

# LightX 3.0

## Lighting Control Software



imagination at work

# Overview

LightX 3.0 is designed using intuitive Windows interface that replaces the older DOS based TLC program

LightX 3.0 is compatible with Windows 2000/XP

LightX 3.0 supports GE Level III hardware for monitor and control of customer lighting

LightX 3.0 has the Device View, Error Log, and Optional Graphic View presented on one screen at one time for maximum efficiency

# Software Special Features

LightX 3.0 supports both a stand alone system as well as the ability to operate in a Server/Client mode

The software supports Ethernet connectivity

LightX 3.0 records all system events which include Status Change, User Log, and Error Conditions.

User can search for a special event and export selected event records as a file (MSExcel) or print a hardcopy.

LightX 3.0 expands the traditional hardware scheduling to include “virtual” schedules.

## Software Special Features - continued


LightX 3.0 has the ability to assign logical (AND, OR) functionality to relay states

LightX 3.0 uses the intuitive Windows interface with Drag-and-Drop functionality

Graphic screens are easily modified with imbedded editing tool

Graphics support common file types including BMP, JPG, GIF

Event Log, Device View, Graphic View, and on one screen at one time

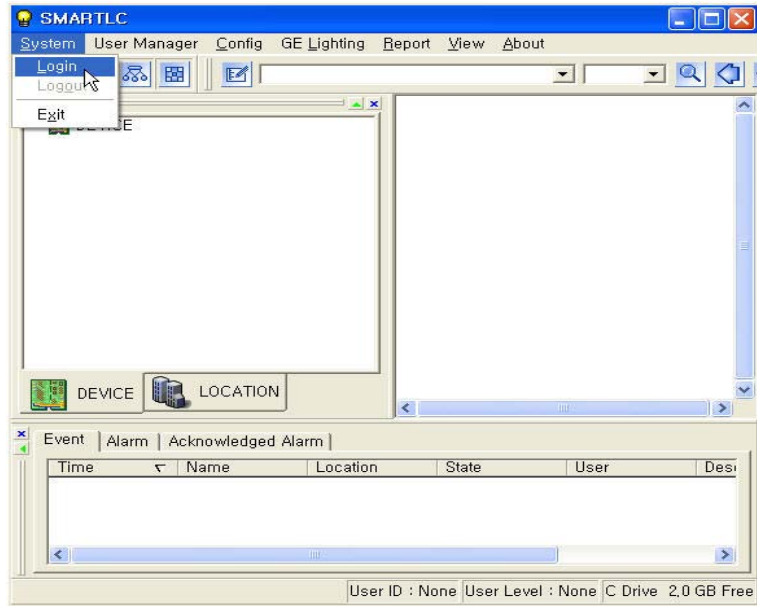


The screenshot displays the SMARTLC software interface. The top menu bar includes System, User Manager, Config, GE Lighting, Report, View, and About. The main window is titled '1 Building' and shows a 3D perspective view of a building complex. On the left, a 'DEVICE' list is visible, containing items such as 'GE LIGHTING DEVICE 1(hhh)', 'RELAY PANEL 1-1(h1)', and various relays (RELAY 1-1-1 through 1-1-20). Below the device list, there are tabs for 'DEVICE' and 'LOCATION'. At the bottom, an 'Event Log' table is shown with columns for Time, Name, Location, State, User, Description, and Device Code. The table contains several entries, including relay status changes and communication events.

Time	Name	Location	State	User	Description	Device Code
2004-01-14 20:35	RELAY 1-1-22	1 Building-1 Floor	ON(ON)			500-1-1-22-0-0
2004-01-14 20:35	RELAY 1-1-23	1 Building-1 Floor	ON(ON)			500-1-1-23-0-0
2004-01-14 20:35	RELAY 1-1-24	1 Building-1 Floor	ON(ON)			500-1-1-24-0-0
2004-01-14 20:44	RELAY 1-1-1	1 Building-1 Floor	C-01(ON Comms s(s))			500-1-1-1-0-0
2004-01-14 20:44	RELAY 1-1-1	1 Building-1 Floor	C-02(OFF Comms s(s))			500-1-1-1-0-0
2004-01-14 20:44	RELAY 1-1-1	1 Building-1 Floor	OFF(OFF)			500-1-1-1-0-0

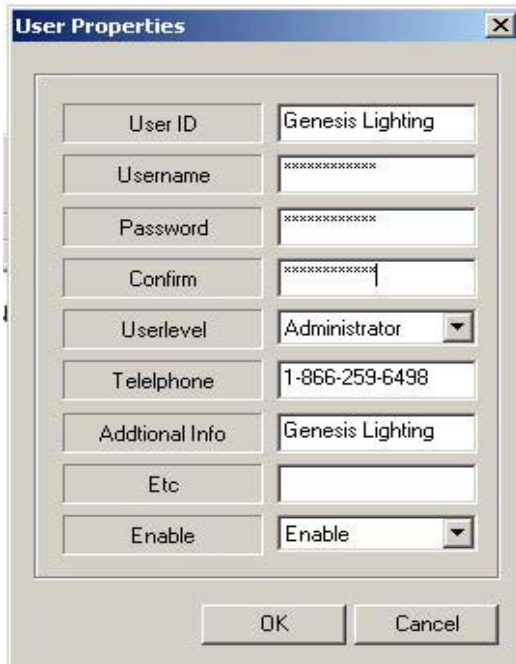
# Login and Getting Started

Select System → Login to prompt you for your User ID and Password



# Security Settings

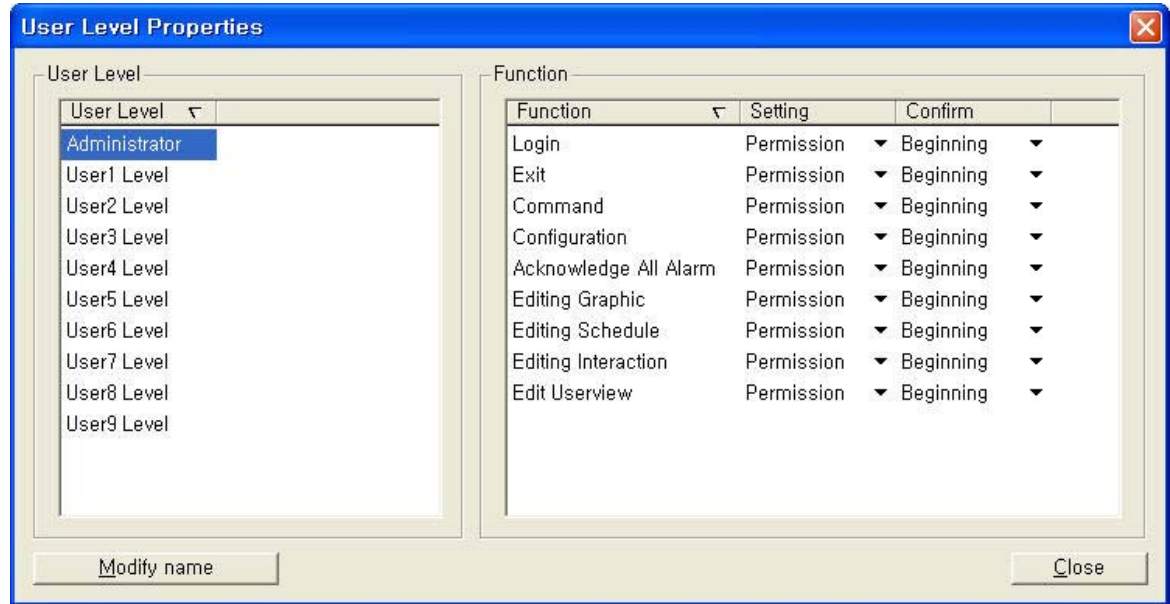
There are up to 10 possible security levels assignable for system users



The 'User Properties' dialog box contains the following fields:

- User ID: Genesis Lighting
- Username: [Redacted]
- Password: [Redacted]
- Confirm: [Redacted]
- Userlevel: Administrator
- Telephone: 1-866-259-6498
- Additional Info: Genesis Lighting
- Etc: [Redacted]
- Enable: Enable

Buttons: OK, Cancel



The 'User Level Properties' dialog box contains the following sections:

- User Level: A list of security levels including Administrator, User1 Level, User2 Level, User3 Level, User4 Level, User5 Level, User6 Level, User7 Level, User8 Level, and User9 Level. 'Administrator' is currently selected.
- Function: A table defining permissions for various functions.

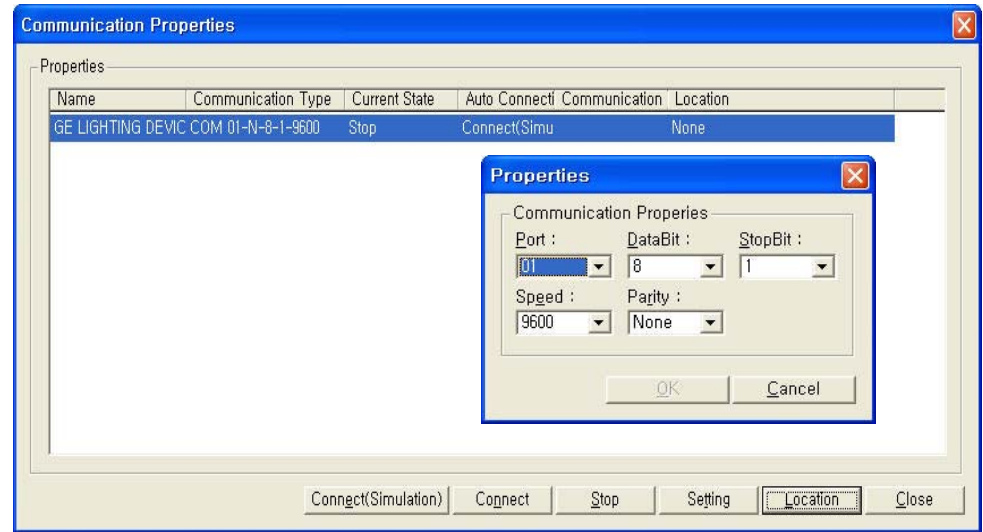
Function	Setting	Confirm
Login	Permission	Beginning
Exit	Permission	Beginning
Command	Permission	Beginning
Configuration	Permission	Beginning
Acknowledge All Alarm	Permission	Beginning
Editing Graphic	Permission	Beginning
Editing Schedule	Permission	Beginning
Editing Interaction	Permission	Beginning
Edit Userview	Permission	Beginning

Buttons: Modify name, Close

There are up to 9 possible functions that can be assigned to any one security level

# Communication Setup

Select Config → Communication to access the various communications possibilities.



There are the 3 types of communication setups;

## 1) Operating

This command is used to connect LAP and R-LINK after finish to entering the communication properties

## 2) Disconnect

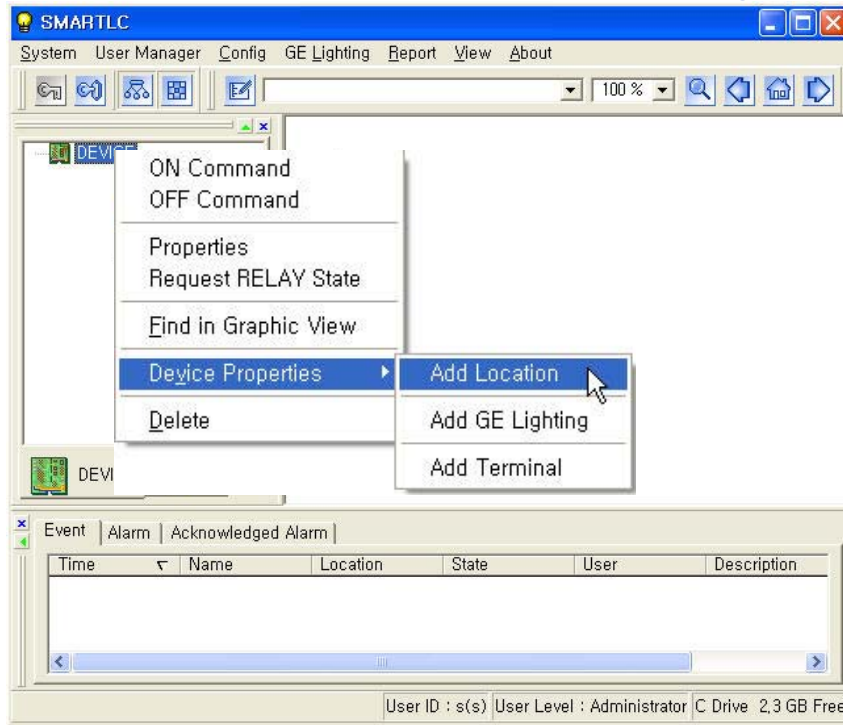
This command is used to modify the communication properties in order to disconnect the communication between LAP and R-LINK.

## 3) Server/Client

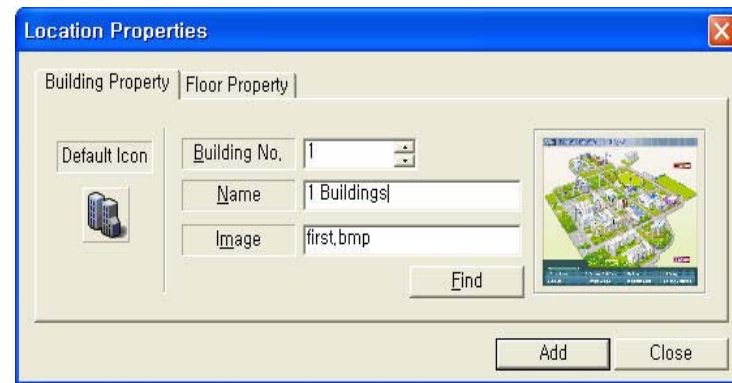
The user can can modify the registered Ethernet information using the popup window. This software allows up to 50 Clients to access the Server simultaneously.

# Site Documentation

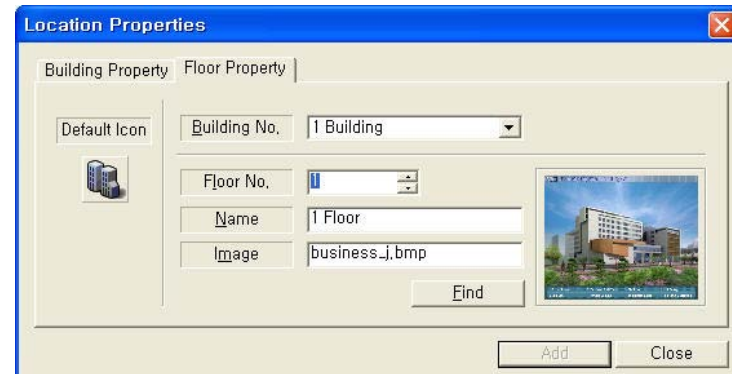
For a new site, first define the location by using the Add Location feature



The site can be defined with multiple buildings and/or multiple floors



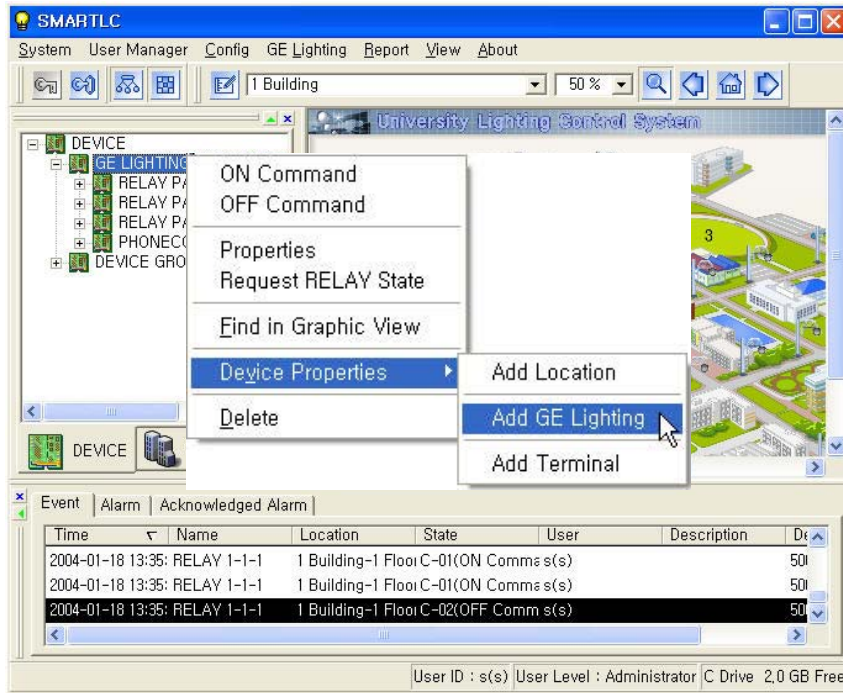
Right Click on the Location and select Properties to further define the site





# Device Documentation

Within the site location begin defining the Level III Devices



For each device the user will be able to:

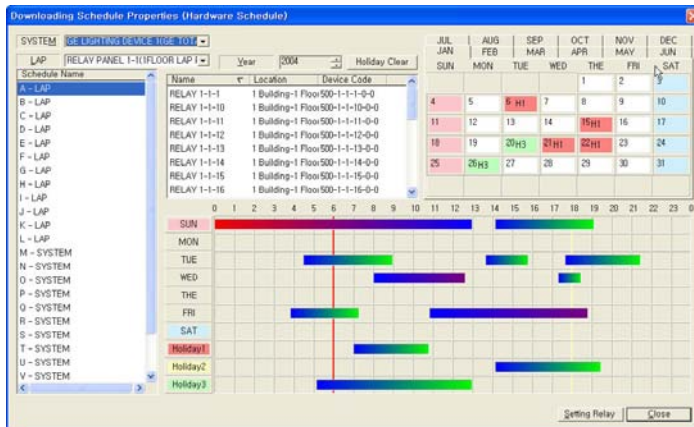
- Select the type of Panel (Switch or Relay)
- Specify the Panel Address (from 1 up to 999)
- Specify the number of Relays and/or Switches
  - Relay (1~48)
  - Switch (1~16)
- Specify the System Switches
  - PMS (1~2)
  - PSS (1~16)

# Schedule Documentation

The user can set the schedules for the system using multiple functions including:

- Enter Downloading Schedule
- Setup Control relay
- Enter Control Time & Setting (Drag-and-Drop or Keystroke)
- Specify Holiday Schedule
- Set Holiday Schedule Time
- Transfer Program

Each System Schedule is divided up into 10 daily schedules (7 days of the week and 3 holidays).



The Astronomical Feature can be used to set the ON/OFF Times

The screenshot shows the 'Astronomical Time Clock' window. It features fields for Location (Latitude, Longitude, Time Zone), Date, and calculated Sunrise and Sunset times.

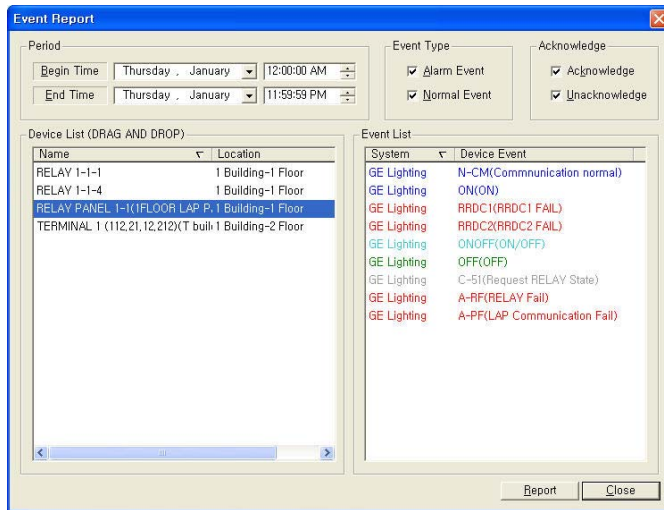
Field	Value
Latitude	43.32 N 43.19
Longitude	74.80 W 74.48
Time Zone	5
Date	February 28, 2006
Sunrise	06 : 38
Sunset	17 : 45

# Reports

LightX 3.0 has several predefined reports including:

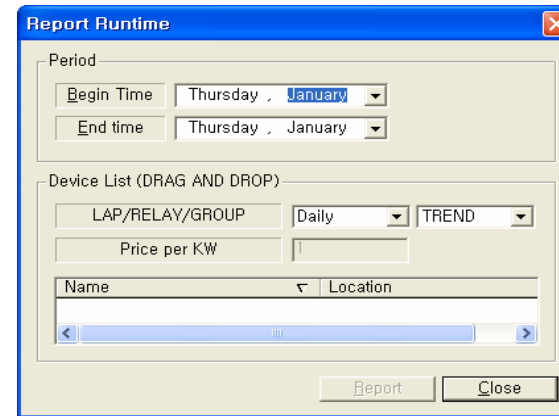
- Event Report
- Log Data Report
- Runtime Data Report
- Runtime Data Graphing

**Event Report** can be useful when you are viewing large logs and you want to look for specific Alarm Events or specific Normal Events.



## Runtime Data Report

To display the running time of a specific relay



# Graphics & Demo

LightX 3.0 has a powerful Graphic Engine that is best demonstrated.

