

LightX 3.0

Lighting Control Software



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

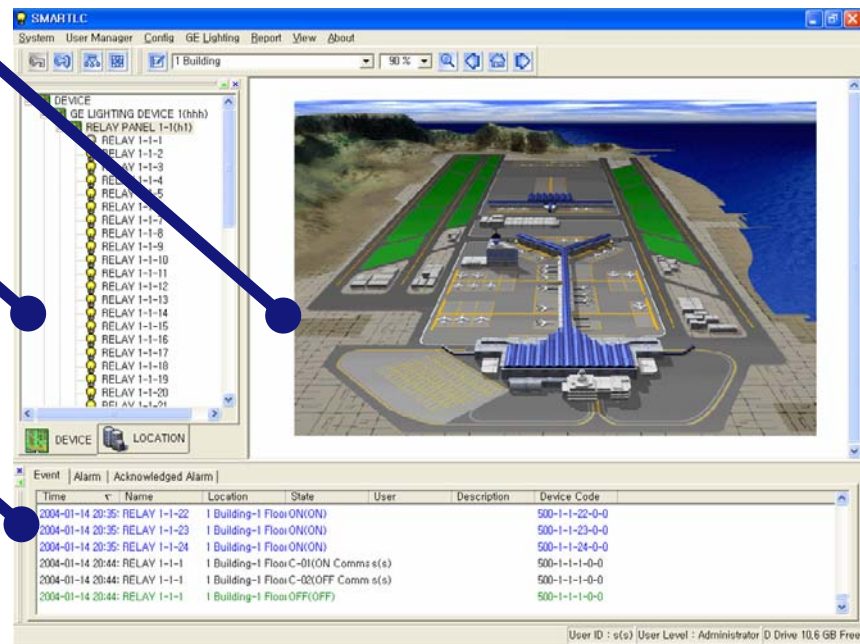
LightX 3.0 has the ability to assign logical (AND, OR) functionality to relay states

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

Graphic screens are easily modified with imbedded editing tool

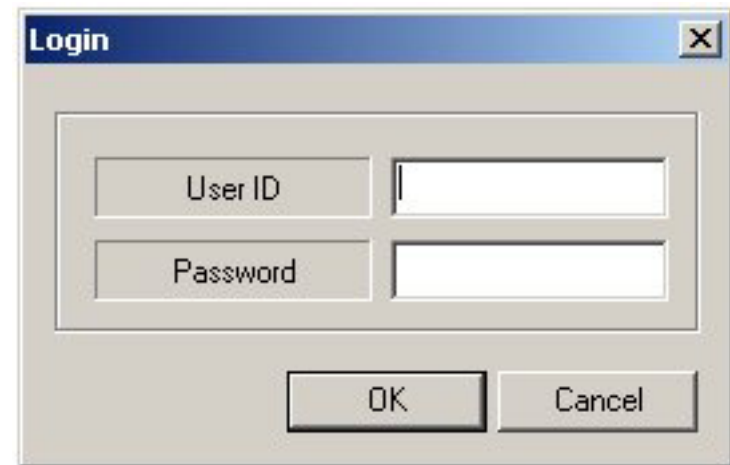
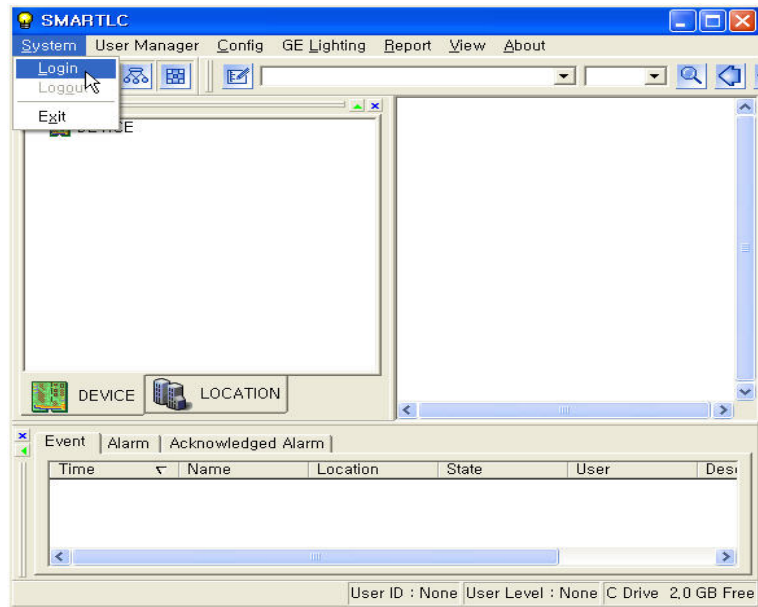
Graphics support common file types including BMP, JPG, GIF

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



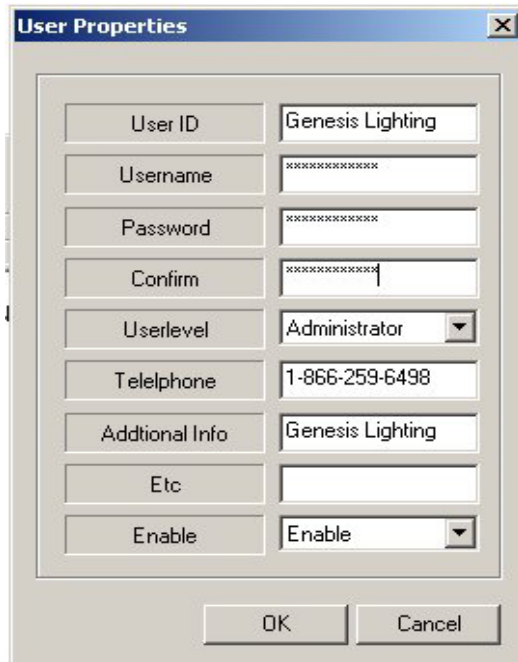
Login and Getting Started

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



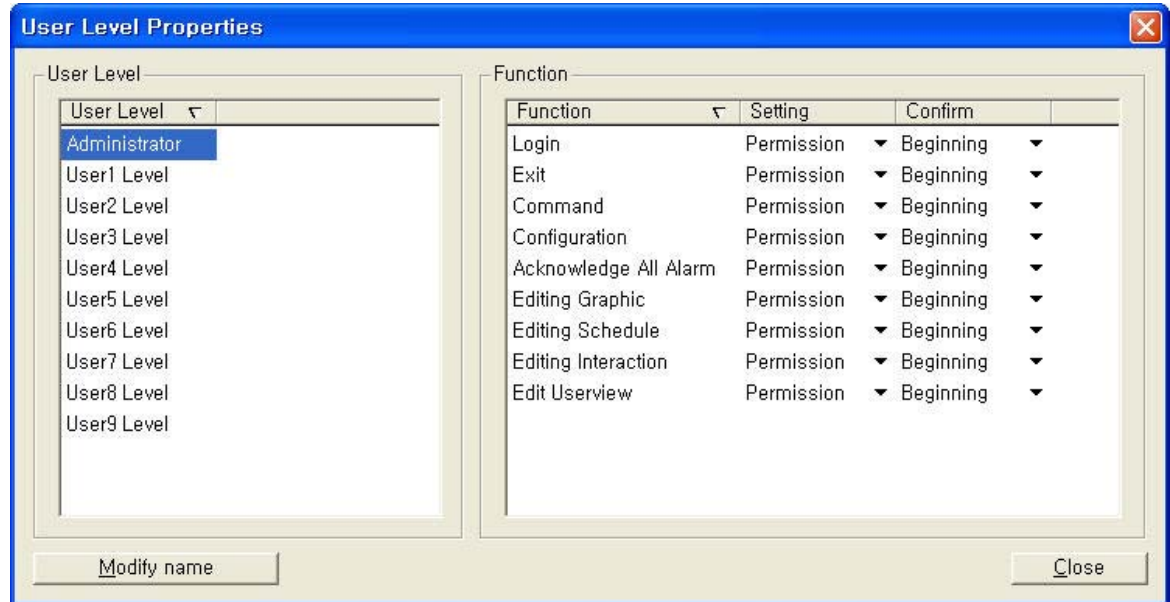
Security Settings

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



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

- User ID: Genesis Lighting
- Username: [Redacted]
- Password: [Redacted]
- Confirm: [Redacted]
- Userlevel: Administrator (dropdown)
- Telephone: 1-866-259-6498
- Additional Info: Genesis Lighting
- Etc: [Redacted]
- Enable: Enable (dropdown)
- Buttons: OK, Cancel



The 'User Level Properties' dialog box displays a list of user levels and a table of function permissions.

User Level

- User Level (dropdown)
- Administrator (selected)
- User1 Level
- User2 Level
- User3 Level
- User4 Level
- User5 Level
- User6 Level
- User7 Level
- User8 Level
- User9 Level

Function

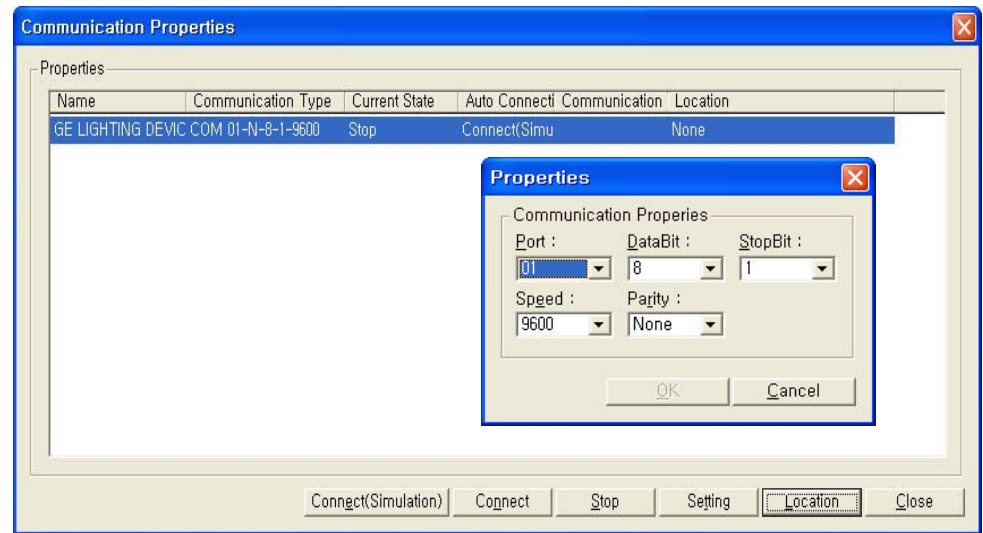
Function	Setting	Confirm
Login	Permission	Beginning
Exit	Permission	Beginning
Command	Permission	Beginning
Configuration	Permission	Beginning
Acknowledge All Alarm	Permission	Beginning
Editing Graphic	Permission	Beginning
Editing Schedule	Permission	Beginning
Editing Interaction	Permission	Beginning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

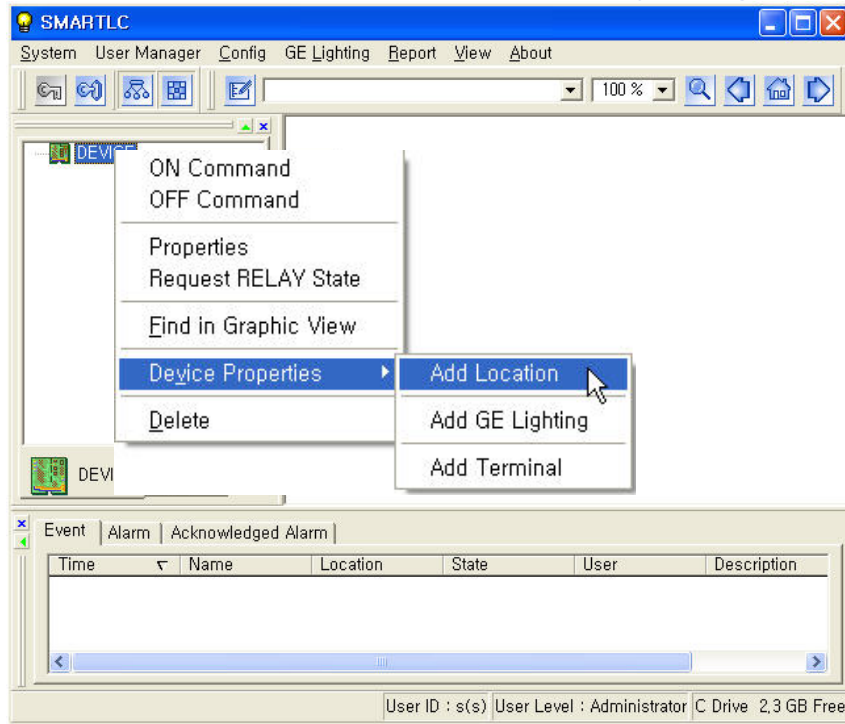
This command is used to modify the communication properties in order to disconnect the communication between LAP and R-LINK.

3) Server/Client

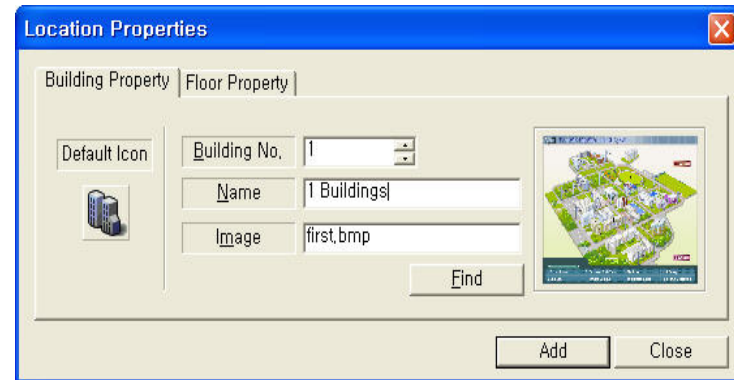
The user can can modify the registered Ethernet information using the popup window. This software allows up to 50 Clients to access the Server simultaneously.

Site Documentation

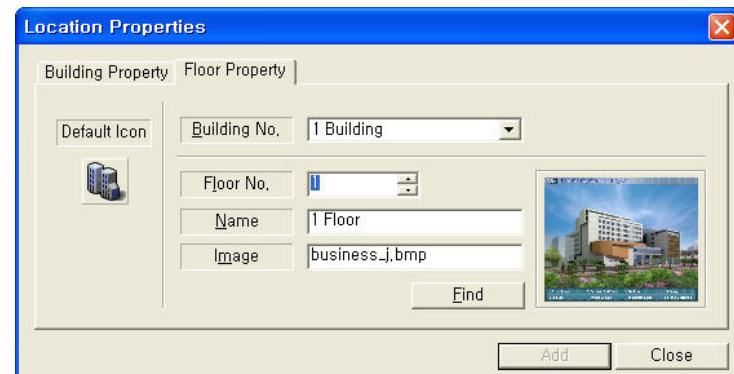
For a new site, first define the location by using the Add Location feature



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

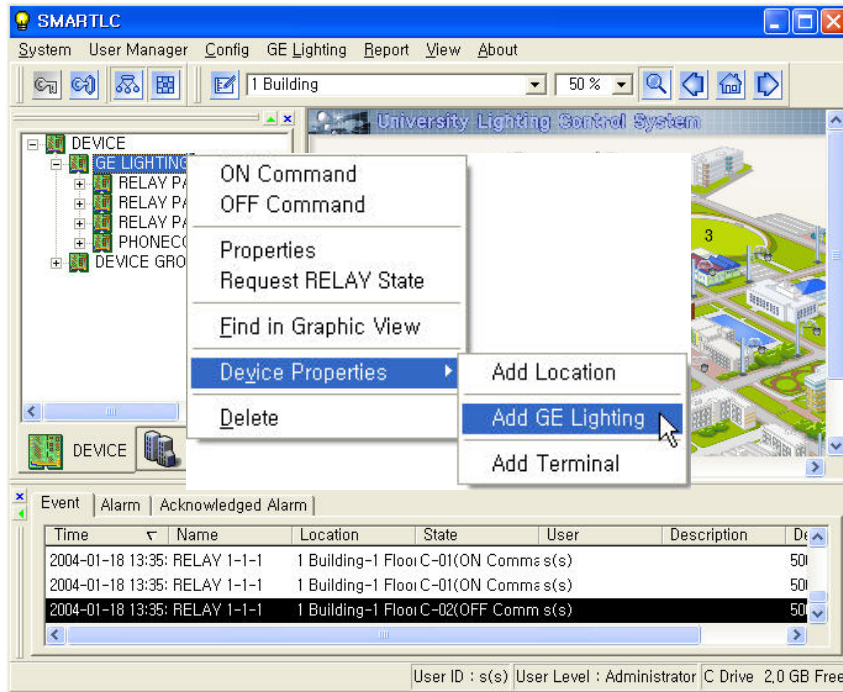


Right Click on the Location and select Properties to further define the site



Device Documentation

Within the site location begin defining the Level III Devices



For each device the user will be able to:

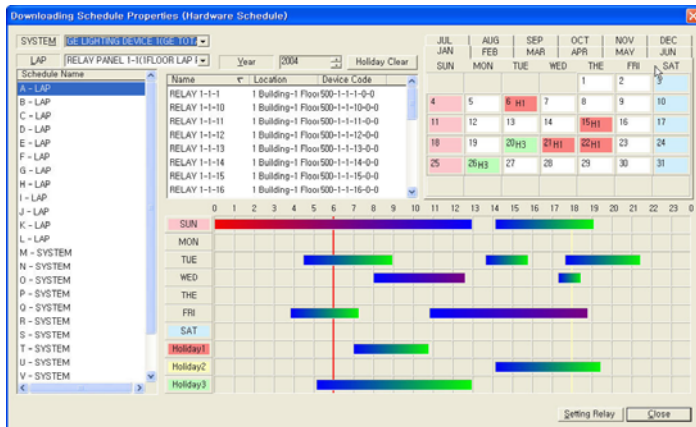
- Select the type of Panel (Switch or Relay)
- Specify the Panel Address (from 1 up to 999)
- Specify the number of Relays and/or Switches
 - Relay (1~48)
 - Switch (1~16)
- Specify the System Switches
 - PMS (1~2)
 - PSS (1~16)

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 'Astronomical Time Clock' window contains the following fields and controls:

- Location:**
 - Latitude: 43.32 N 43.19
 - Longitude: 74.80 W 74.48
 - Time Zone: 5
- Date:** February 28, 2006
- Times:**
 - Sunrise: 06 : 38
 - Sunset : 17 : 45
- Select Location:**
 - Canada, Ontario
 - Burlington
- Buttons:** Setting, Calculation, Close

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.

The Event Report dialog box is titled "Event Report" and contains the following sections:

- Period:** Begin Time (Thursday, January 12:00:00 AM) and End Time (Thursday, January 11:59:59 PM).
- Event Type:** Alarm Event (checked) and Normal Event (checked).
- Acknowledge:** Acknowledge (checked) and Unacknowledge (checked).
- Device List (DRAG AND DROP):** A list of devices including RELAY 1-1-1, RELAY 1-1-4, RELAY PANEL 1-1(1FLOOR LAP P.1 Building-1 Floor), and TERMINAL 1 (112.21.12.212)(T bulb 1 Building-2 Floor).
- Event List:** A table showing system and device events.

System	Device Event
GE Lighting	N-CM(Communication normal)
GE Lighting	ON(ON)
GE Lighting	RRDC1(RRDC1 FAIL)
GE Lighting	RRDC2(RRDC2 FAIL)
GE Lighting	ONOFF(ON/OFF)
GE Lighting	OFF(OFF)
GE Lighting	C-51(Request RELAY State)
GE Lighting	A-RF(RELAY Fail)
GE Lighting	A-PF(LAP Communication Fail)

Buttons: Report, Close

Runtime Data Report

To display the running time of a specific relay

The Report Runtime dialog box is titled "Report Runtime" and contains the following sections:

- Period:** Begin Time (Thursday, January) and End time (Thursday, January).
- Device List (DRAG AND DROP):** LAP/RELAY/GROUP (Daily), TREND, Price per KW (1).
- Name:** A list of devices.

Buttons: Report, Close

Graphics & Demo

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

