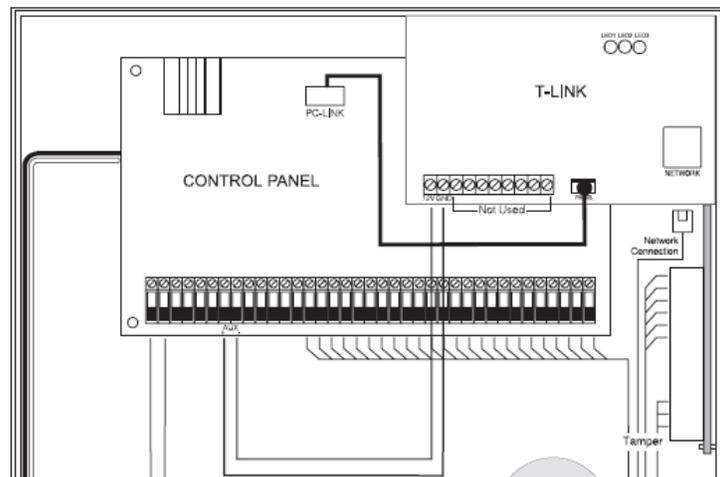


Configuring the T-Link for Uploading/Downloading Operation using the DLS2002SA Software and TL1 Server

Connecting the T-Link to the Control Panel

1. Remove power from the panel before making any connections to the T-Link module.
2. Connect the 12 VDC and the GND to the AUX output of the control panel.
3. Connect the Network Connection to the RJ45x.
4. Connect the supplied four pin connector from the T-Link to the PC-Link header of the control panel.



Programming the T-Link

Section [001]	T-Link IP Address
Section [002]	Subnet Mask
Section [003]	Receiver IP Address (The computer's IP Address)
Section [004]	T-Link Gateway
Section [999]	Restart your T-Link, enter data [55] in Section [999]

Setting up the TL1 Server Software:

1. Download the TL1 Server from the DSC website

Go to www.dsc.com and login to the website. Go to Products → Software → SurGard and a new web page will appear. Scroll down the page. Below the heading "T-Link Ethernet Communicator", save the following file to your computer:

TL1 Server V1.0 (14.7MB-exe)

2. Install the TL1 Server Software

Double-click on downloaded file and follow the Wizard to install the TL1 Server Software. Once installed, the icon (shown below) will appear on the desktop. Double-click on the icon to run the program.



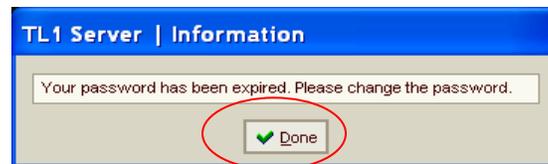
3. Logging in to the TL1 Server Software:



Log in by entering the correct Login Name and Password.

Login Name	admin
Password	password

4. Password Expired:



The following 'password expired' message will appear. This is done for security reasons to ensure the password is changed from default to prevent unauthorized access. Click the 'Done' button.

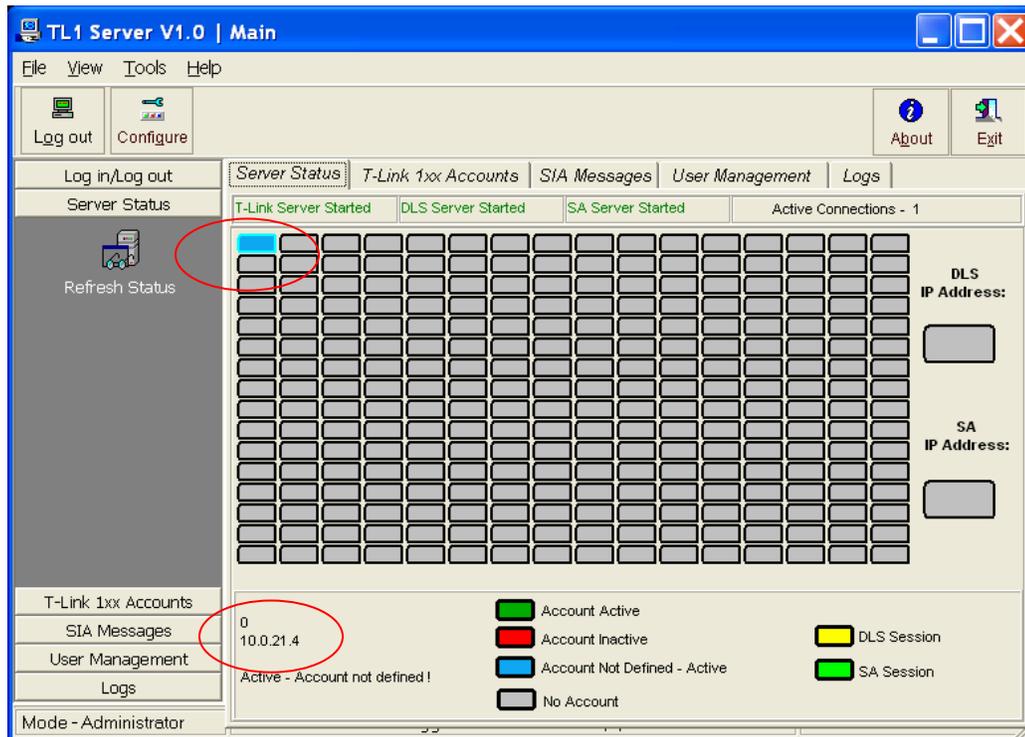
5. Change the Password:



Enter the new password and re-enter the password for verification in the correct field, then click 'OK'.

Note: The expiration date of the password may be extended under the USER MANAGEMENT tab

6. Verify the T-Link Account is Active:



The Server Status is used to indicate the status of each T-Link module connected:

- Grey box: No account connected
- Green box: T-Link module active
- Blue box: T-Link module connected but not defined

To view the IP address programmed for any active account, simply roll the mouse over the green or blue box. The IP address will be displayed in the bottom left part of the screen.

Note: The TL1 Server must be running in order to connect to the panel via the DLS2002 SA software.

Setting up the DLS2002SA Software

1. Download the DLS2002SA Software:

Go to www.dsc.com and login to the website. Go to Products → Software → DSC/DLS and a new web page will appear. Under the pull-down menu select DLS2002SA and a new web page will appear. Scroll down the page, and below the heading 'DLS2002SA Main Program (Required Files)' save the following files to your computer:

DLS_2002SA_Engine_Only_Setup - 18.1MB
DLS_2002SA_SP2 (Service Pack) - 18.9MB

Below the heading 'DLS2002SA Drivers' save the following files:

DLS2002 TL-250 Driver.exe
DLS_2002SA_PC4020_V3.3.exe, DLS_2002SA_PC4020_V3.5.exe or
DLS2002 PC5020 v3.2SA.exe (it is only necessary to download the specific panel driver for the panel that you are using)

2. Install the Downloaded files:

Double-click and install each of the downloaded files in the order listed below:

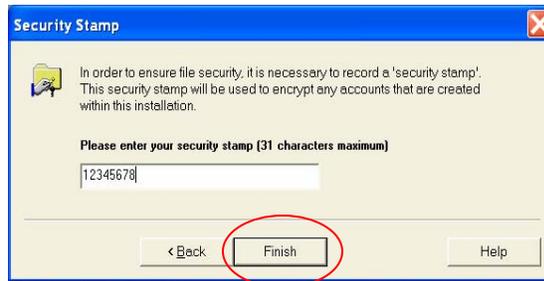
DLS_2002SA_Engine_Only_Setup - 18.1MB
DLS_2002SA_SP2 (Service Pack) - 18.9MB
DLS2002 TL-250 Driver.exe
DLS_2002SA_PC4020_V3.3.exe, DLS_2002SA_PC4020_V3.5.exe or
DLS2002 PC5020 v3.2SA.exe (it is only necessary to install the specific panel driver for the panel that you are using)

3. Run the DLS2002SA Software:

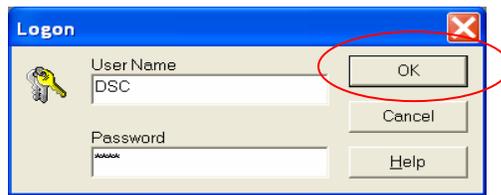
Once the software has been installed, the icon (shown below) will appear on the desktop. Double-click on the icon to run the DLS2002SA software:



4. The Security Stamp is used to encode every customer file to prevent unauthorized copying of the files. Enter a Security Stamp (up to 32 characters, case-sensitive) and click the 'Finish' button. Keep record of the Security Stamp as it will be needed if the software ever has to be reinstalled.



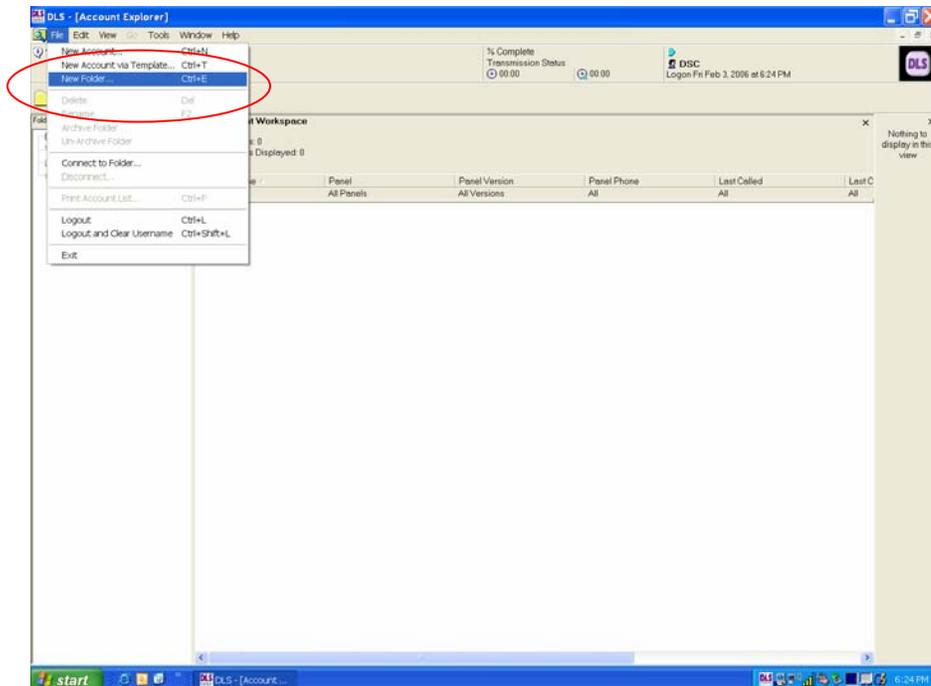
5. DLS2002SA Software Log in



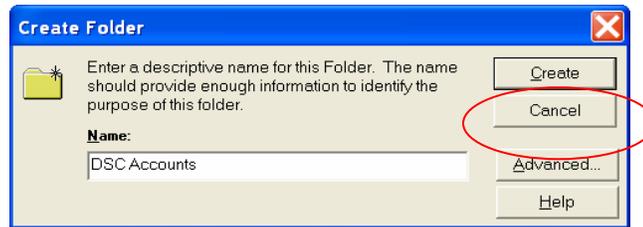
Enter the user name and password listed below to log on to the DLS2002SA program:

User Name	DSC
Password	1234

6. Create a New Folder:

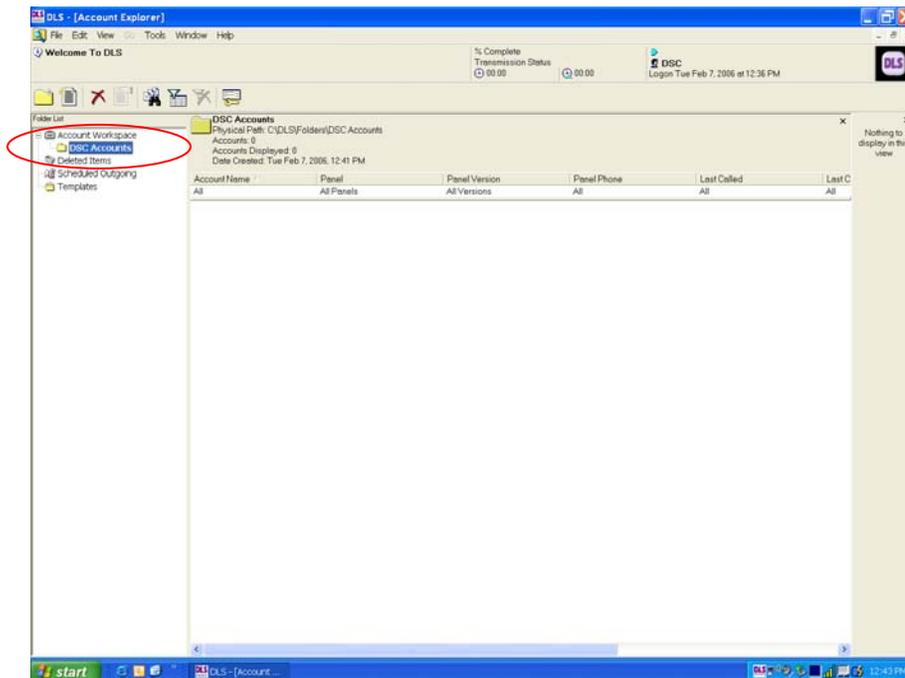


Once you logged into the DLS2002SA software click 'File' then click 'New Folder'. The following box will appear:



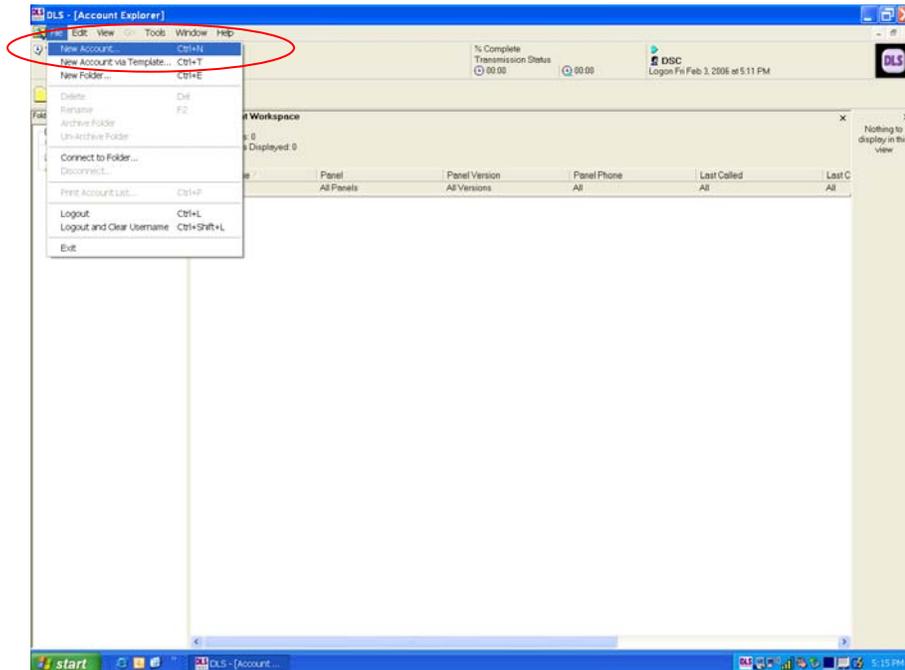
Enter the name for the folder to be created, then click 'Create'.

7. Verify the New Folder is Created:



Verify the new folder has been created and is displayed below the Account Workspace section.

8. Creating a New Account:



Click 'File' then click 'New Account'.

9. Entering the Account Information:

Create Account

Account Name: Office

Panel Telephone Number:

Panel Type: PC4020

Panel Version: 3.5SA

This Account is to be used as a Template for creating other Accounts

< Back **Next >** Cancel Help

Panel Description: System Administrator PC4020 Control Panel, 16 Main Board Zones, Expandable to 128 Zones, 2 Addressable Loops for up to 128 Addressable Devices, 16 LCD keypads, 8 Partitions, 1500 User Codes, 3000 Event Buffer

Enter an Account Name, Panel Type and Panel Version, then click 'Next'.

10. Entering the TCP/IP Settings:

TCP/IP Settings

IP Address: 10 . 0 . 21 . 4

TCP/IP Wait Time: 12

TCP/IP Port: 3062

Connect to TLink 1

Encryption Key:

Receiver IP Address: 0 . 0 . 0 . 0

Receiver Port: 3064

Receiver Password: *

TLink Account Identifier:

Update Now

< Back Next > Cancel Help

Older DSC panels do not support TCP/IP connections, refer to the panels installation manual for TCP/IP connection information.

Enter the IP address of the T-Link in the appropriate field. Select the Connect to T-Link 1 box (so it has a checkmark), then click 'Next'.

Note: Do not use leading zeros when entering the IP address

11. Entering the Customer's Information:

Customer Information

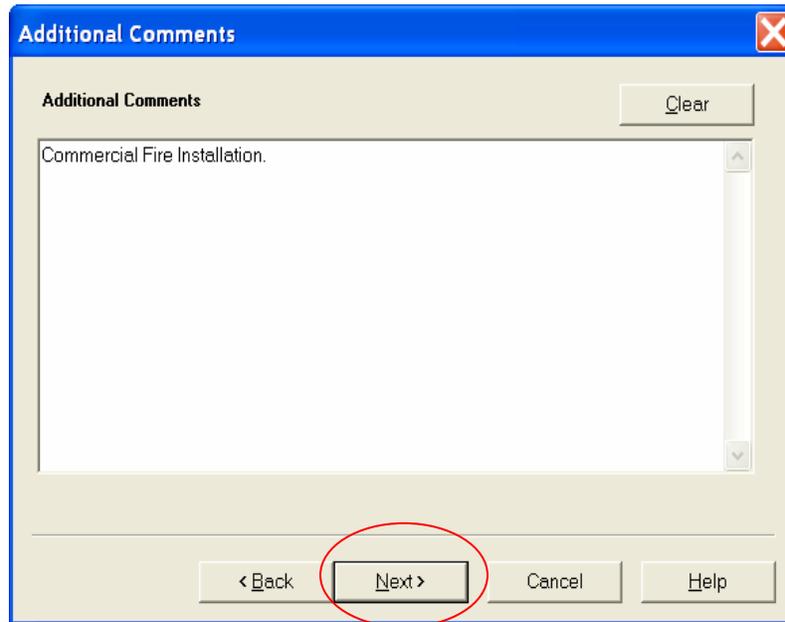
Clear

Description	Properties
Company	DSC
Contact	John Smith
Department	Technical Support
Extension	
Address	3301 Langstaff Road
City	Concord
Province/State	Ontario
Postal/Zip Code	L4K 4L2
Voice Telephone Number	
Email Address	

< Back Next > Cancel Help

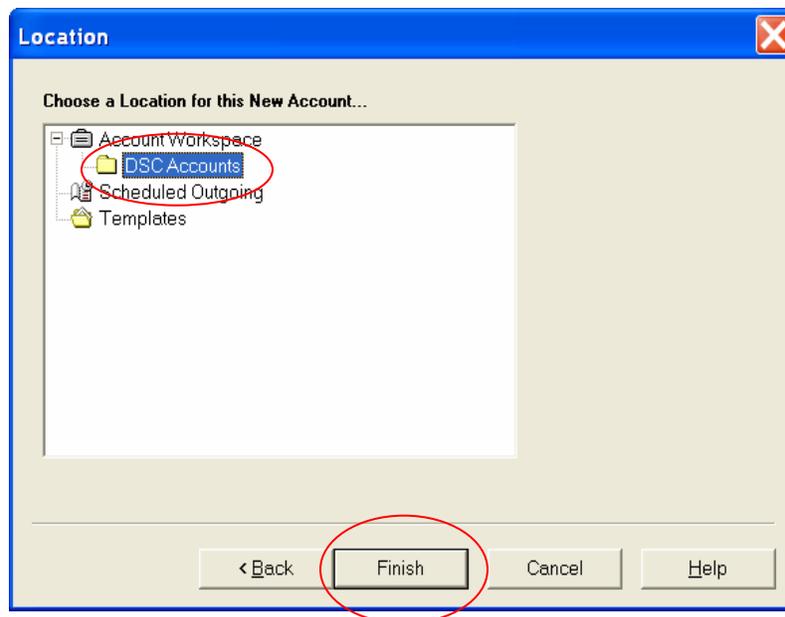
Enter the customer's information (if required), then click 'Next'.

12. Entering Additional Comments:



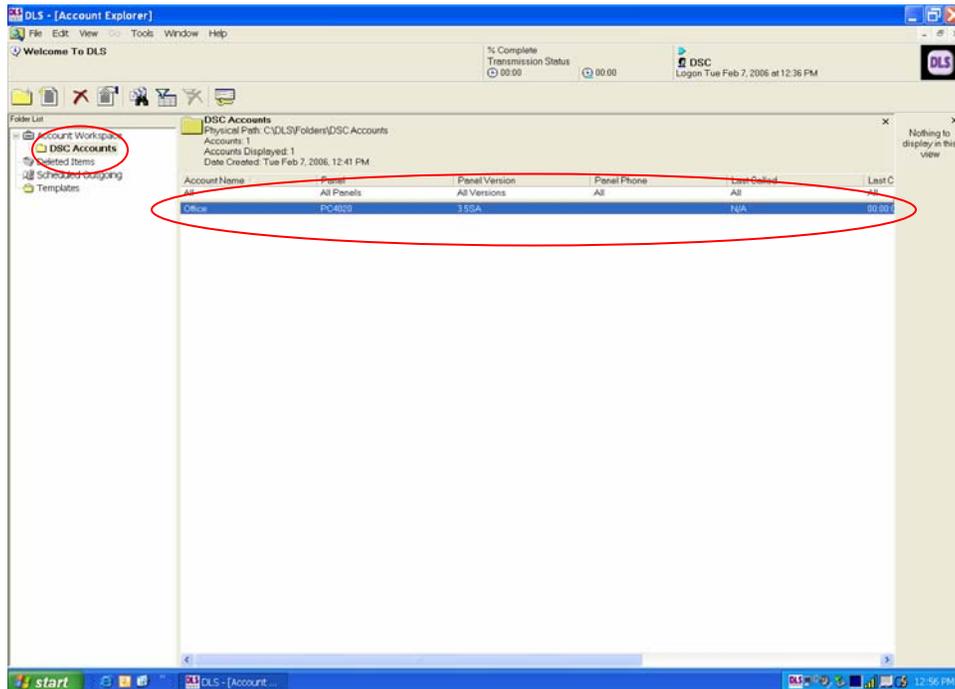
Enter any additional comments (if required), then click 'Next'.

13. Select the Folder to Store the New Account:



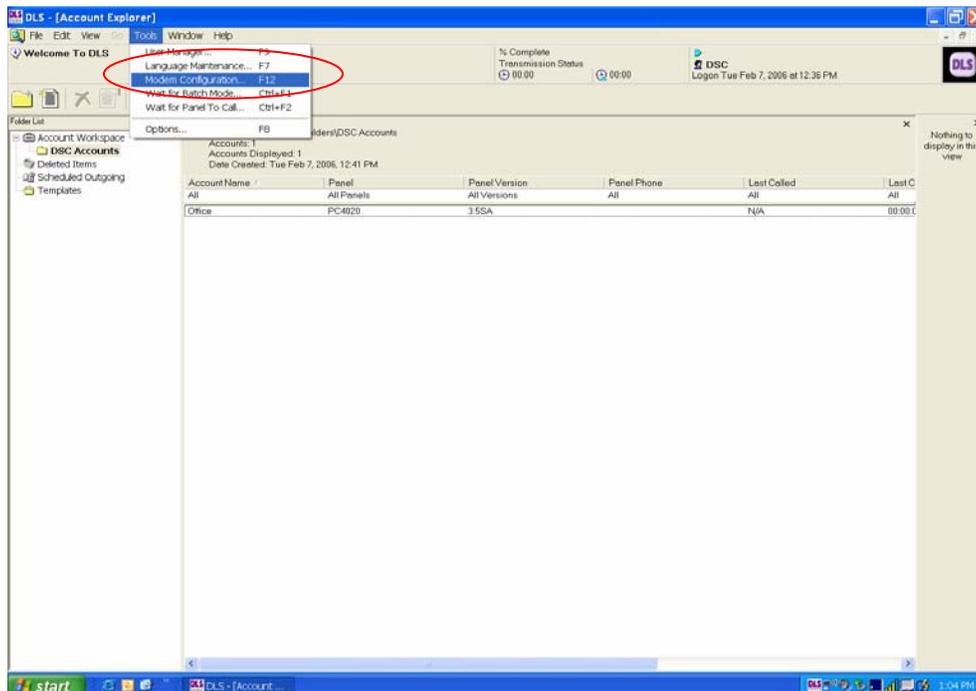
Click the folder to store the new account into. The Folder should be highlighted, then click 'Finish'.

14. Verifying the New Account is Created:

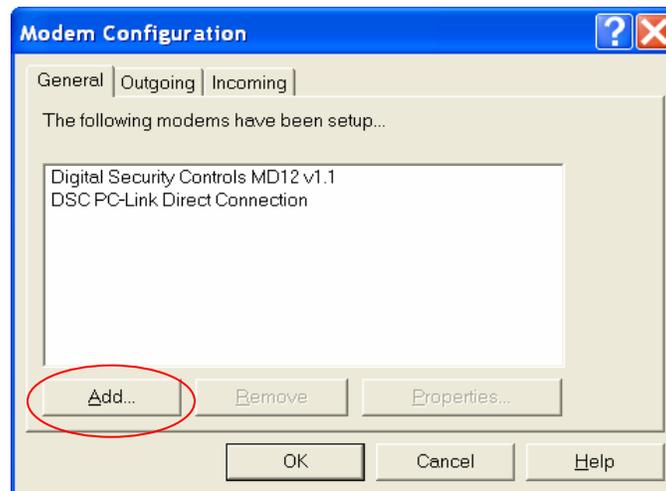


The account should be displayed. If not, verify the correct folder is highlighted in the Folder List on the left side of the screen.

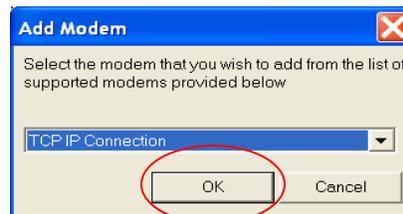
15. Adding TCP IP Support:



Click 'Tools' then click 'Modem Configuration'. The following box will appear:

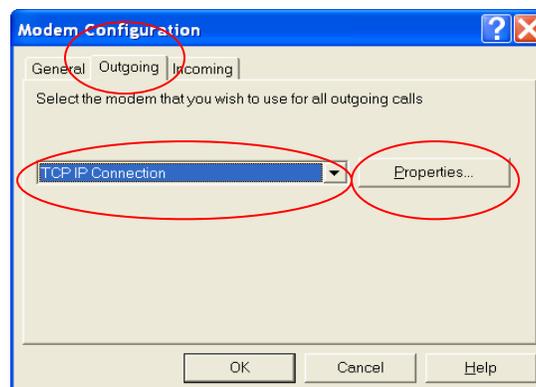


TCP IP support must be added to the DLS2002 software. Click 'Add'.

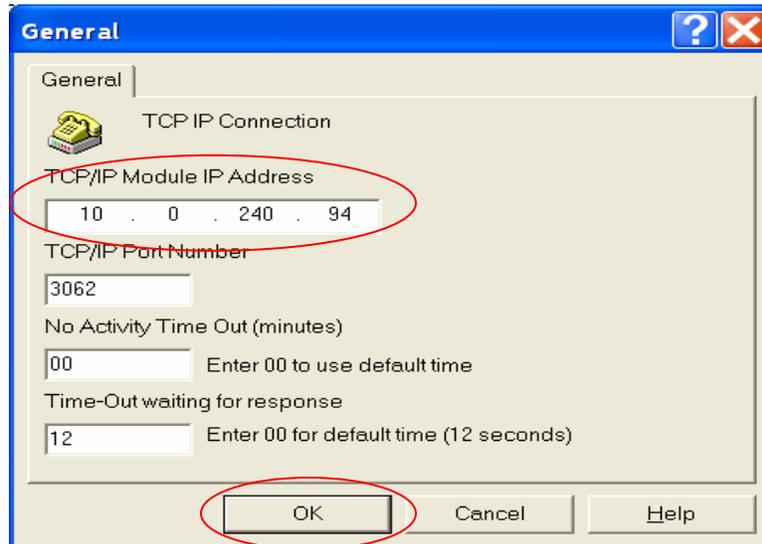


Use the pull-down menu to select 'TCP IP Connection', then click 'OK'.

16. Configure Outgoing Calls to use TCP IP Connection:

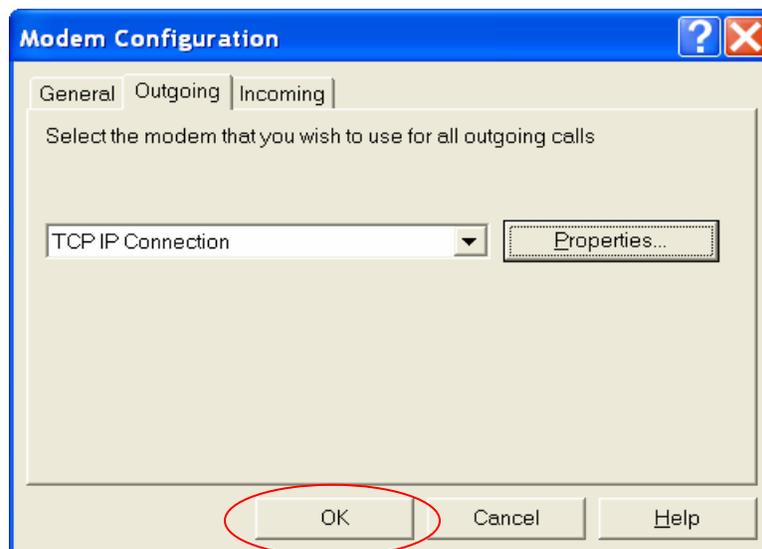


Click the *Outgoing* tab and under the scroll bar select 'TCP IP Connection' then click 'Properties'.

17. Setting the IP Address of the Server:

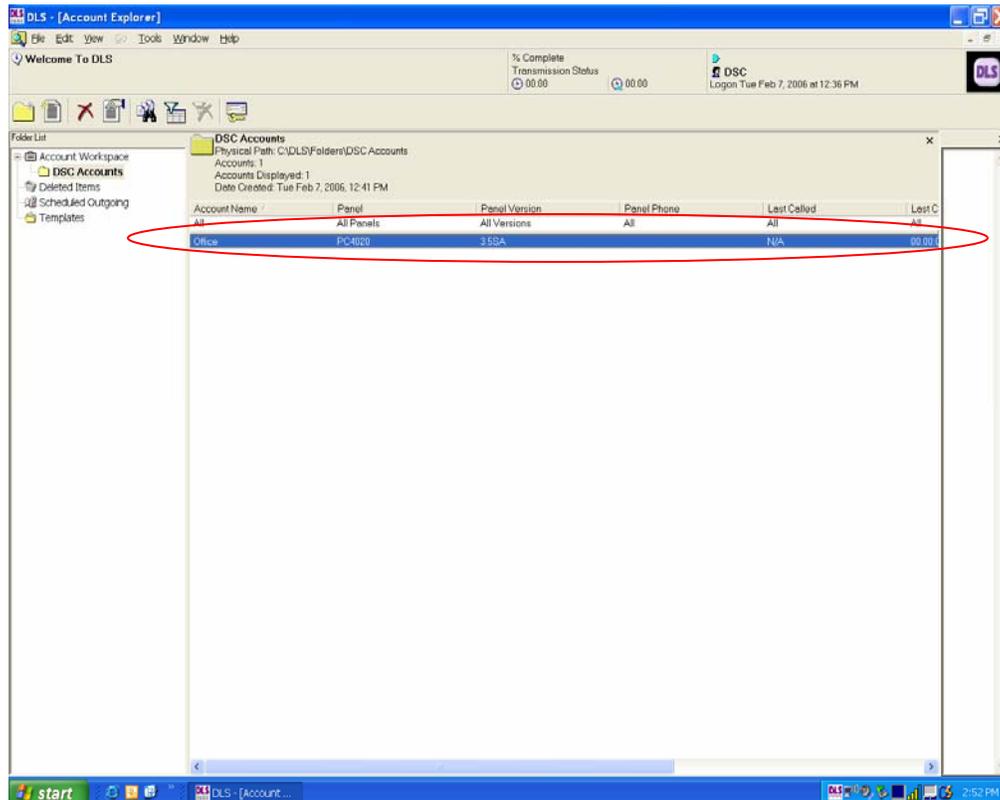
Enter the IP address of the computer running the TL1 Server in the *TCP/IP Module IP Address* text field then click 'OK'.

Note: Do not use leading zeros when entering the IP address

18. Finish DLS2002SA TCP IP Configuration:

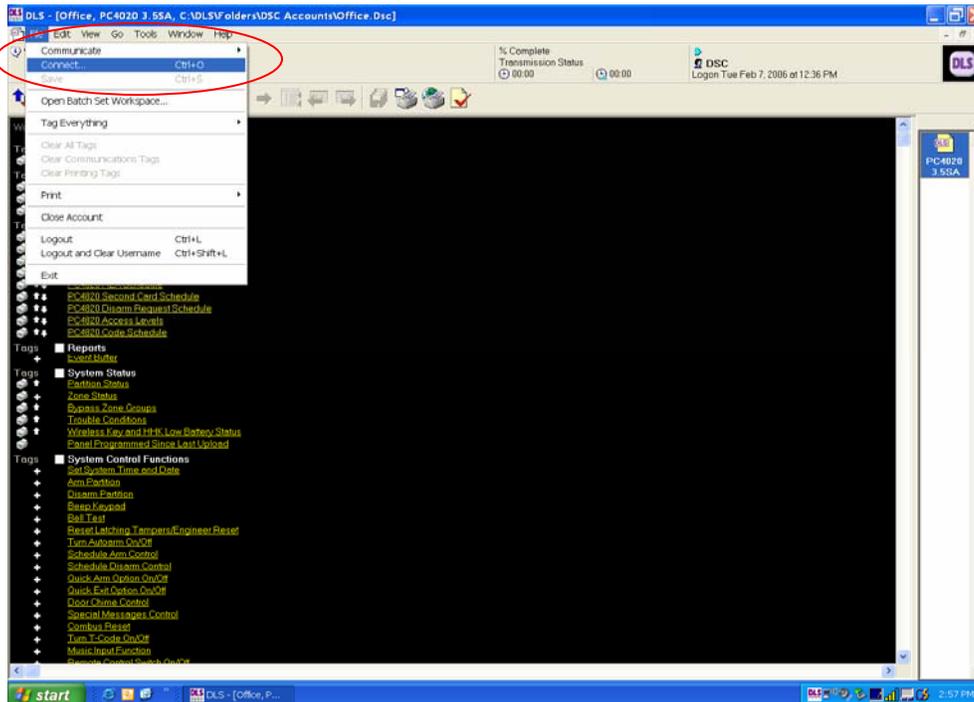
Click 'OK' to confirm the TCP IP connection.

19. Opening the Account for Uploading or Downloading:



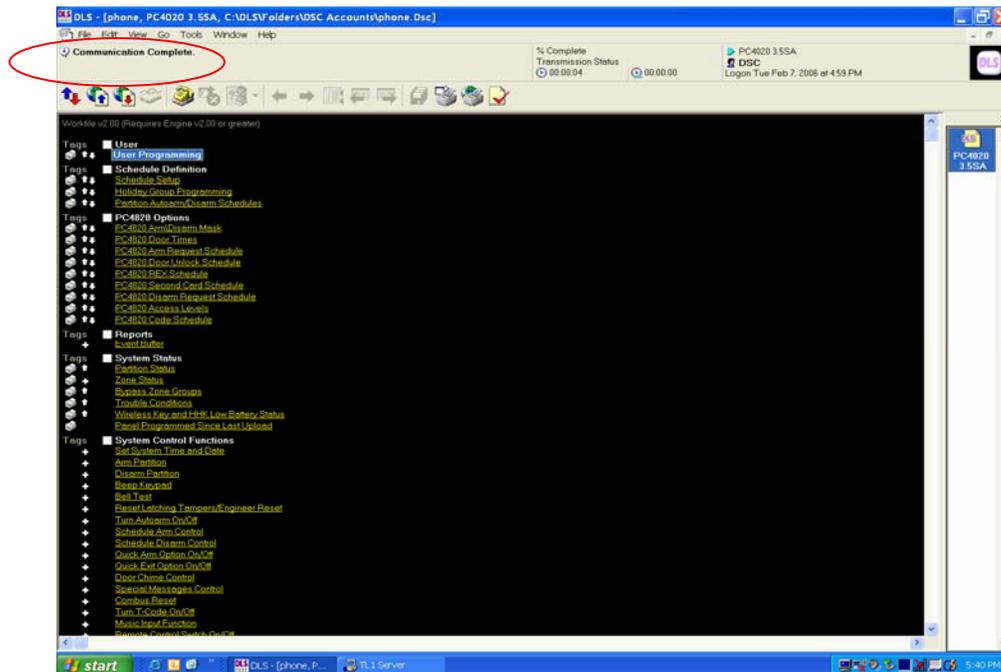
Double-click the account to open it.

20. Connecting to the Panel via the T-Link using the DLS Software:



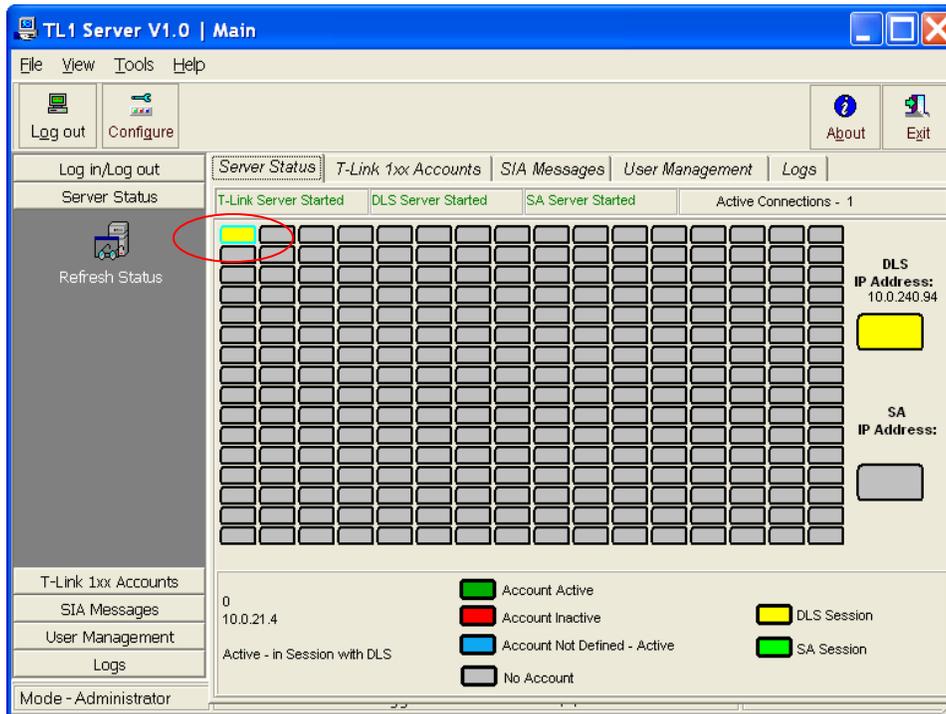
Click "File → Connect "

21. Establishing Communication from the DLS to the T-Link:



Once connected to the T-Link the status bar will indicate 'Communication Complete'.

22. Confirming Communication is Established on the TL1 Server:



The account block on the TL1 Server will change to yellow when a DLS session is in progress.

Note: Once the DLS session has been established information can be Uploaded/Downloaded as required.