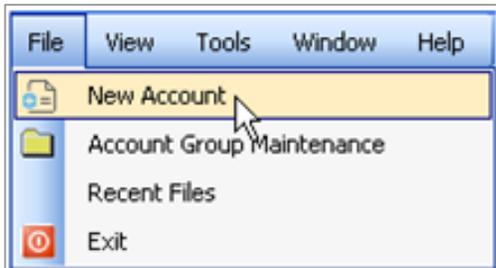
Create Account

Create Account

Basic Method:

New Account ➡ **Enter Account Information** ➡ **Create**

Step 1 – Select New Account

Method 1
- Main Menu (File)

Method 2
- Account Search (right click in search results

Method 3
- Account Search Menu

Create Account

Basic Method:
Step 2 – Enter Account Information

Account Name
- Enter the name of the account

Account Group
- Select the account group for the account*

Panel Type
- Select the panel type/version associated to the account

Connection Type
- Select the method when accessing the panel via DLS IV

Double Call
- Select if accessing using Double Call when PSTN is selected

Account Template
- Select if creating the account using the default programming or a template

Automatically Open Account
- Select if the account is required to open after created

Advanced
- Select to access advanced configuration

Create
- Select to create account

Create New Account (Basic)

General Account Info

Account Name

Account Group   📁 Root

Panel Type   PC1864 V4.2

Connection Type: PSTN

Phone Number

Double Call

☑ Yes

Account Template   (none)

☐ Automatically Open Account   Advanced   Create   Cancel

Note:
Account Group may be modified in 'Account Group Maintenance'

Create Account

Additional Information

Add Modules:

Modules must be added to the account before their respective programming options are available (i.e. Custom LCD keypads, wireless receivers etc.)

Module may be added:

      1 - 'Global Upload'.

      2 - Manually

Add modules manually as follows:

Step 1 – Select the 'Advanced' button on the account information screen while creating the account

Create Account

Additional Information

Add Modules:

Step 2 – Add the required module or modules

Steps:

1 – Select the control panel

2 – Select the required module from the list

3 – Select 'Add'

Account Navigation

DSC

Account Navigation

Active Windows

Toolbar

Program Screen

Programming Groups

Account Information

Account Navigation

Tool Bar

Save
Save current account programming

Wizards
Access to programming wizard

Global Upload
Retrieve all control panel programming

Upload Event Buffer
Retrieve the control panel's event buffer

Clear All Tags
Remove tags from account
- upload
- download

Print
Print all account information to file or printer

Panel Type/ Version
Panel type/ version for account

Change View
Change display information for the account

Option Search   Panel (PC1864 V4.2)   Groups   View

Search Account Data
Search for information in the account

Global Download
Send all account information to the control panel

Communicate Tags
Execute all selected tags

Module Auto Detect
Detect modules currently connected to the control panel

Disconnect When Complete
Automatically terminate the connection between DLS IV and the control panel once all required jobs are complete

Print Preview
Preview the account information prior to printing

Groups
Select to list/ select programming groups

Account Navigation

Programming Groups

User
- User code/attributes
- Open/close reporting codes

Zones
- Definition/attributes
- Partition
- Reporting codes
- Supervision
- Status

Communication
- Telephone numbers
- Format
- Reporting codes
- Options
- Call directions

DLS
- Enable
- DLS access codes

Wireless
- Zones
- Keys
- Options

Event Buffer
- Upload
- Display

Users
Partitions
Zones
Event Schedule
Communications
System
DLS
PGMs
Wireless
Keypad
Event Buffer
Status

Partition
- Times
- Auto arm/disarm
- Partition status

Event Schedule
- Auto arm
- Auto disarm
- Holiday schedule

System
- Installer code
- Master code
- Installer lockout
- System times
- System toggle options
- Status (module and trouble)
- Functions

PGM
- Option
- Attributes
- Partition
- Selection

Keypad
- Lockout
- Keypad toggle options
- Keypad zone assignment

Status
- System
- Partition
- Zone
- Trouble

Account Navigation

Additional Information:

Properties
Customer Details

Recent Activity
Filtered list of recent activity events pertaining to the open account.

Active Communications
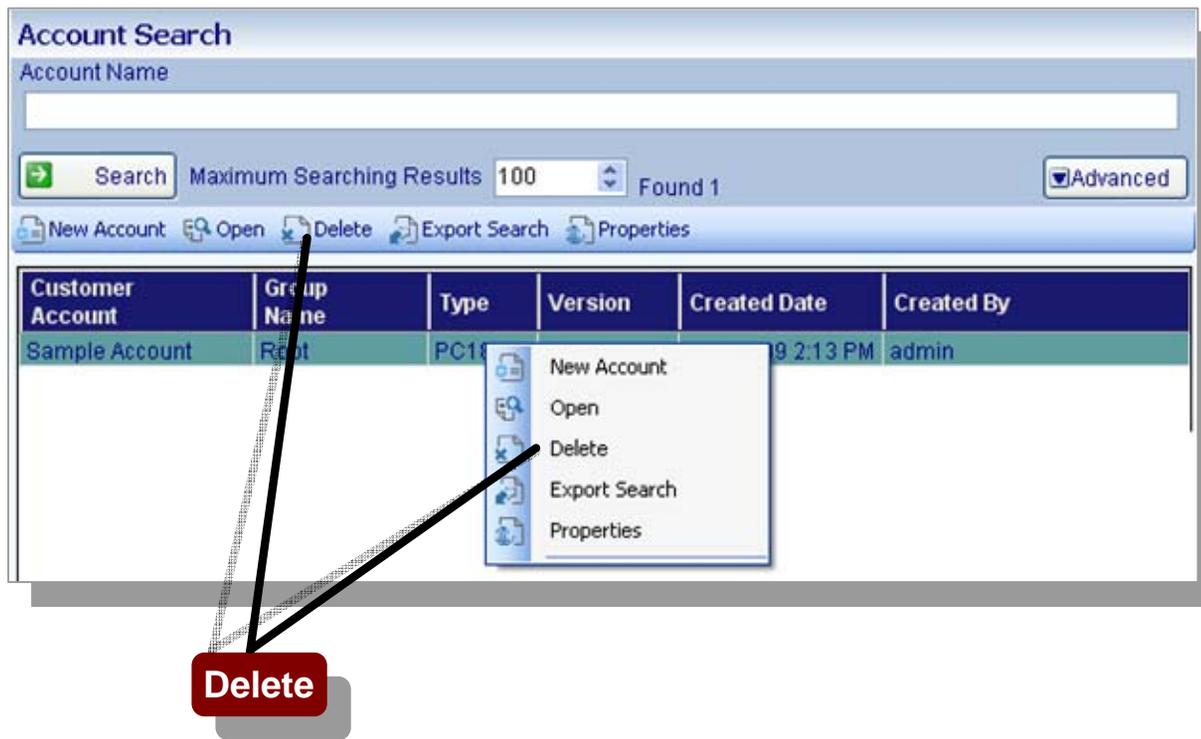Details based on current control panel communications

Delete Account

Delete Account

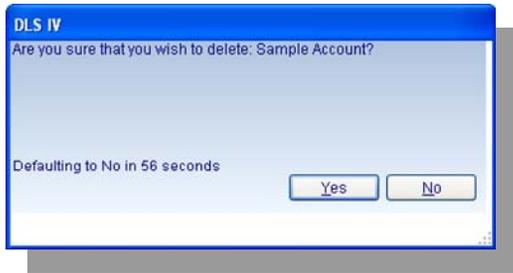**Delete Account**

Tag for delete ➡ Remove account

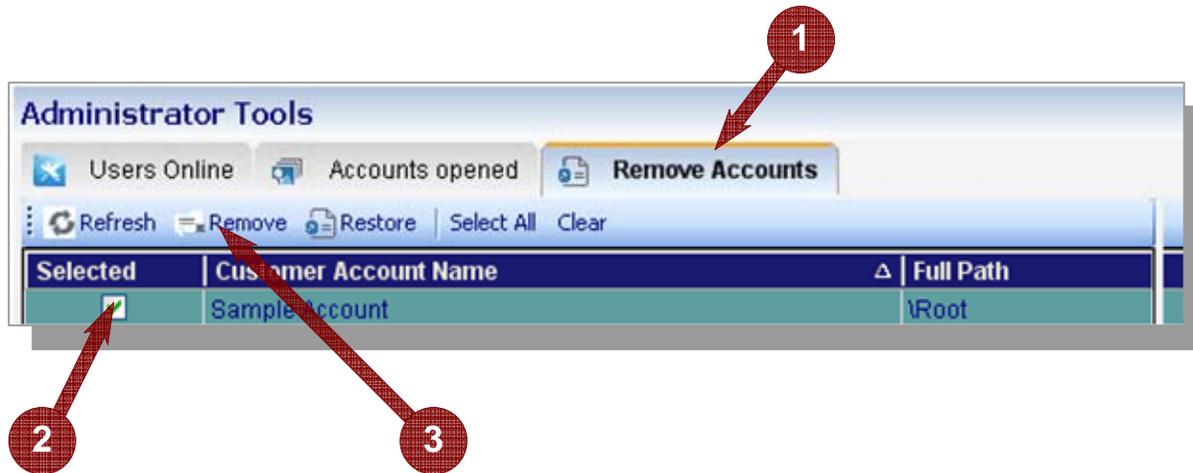Step 1 – Tag the account for deletion by right clicking and selecting 'Delete account' or 'Delete' from the Account Search toolbar

Delete Account

Delete Account

Step 2 – A confirmation window will appear, select 'Yes'. The account will be highlighted in red

DLS IV
Are you sure that you wish to delete: Sample Account?

Defaulting to No in 56 seconds

[Yes] [No]

Step 3 – Select 'Administrator Tools' from the plugin menu

①

Administrator Tools

Users Online   Accounts opened   **Remove Accounts**

Refresh   Remove   Restore | Select All Clear

Selected	Customer Account Name	△	Full Path
☑	Sample Account		\Root

②   **③**

Steps:

1 – Select the 'Remove accounts' tab

2 – Select the account or accounts to be deleted

3 – Select 'Remove'*

* If logged in as an administrator user, hold the 'shift' key while deleting and account will permanently remove the account

Communications

Communications

PSTN

PSTN stands for Public Switched Telephone Network. This method is the most common. In order to connect to a DSC panel over the telephone line, you will need an MD-12 or Multitech 56k modem connected to a free serial port on your computer, a free phone line for the modem, and the telephone number that the security panel is connected to on site.

PC-Link

PC-Link is a method of connecting to a DSC panel by connecting a serial port on your computer directly to the security panel.

Ethernet/Internet

The TLINK and Ethernet/Internet connection methods refers to connecting to the security panel via a TLINK module which allows connection via a local or wide area network.

TLINK: This refers to the TL-250 module. Select this connection type if you wish to connect to the PowerSeries system via a TL-250 module.

Ethernet/Internet: This refers to the newer version TL260GS, TL265GS, GS2060 and GS2065 . Select this connection type if you wish to connect to the system via one of these modules.

Communications - PSTN

Required Setup

DLS IV Setup

Ensure that PSTN is selected as the 'Communications Type' for the account

Steps:

1 – Select 'PSTN' from the 'Connection Type' menu

2 – Enter the control panel telephone number

3 – Select 'Double Call' if required
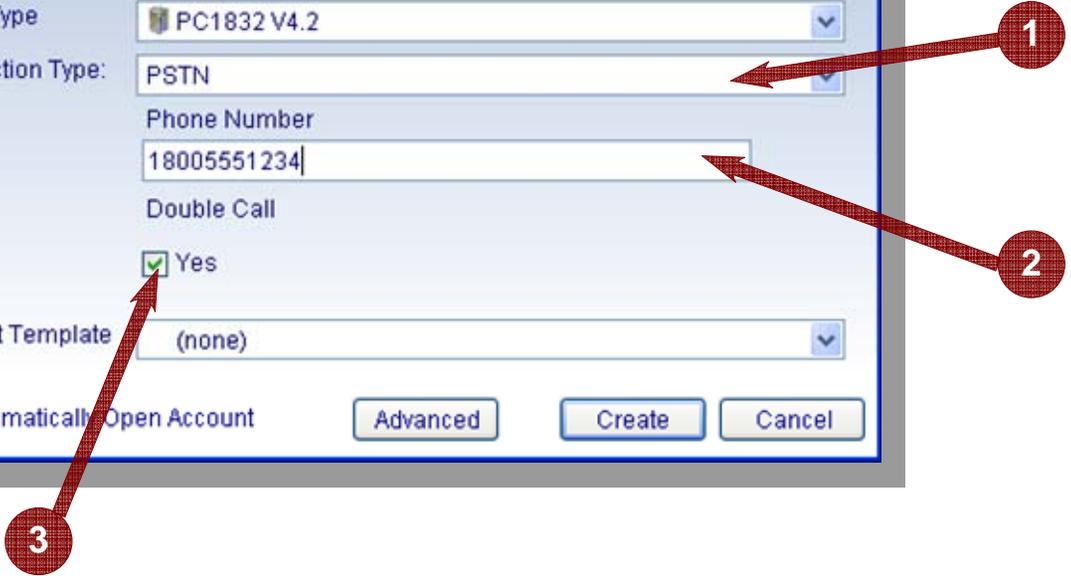
Communications - PSTN

PSTN

Control Panel

- Program the required DLS parameters

Establishing a connection

Step 1 - Initiate communication from DLS IV:

Global upload

Global download

Tagged communication

Step 2 – Wait for the control panel to answer by either:

After a set number of rings (determined by control panel's downloading configuration)

Double Call (automatic by default)

Communications – PC-LINK

Required Setup

DLS IV

- PC-LINK is automatically added as a connection type when the account is created

- Ensure the correct COM is selected

Control Panel

Step 1 – Connect PC-LINK header to control panel

Step 2 – Connect serial connector to computer

Establishing a connection

Step 1 - Initiate communication from DLS IV:

Global upload

Global download

Tagged communication

Step 2 – Initiate PC-LINK from a system keypad (if required)

Communications – TLINK (TL250)

Required Setup

DLS IV

Ensure that IP (TLINK) selected as the 'Communications Type' for the account.

Steps:

1 – Select 'IP (TLINK)' from the 'Connection Type' menu

2 – Enter the public IP address of the TL250

3 – Enter the encryption key or leave blank for no encryption

Communications – TLINK (TL250)

Control Panel

Program the required DLS parameters

Establishing a connection

Step 1 - Initiate communication from DLS IV:

Global upload

Global download

Tagged communication

Step 2 – Control panel will automatically connect and perform the selected operation

Communications – Ethernet/Internet (TL265GS, TL260GS Only)

Required Setup

DLS IV

Ensure that Ethernet/Internet selected as the 'Communications Type' for the account

Alexor – TL265GS

PowerSeries – TL260GS

Steps:

1 – Select 'Ethernet/Internet' from the 'Connection Type' menu

2 – Enter the IP address of the TL260GS/TL265GS

Communications – Upload

Uploading refers to retrieving information from the control panel and sending it to DLS IV

There are 2 methods of uploading information:

   - Global Upload

   - Tagged Upload

Global Upload

Performing a 'Global Upload' will retrieve all of the control panel information

Select the Global Upload ICON from the account toolbar

Tagged Upload

Performing a 'Tagged Upload' will only retrieve information from programming section that were previously tagged.

Step 1 – Tag the required sections for upload

Step 2 – Select 'Communicate Tags' from the account toolbar

Upload Tag

Communications – Download

Downloading refers to sending information from DLS IV to the control panel.

There are 2 methods of uploading information:

- Global Download

- Tagged Download

Global Download

Performing a 'Global Download' will send all of the DLS IV information to the control panel

Select the Global Download ICON from the account toolbar

Tagged Download

Performing a 'Tagged Download' will only retrieve information from programming section that were previously tagged.

Step 1 – Tag the required sections for download

Step 2 – Select 'Communicate Tags' from the account toolbar

Download Tag

Communications – Event Buffer

Retrieving Event Buffer:
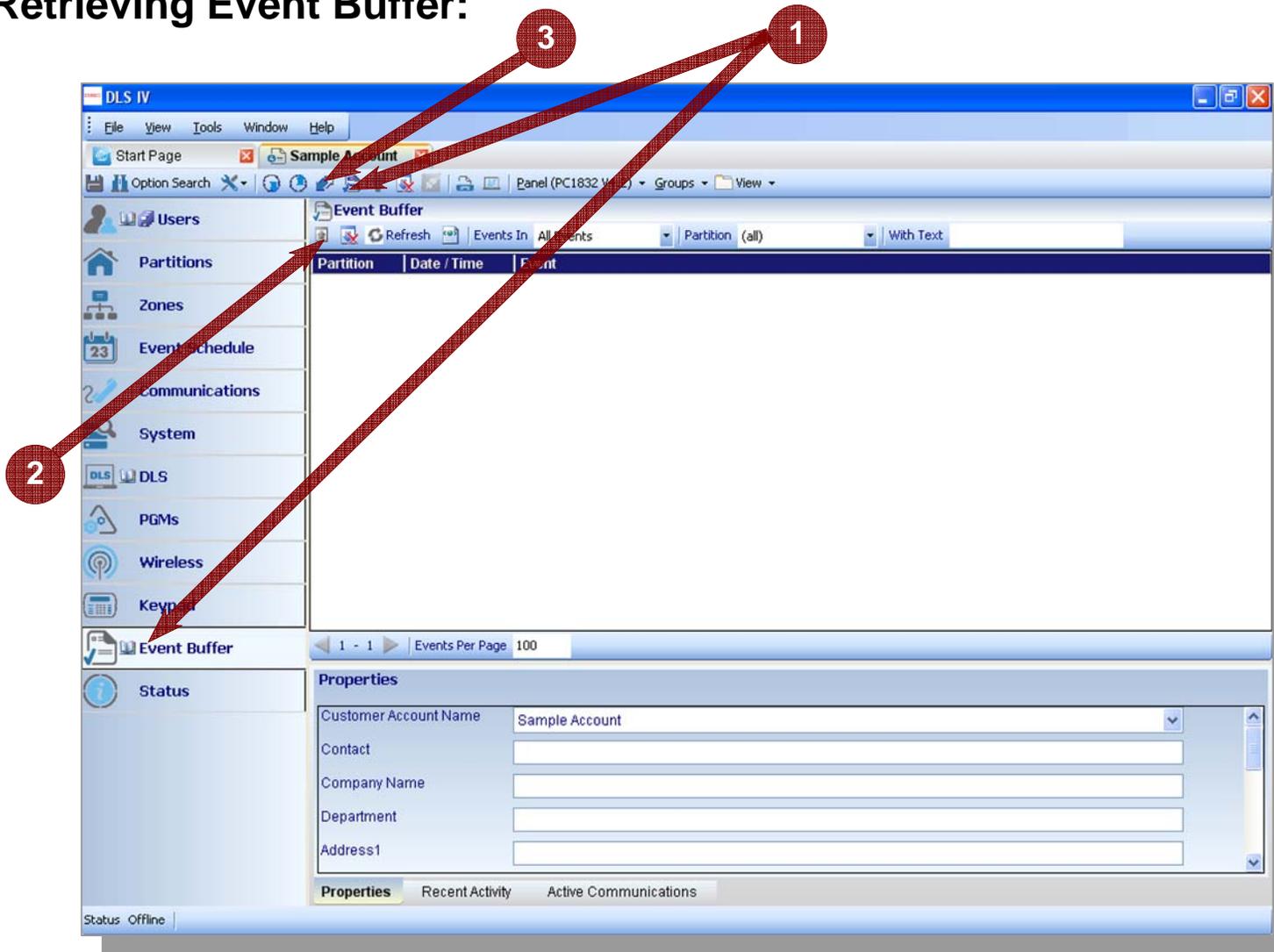
Steps:

1 – Select 'Event Buffer' from the programming group or toolbar*

2 – Tag for upload

3 – Select 'Communicate Tags' from the toolbar

* selecting the event buffer from the toolbar will automatically tag it for upload

Search

Search

Search

DLS IV supports the ability to perform a search on the following:

- Account Search

- Search within an account

Account Search

Account search provides the ability to locate an account based on selected criteria. There are 2 different methods of performing an account search:

- Basic Search

- Advanced Search

The search criteria is saved and restored when the DLS is started.

Search within an account

This feature provides DLS IV with the ability to search for specific data in an account.

Search

Account Search

Basic Search

The Basic Search function will search only in the Customer Account Name for the search phrase. The search will be performed similar to popular internet search engines: if the search phrase exists ANYWHERE in the Customer Account Name, it is considered a match.

Steps:
1 – Enter the search criteria
2 – Select the 'Search' button
3 – Search results are displayed

Search

Advanced Search

To access the Advanced Search fields, click the "Advanced" button on the rightmost side of the Search pane. An additional set of fields will be available for searching:

- Customer Account Name

- Comments

- Created By

- Flag Delete

Each of these fields, when selected will offer specific search parameters, such as:

- Exact Match - the search phrase must match exactly, including space characters and punctuation characters

- Contains - the search phrase can contain the phrase anywhere in the field

- Starts With - the field must start with the search phrase, other contents are ignored

- Ends With - the field must end with the search phrase, other content is ignored

You may add multiple search criteria to one search.

Search

Advanced Search

Steps:
1 – Select the criteria type
2 – Select the method of search based on the criteria type
3 – Enter the data based on the criteria menu options selected
4 – Search results are displayed
5 – Select 'Search'
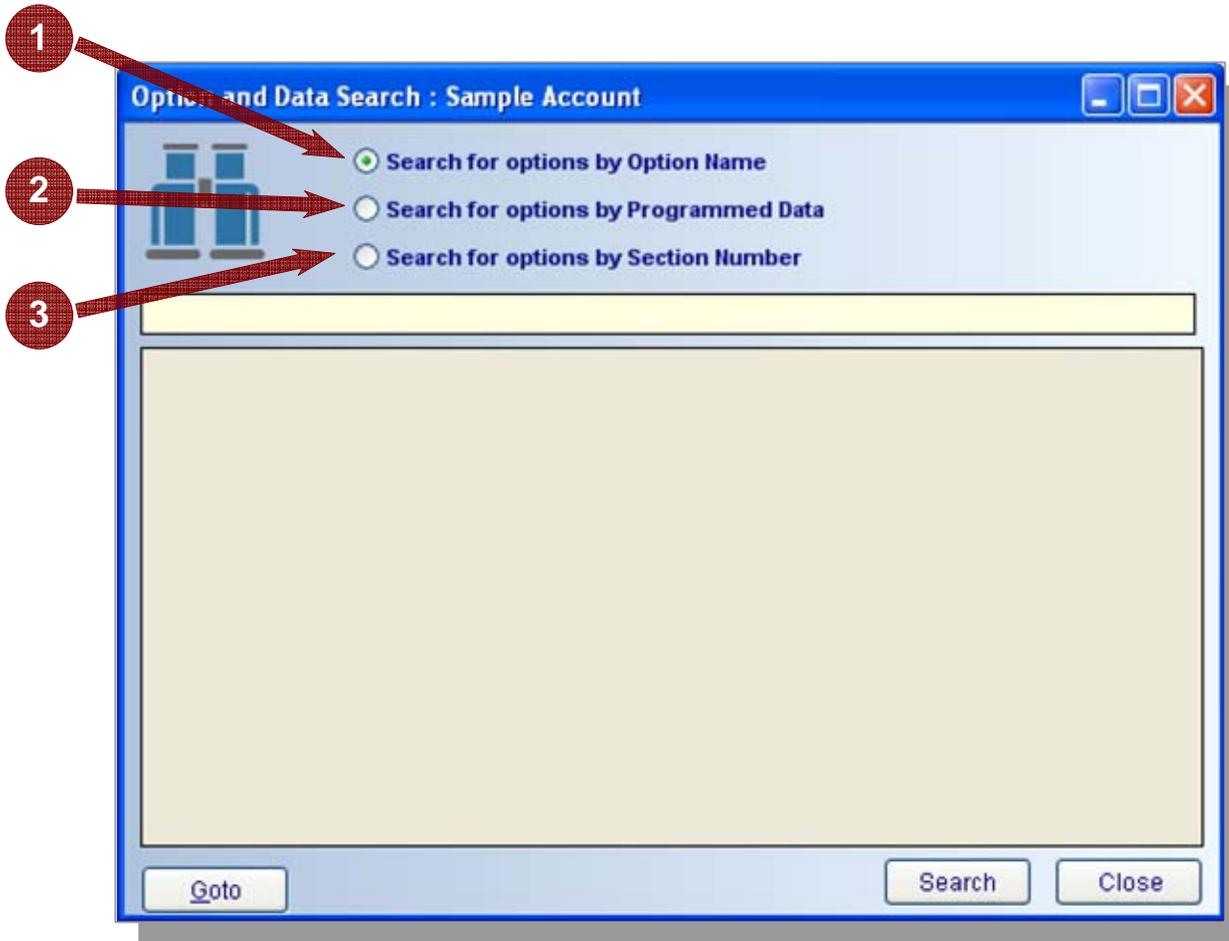
Search

Searching Within an Account

You can search within a DLS IV account for:

- Options by Option Name

- Options by Programmed Data

- Options by Section Number

To access the search feature, select the 'Option Search' button in the toolbar

Search

1 – Option Search

Using the option search function, the DLS IV will locate the terms you search for from the various options descriptions. For example, 'Zone Definitions'

2 – File Data Search

File data search will search for the requested terms from within the data you have programmed into the panel.

3 – Section Number search

The section number search will search for a desired programming section number. For example, entering '001' will return 'Zone Definitions'

From the results, you can select the specific option and click "Goto" at the bottom of the search, double click the option or use the arrow keys and press 'Enter' on the keyboard

Templates

Templates - Navigation

Toolbar

Option List

Template Options

Template List

Templates - Navigation

Toolbar

New Template

Delete Template

Rename Template

New Template Make A Copy a|e Rename Copy From Account

Save Template

Copy Template

Create Template From Existing Account*
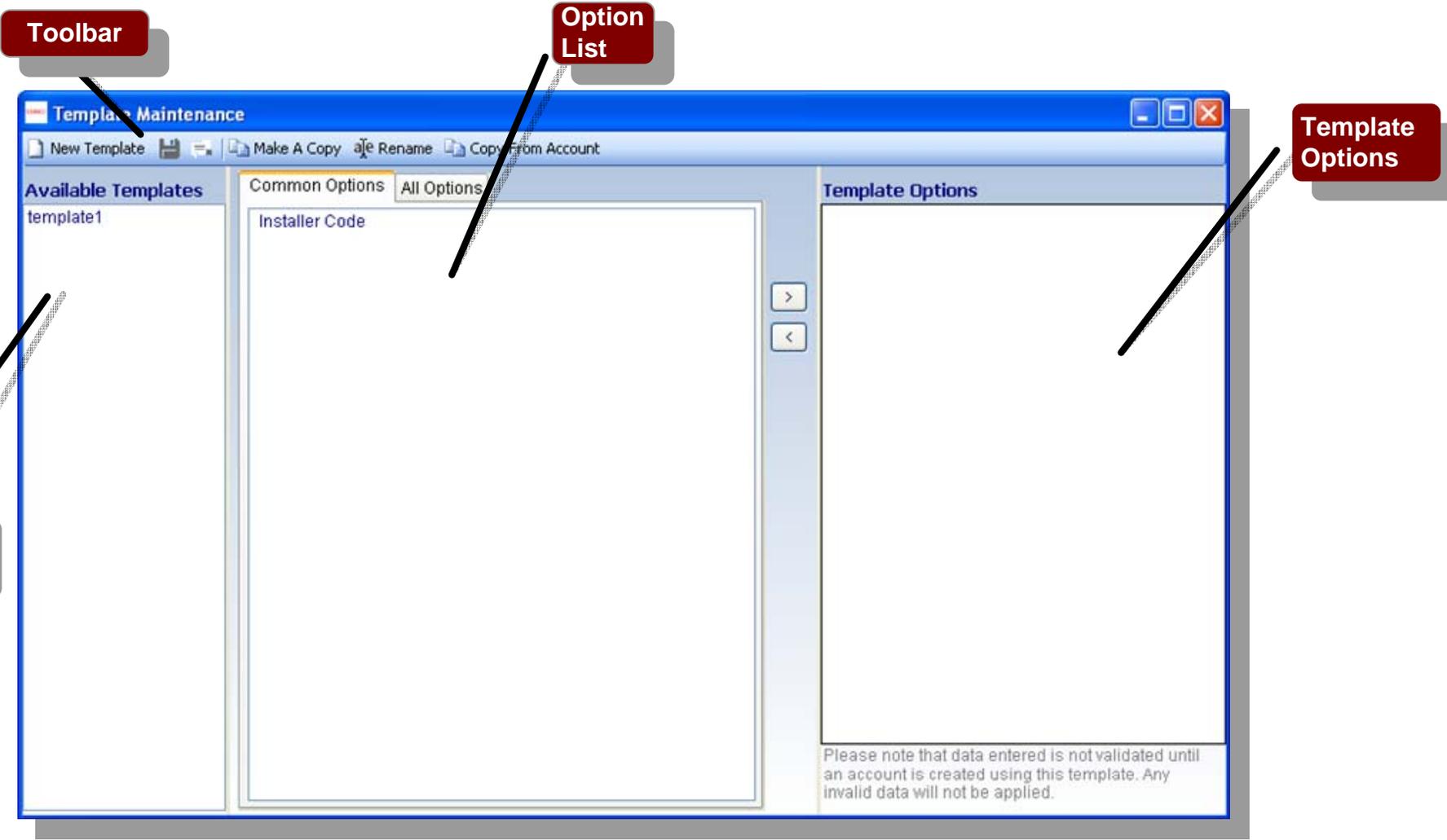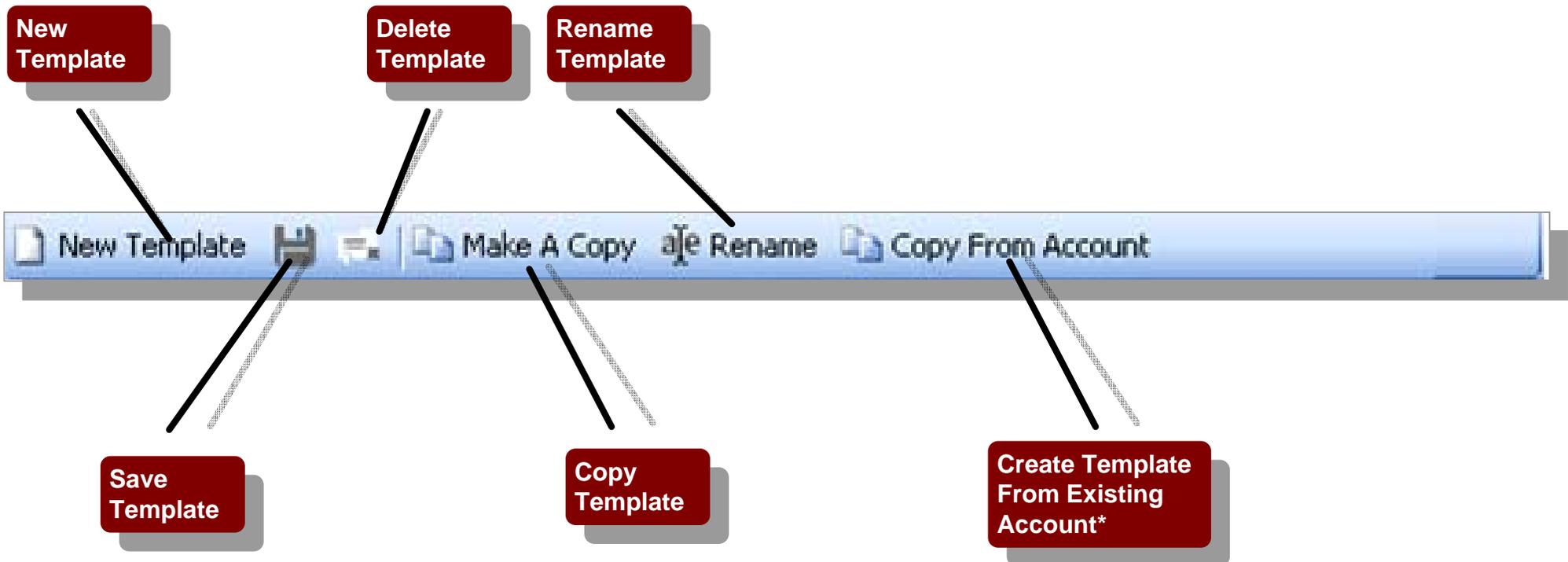
Templates

Template Information:

In DLS IV, a template is a file that you can use to quickly and easily apply a common set of options to multiple accounts or panels. This means that if you have a large number of panels that all have, for example, the same: monitoring station phone number, installer code, reporting codes, and downloading options, these can all be configured in the template. Instead of manually changing all of these options in all of your accounts, you simply need to apply the template to the accounts and all of the options will be configured for you.

Creating a Template

Template Maintenance ⟹ **New Template** ⟹ **Template Name** ⟹ **Program Template Options** ⟹ **Save Template**

Step 1 – Enter 'Template Maintenance'
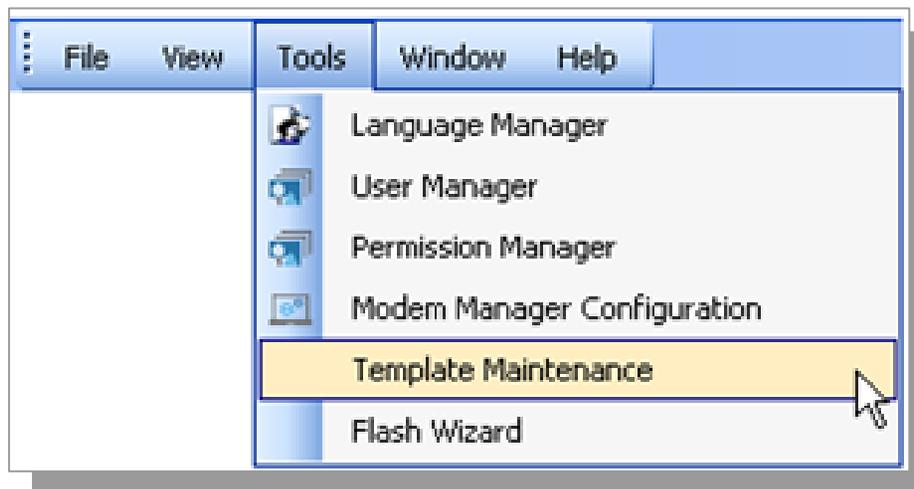
Templates

Step 2 – Select 'New Template' from the Toolbar
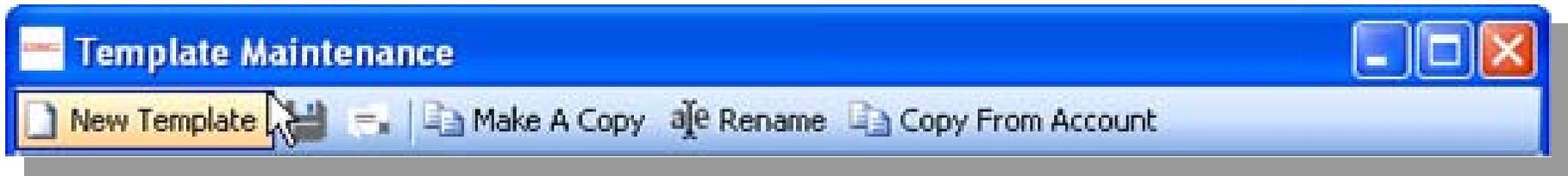
Step 3 – Name the template

Templates
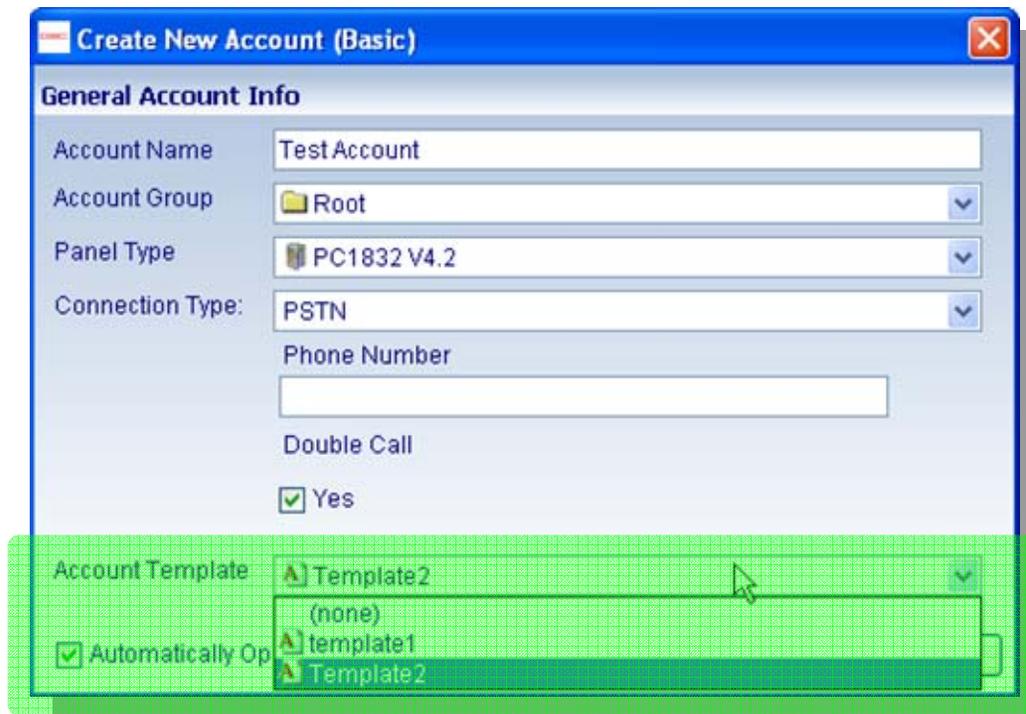
Step 4 – Program the template options

Steps:

1 – Select the programming options to be a part of the template

2 – After select the programming option, select the 'Add' arrow to make the option a part of the template

3 – Modify the selected programming options

4 – Select the 'Save' button from the toolbar

Templates – Applying a Template

Applying a template

To apply a template, select the desired template in the 'Account Template' drop-down menu when creating the account
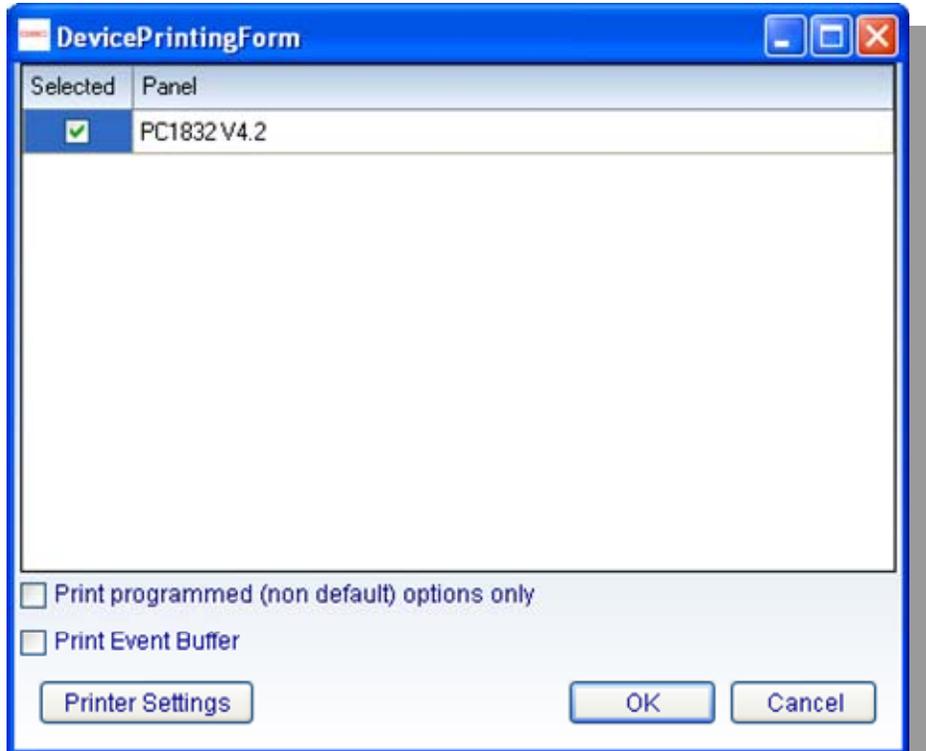
Printing

Printing

Printing:

To print account information:

Step 1 – Select the 'Print' button from the account toolbar

Step 2 – Select the control panel to print and the printer options.

Additional Information

Auto-Updater

DLS IV comes with an Auto-Update program. When you run the Auto-Updater, it will list the most recent update files to download and will automatically download and install the files you select.

Compatible Modem:

DSC MD-12, Multitech

PC-LINK Kits:

Standard – PC-LINK (includes DB25 serial connector), PC-LINK9 (includes DB9 serial connector)

Alexor – PC-LINK-5WP

USB to Serial Converter:

Additional testing required to confirm compatible adapter