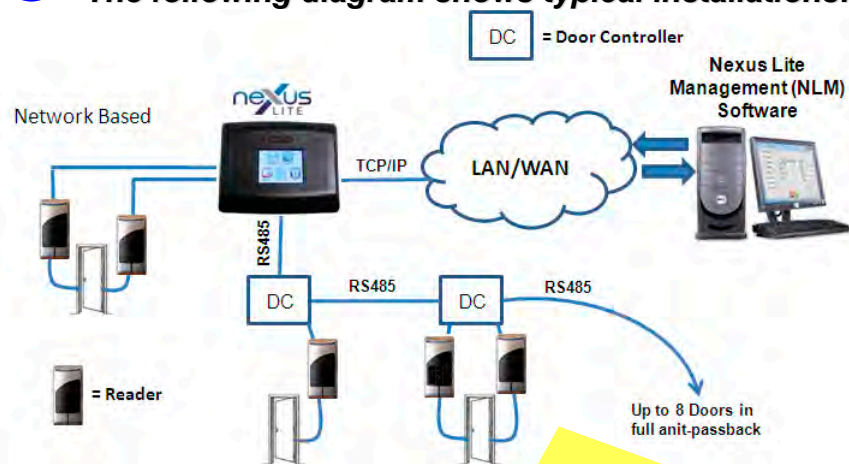


Typical Installations

1 The following diagram shows typical installations:



Note: See hardware documents for Nexus Lite controller(s), readers, and/or PC connection information

NLM Software Install Options

2 Insert the Nexus Lite Management (NLM) CD into your PC and follow the on screen prompts. Install NLM using one of these 3 options;

Standalone – Amano recommends using this default selection to install NLM and the database on the same PC.

The following selections are recommended for network setup.

Server – install NLM database on a server.

Client – install NLM on a PC with connection to a database on a server.

Firebird – Use this default to install the Firebird database with NLM.

Microsoft® SQL – Only select this option if you have Microsoft SQL Server database already installed on a server or on the PC that NLM is installed on.

Note: During software installation, you can choose from 2 database options, but Amano recommends using the Firebird default.

Note: The installation should start automatically, but if installation stalls, browse on CD to \Disk1\UnstData\Windows\VM\install.exe

NLM Software Activation

3 Click Next to finish the InstallShield Wizard at the end of the InstallShield. When the Amano Software Activation screen appears enter the Activation Code/Serial Number supplied with NLM and click the Activate button.

Upon successful activation the registration screen will appear to perform on-line registration. Click SAVE to complete and the NLM program will launch and display the initial Setup Wizard. Proceed thru the Setup Wizard to configure NLM.

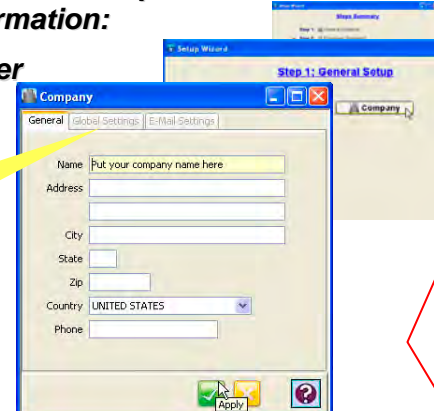
Note: If the Activation fails and/or an error message appears possibly; the Activation Code/Serial Number is wrong; there is no Internet connection with the Amano authorization server; or the same serial number was previously installed. For Activation Help and to manually activate NLM contact support @ 1-800-253-9836. If you fail Activation you have 14 days to complete Activation.

Wizard - General Setup

4 From the Steps Summary screen click the Next button to start the Setup Wizard with General Setup to define the following optional Company information:

Press the **Company** button to enter general company info such as Name, Address, City, State, Zip, County, and Phone.

Note: the "Global and E-Mail Settings" tabs are not used by Nexus Lite Management.



From Step 1 click Next to proceed with the Employee Setup.

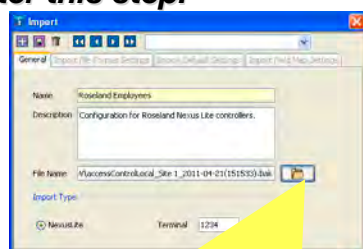
Wizard – Employee Setup (Import)

5 Use this Step 5 if importing employees from existing Nexus Lite. Since the import creates Access Groups and Employees you may skip to Step 9 after this step.

From the Employee Wizard click on **Employee Import** to import employee info from a Nexus Lite backup file.

NLM allows the entry of:

- A "name" for the Import Profile
- Description
- Nexus Lite backup file location
- Terminal Number for import



Note: Importing Employees is recommended if you already have Nexus Lite installed with employee info.

Skip this Step if not Importing Employees and continue with the next step **Access Groups Setup**

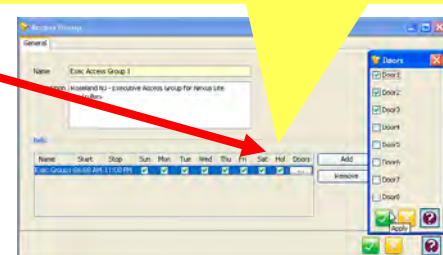
Wizard – Employee Setup (Access Groups)

6 Click on the **Access Group** button to create an Access Group by entering a unique name/description and defining the group.

Click "Add" button to create Access Group info such as Start/Stop time and days. Press "Doors" button to select Doors 1 thru 8.

Use the "Remove" for deletion.

Note: Access Group can be used to limit access for doors/times. For example, the Executive access group might be the only group with access to the Executive area on weekends.



Continue with the **Employee Setup** to add employees by clicking on the **Employee** button.

Wizard – Employee Setup (General Info)

7 Click on the **Employee** button to add Employees. NLM provides the ability to enter employees with unique employee ID or proximity badge numbers.

From the Employee screen, use the "Personal" and "Contact" tabs to enter additional employee information [except IM Password]. Use "Assignments" tab to select TZ.

Note: the last 3 digits of the employee "Number" field must be unique as each Nexus Lite controller only uses the last 3 digits in this field. For example, employee number 20399 will be employee number 399 at each Nexus Lite controller.



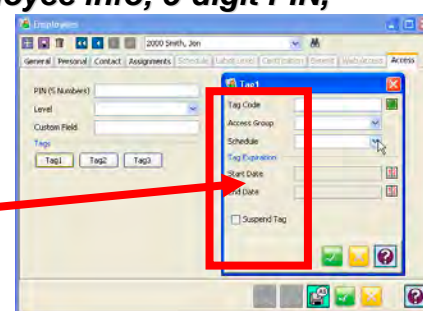
Click on the **Access** tab to continue with **Employee Setup** for Nexus Lite controller(s).

Wizard – Employee Setup (Access Info)

8 From the Employee screen click on the "Access" tab to directly configure employee access information at the door(s). Enter the following employee info; 5-digit PIN, access level, and a custom field with up to 3 tags per employee.

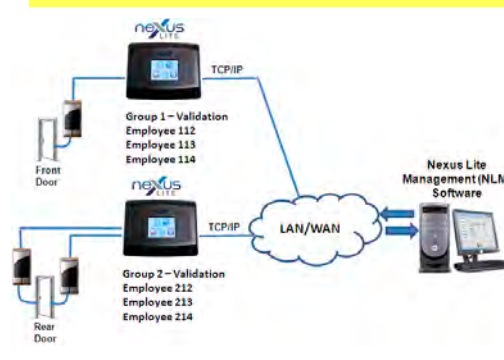
Each tag can contain:

- A unique "Tag Code"
- Select from User defined Access Group (see Step 6)
- Tag expiration start/end dates
- Suspend Tag check box

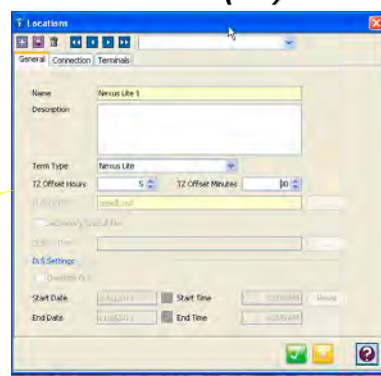


From Step 2 click Next to proceed with the **Terminal Setup**.

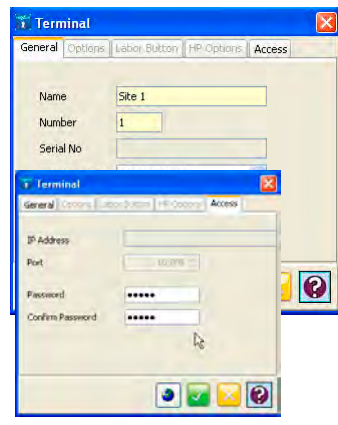
Wizard - Terminal Setup (Terminal Validation)

- 9** From the Terminal Setup click on the **Terminal Validation** button to setup Validation parameters with a name and desc. for the employee validation group. Click on the **Employees** tab to directly associate employee(s) or use the **Employee Filter** button to activate the "Employee Filter" for enhanced employee filtering for terminal assignment.
- Note:** the terminal validation allows designated employees only to be valid (have access) at specified Nexus Lite controller(s).
- 
- Continue with the **Terminal Setup** by clicking on the **Location** button.

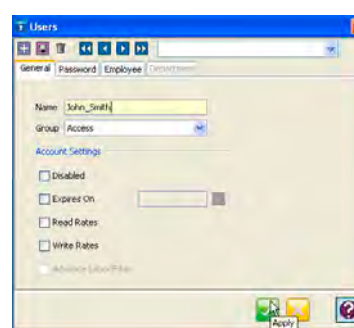
Wizard - Terminal Setup (Location)

- 10** To setup Location click on the **Location / Terminal** button to configure location for NL terminals. From the **General** tab enter a "Name" and select the desired Time Zone (TZ) Offset [in hours and minutes].
- From the **Connection** tab enter the IP address for the NL terminal. Enter the Port Number. The default = 10,005.
- Note:** the IP address can be obtained by checking the NL controller. **CAN NOT have more than 1 terminal per NL location.**
- 
- Continue with the **Terminal Setup** by clicking on the **Terminals** tab from Locations.

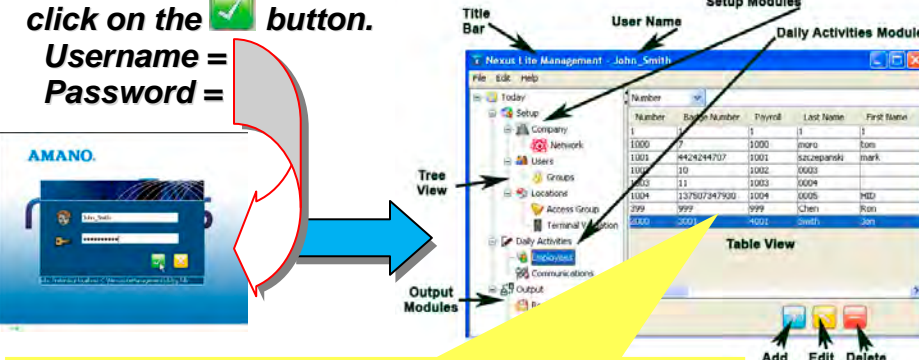
Wizard - Terminal Setup (Location Continued)

- 11** From the **Terminals** tab click on "Add" to define a NL terminal location. Click on the "Edit" button to modify an existing Location or select an existing location and click on the "Delete" button to remove the Location.
- From Terminal General screen enter Name, Number and select **Access** and **Validation** Groups. Check if this location is "Active" [enabled].
- From Terminal screen, click on the **Access** tab to enter/save the Password for the NL terminal. Click on the browse button to search for the selected NL terminal. The default NL Password [Security Code] = **12345** until changed.
- From Step 3 - click **Next** to proceed with the **Login Setup**.
- 

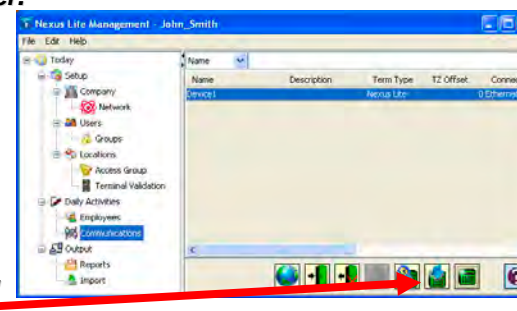
Wizard - Login Setup

- 12** Login Setup provides the ability to decide who will have access to **NLM** and assign employees to a user. Unlimited Login users can be created but only one user can concurrently login.
- From the Users **General** tab, define the "Name" and "Account Settings".
- From the **Password** tab, create the **NLM** Password and setup the "Options".
- From the **Employees** tab, use the Employee Filter for enhanced User group employee filtering.
- Click **Finish** button to finish the Setup Wizard. The settings can be changed at any time using the Setup Wizard from the Edit menu.
- 

Wizard - Finish & Login

- 13** Congratulations! the Setup Wizard is now complete and the **NLM** "Login" screen will appear. Enter a Username and Password created during the Login Setup step and click on the **OK** button.
- Username =
Password =
- 
- Note:** Employee badge numbers, names, IDs, PINs, validation, etc. can be downloaded to the Nexus Lite(s) from **NLM** (see Communications module description.)

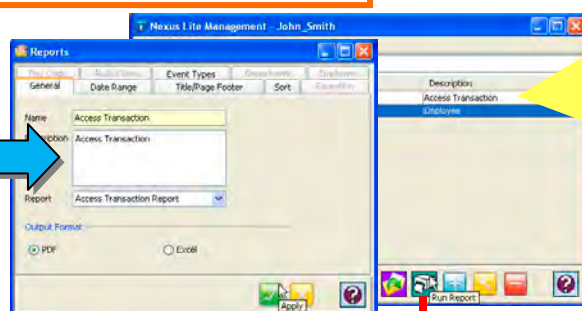
NLM Communications Module

- 14** From the Tree View, open "Daily Activities" and click on the "Communications" module. Click on the desired NL terminal and click on an icon to perform:
- Connection to NL location with Web Browser.
 - To read Access Groups/ Employees from NL.
 - Clear Access Groups/ Employees from NL.
 - To set time at NL from client.
 - To send time, validations, and settings to NL.
 - To view NL COM info such as IP and Port.
- 

NLM Output/Reports Module

- 15** From the Tree View, open "Output" and click on the "Reports" module. Click on the desired Nexus Lite terminal and click on an icon to perform:
- Add, Edit and Delete a report profile for an Employee or Access Transaction report.
 - Create **custom** report profiles with Name/Description and define the custom report by using Title/footer, Event Types, Date Range, Sorting, and advanced employee filtering.
 - Generate a PDF report or Excel file based on report profile.
 - Select the desired report and just click on the **Run Report** icon to generate the report.

Note: This report displays transactions [door usage] from Nexus Lite.



Important: For the Report to work, the **NLM Event Monitoring Service** must have access to the network (please check your Firewall settings).

By default port **4445** is used.

The port can be changed by clicking on "Networking" from the Tree View.

Access Transaction						
Date range: May 22, 2011 - May 28, 2011						
Device	IP	Date	Name	Tag Code	Door	Event
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:57	Two Employee	208041291919	[01]Door1	Allowed Normal Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	One Employee	4424244707	[01]Door1	Allowed Normal Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	One Employee	4424244707	[01]Door1	Allowed Normal Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	Two Employee	208041291919	[01]Door1	Allowed Normal Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	T T	4427062426	[01]Door1	Denied Unknown Tag Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	Two Employee	208041291919	[01]Door1	Allowed Normal Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	One Employee	4424244707	[01]Door1	Allowed Normal Out
Site 3 (SE004588)	192.168.0.177	2011-05-26 14:58	Two Employee	208041291919	[01]Door1	Allowed Normal Out

For more information see the Nexus Lite documentation included on the NLM CD.
You can also go to www.amano.com/tkb, e-mail tkb@amano.com, or call us at 1-800-253-9836 or 973-364-0294.