

# Script for WinControl Designer

## *Multimedia Presentation*

### **Getting Started – WinControl Designer**

WinControl Designer is free software application from Watt Stopper / Legrand that allows you to design a system of lighting controls for a facility in the design stages.

With this tool, you can document and setup the necessary program information for a facility that will use products from Watt Stopper's Lighting Integrator family. This series of presentations will take you from initial creation of your site information, all the way through generating CAD ready drawings for inclusion in design and bid documents.

In these presentations, we assume you have already downloaded and installed WinControl Designer from our web site at [www.wattstopper.com](http://www.wattstopper.com), and that you either have AutoCAD or have installed one of the CAD free viewers that can be found via our WinControl Designer home page.

If you have any questions, please contact our technical support and design center at 800-879-8585.

# Script for WinControl Designer

## *Multimedia Presentation*

### 1a. Create New Automation Card Based Project

Segment	Voiceover	Screen
<b>Intro</b>	Automation Level systems are typically recommended for small to medium sized projects. These projects usually have fewer panels (typically 10 or fewer) than most Communications Card based projects.	Start with “File” then “New”, then “Create a New Site” then Next, Next again
<b>Wizard 1</b>	For this new project, we estimate that 6 lighting control panels will be needed.	Enter # of panels req’d then Next (if more than 10, CC card will be suggested)
<b>Wizard 2</b>	The panels will need to be networked together to provide system wide control of loads.	‘Network Panels’ is checked, Next
<b>Wizard 3 and 4</b>	Dataline Switches simplify wiring by allowing daisy chain wiring, requiring only a single home run to the panel. Dataline switches will be used for this new project. In this case we will estimate about 7 Dataline Switches per panel. With Automation Card systems, Dataline switches can be configured via SmartWiring, SmartWired Clock, or Automation Appliance.	Leave ‘Support Dataline Switches’ checked, then Next.  On “Dataline Switches per panel, Enter # of switches estimated, 7, then Next
<b>Wizard 5 and 6</b>	Low voltage switching is also available with Automation, however, this project will not require a PC interface so we uncheck this option.	Leave “Low Voltage Switches” checked, Next, then uncheck PC Front End, Next
<b>Wizard 7</b>	Based on the answers given, an Automation level system is suggested.	Suggested options can be changed, but leave as is, click Next
<b>Contact Info</b>	And finally, we come to the “Contact Info” screen where we enter the project name plus any other job info that is needed.	Fill in project name (required) Skip to segment 2, Contact Info

# Script for WinControl Designer

## *Multimedia Presentation*

### 1b. Create New Communication Card Project (alternate)

Segment	Voiceover	Screen
<b>Startup</b>	To create a new Communication Card based project using WinControl Designer, launch Designer and choose “Create a New Site”. Click “Next” to continue.	Start with “File” then “New”, then “Create a New Site” then Next.
<b>Wizard Intro</b>	Here you are presented with a wizard that will guide you through the process of creating a new project based on feedback from some questions. Click “Next”.	Click Next again
<b>Wizard 1</b>	How many panels do you expect to use on this new project? In this case we expect to need at least 20 lighting control panels, so we enter 20.	Enter 20 then Next
<b>Wizard 2</b>	We require communication between the panels for advanced functionality. So we leave this checked as is.	Leave ‘Network Panels’ checked, Next
<b>Wizard 3</b>	Does this project require the use of Dataline Switches? Dataline Switches simplify wiring by allowing daisy chain wiring, requiring only a single ‘home run’ to the panel. Dataline switches can be configured via SmartWiring or the PC front end in panels equipped with a Communication Card.	Leave ‘Support Dataline Switches’ checked, then Next.
<b>Wizard 4</b>	Approximately how many Dataline Switches do you expect to install per panel? This question is relates to the size and scope of the project. We will estimate 15 Dataline Switches per panel.	On “Dataline Switches per panel, Enter # of switches as 7, then Next
<b>Wizard 5</b>	Do you expect to control multiple loads via a single input? Group Switch Inputs support low voltage switches, sensors and photocells, but each grouping on a wall switch requires a wiring home run.	Leave “Low Voltage Switches” checked, Next,
<b>Wizard 6</b>	For this example we expect to use a computer to program the system, control lights and monitor activity. We will leave this option checked.	Leave PC Front End checked, Next
<b>Wizard 7</b>	The final page provides a summary of the options selected and recommendations of the necessary hardware which includes the Communications Card option. Clicking “Finish” will take you to the “Contact Info” screen after which the project will be created.	Leave recommendations as is, click Next Proceed to segment 3, Contact Info

# Script for WinControl Designer

## *Multimedia Presentation*

### 2. Contact Info

<b>Segment</b>	<b>Voiceover</b>	<b>Screen</b>
<b>Open Contacts</b>	Contact data can be entered following the completion of the “New Site Wizard” or at any time by clicking the “Job Info and Contacts” button on the WinControl Helper screen.	Job Name must be filled in.
<b>Job</b>	The Contact Info screen is where the project gets named and supporting personnel can be assigned. The initial page requires the “Job Name” which is also the site file name. If available, enter the project address and any comments on the main page.	Job page has full address and phone number fields
<b>Specifier</b>	The “Designer/Specifier”, “Electrical Contractor” and “Mfg Rep” section may be filled out now if known, or later as the project progresses through development. These values can be used by Watt Stopper personnel to verify project needs and provide engineering feedback, submittals and quotes. If your “My Profile” has been set, new projects you create will already have the appropriate data filled in automatically, and “Set As Default” allows data to automatically be filled in on new projects.	Other pages have fields in Bold that are especially helpful when project is shared with others.
<b>Owner</b>	The “Owner” contact info allows owner based data to be saved with the project. This data may be different from the project information.	Click OK,

# Script for WinControl Designer

## *Multimedia Presentation*

### 3. Sample Sites (Designer Only Samples)

<b>Segment</b>	<b>Voiceover</b>	<b>Screen</b>
<b>Samples</b>	To more easily explore the various options within WinControl Designer, we suggest you open one of the sample site files. From the WinControl Startup Wizard, click “Open a Sample Site” and click “Next”.	Start with “File” then “New”, then “Open A Sample Site”, then Next.
<b>Choose Sample</b>	Select either the “Corporate Office” which is a CC based system or the “Small University Application” which is an Automation based system. Click “Finish” to open the selected sample site.	Choose “Designer - Small University Application”, then Finish

# Script for WinControl Designer

## *Multimedia Presentation*

### 4a. System Options for Automation

Segment	Voiceover	Screen
<b>Intro</b>	System level options for an Automation Card project may be modified via the “Specify System Options” button.	With Sample Site “Small University Application” open, from “WinControl Helper”, click “System Options”
<b>Phone Override and Photocell</b>	Here we can select the number of telephone override devices and which panel – if any – that will hold a photocell controller.	Move over telephone override count and photocell control panel selection
<b>Scheduling</b>	<p>There are also several options for documenting time schedules and which panel the SmartWired Clock is installed in.</p> <p>The SmartWired clock provides a full featured, programmable time scheduler that can be documented here. Five different scheduling scenarios are available to choose from.</p>	Choose “SmartWired Clock” then “Setup” then “Scenario” drop down. Cancel to return.
<b>BAS</b>	Another scheduling option is BAS integration. This module allows outputs from a BAS integrator to schedule and control lighting in an Automation Card equipped system.	Choose “BAS” Interface
<b>Appliance</b>	The Automation Appliance option allows web based access to an Automation system for documentation, scheduling, and control. The Automation Appliance is used in place of the Clock or BAS Interface.	Mouse over Automation Appliance

# Script for WinControl Designer

## *Multimedia Presentation*

### **4b. System Options for Communications Card (alternate)**

<b>Segment</b>	<b>Voiceover</b>	<b>Screen</b>
<b>Intro</b>	System level options for a Communications Card project may be modified via the “Specify System Options” button. These are all high level options that can be added to the project.	With Sample Site “Designer – Corporate Office” open, from “WinControl Helper”, click “System Options”
<b>Software</b>	WinControl Graphics provides such things as a graphical floor plan and status of the lighting system.	Move mouse over various options
<b>Network</b>	The network options provide advanced connectivity features to the lighting system. Link allows PC access to the lighting network while the BACnet option provides BACnet integration. The WebLink offers web-based access to a CC network plus it provides a 365 day scheduler plus other features	Move mouse over various options
<b>Computer</b>	The computer options provide a way to document who provides the computer and how it is configured, especially useful for the Riser Diagram.	Move mouse over various options

# Script for WinControl Designer

## *Multimedia Presentation*

### 5. Creating Lighting Control Panels

<b>Segment</b>	<b>Voiceover</b>	<b>Screen</b>
<b>Create New Panels</b>	When selecting “Create New Panels”, a ‘wizard’ appears to help you choose the necessary options for each new panel	(Start with “Small University Application”) Choose Create New Panels
<b>Panel Id</b>	The Panel Id is simply a number for referencing the panel. Id’s must be unique, and the system will automatically assign them sequentially	Move mouse over various options
<b>Panel Name and Location</b>	Panel name and location are for your use when referencing this panel. Panel Id, Name, and Location are typically displayed whenever it is time to select a panel. Any text may be entered.	Move mouse over various options
<b>Riser Location</b>	The Riser Location X and Y is used to place the panel on the Riser diagram. Y (level) refers to the floor, and X (column to the horizontal axis. Panels with the same X value on but on different levels will appear in vertically in line.	Move mouse over various options
<b>Panel Capacity</b>	The Panel Capacity refers to physical capacity for holding relays. Panels can also hold contactors in addition for certain configurations. We will select 48 relays for this panel.	Choose 48
<b>Create</b>	We now create the panel, then choose “Document Panel Schedules and Switches” and click OK	Click Create then select “Document Panel Schedules and Switches”, click OK
<b>Documenting Load Schedules</b>	Multiple pages appear, including Document, Relays, Channels, and Dataline Switches. To document relay load schedules, click Relays.	Click Relays tab
<b>Circuit and Description</b>	Fill in text fields for each load, including Circuit and Description. If a Low Voltage switch is directly controlling the load, note that in the LV Switch column	Enter example text in Circuit and Description, click OK, then Close.

# Script for WinControl Designer

## *Multimedia Presentation*

### 6. Dataline Switches

Segment	Voiceover	Screen
<b>Documentation</b>	Dataline Switches are added and configured from individual Panels. Although switches are not limited to control of a single panel, they are associated with one primary panel. Click “Document Panel Schedules” from the helper, then pick a panel	Click Document Panel Schedules, then choose a Panel 1, click OK.
<b>Dataline Switches</b>	Choose the “Dataline Switches” tab.	Click Dataline Switches tab
<b>Create New</b>	Here we will create a new dataline switch, and name it ClassroomC10.	Click New then enter a name for switch <i>ClassRoomC10</i> and click OK
<b>Select Type</b>	We can select from various Switch sizes, from single button to 8 button Octal. For this one we will choose Two button, note how the image changes. We can enter labels for the buttons as well	Select Two button. Click Edit Labels, and enter “East” and “West” on buttons.
<b>Program</b>	Click the Program page to select the loads that will be controlled by each button on the switch. Note the On/Off button, click it to see a list of relays that may be controlled	Click Program tab, click ON/OFF button next to button 1
	Click to select relay 33, much like SmartWiring is done at the panel, then click OK. Repeat for second button, this time selecting relay 34.	Click to include 1/33 for East, click OK. Click On/Off next to button 2, click 1/34 for West, click OK, then OK to close

# Script for WinControl Designer

## *Multimedia Presentation*

### 7. Reporting – Panel Schedules

<b>Segment</b>	<b>Voiceover</b>	<b>Screen</b>
<b>Reports</b>	Click View Reports to see available hard copy of your documentation and programming	Click View Report
<b>LCP Wiring Documentation</b>	The available reports allow you to have a permanent record of programs and configuration. For Automation Card based systems, you will use the documentation to SmartWire your devices. For Communications Card systems, you can use the full WinControl product to transfer data to your panels from your PC.	Select LCP Wiring Documentation. Choose panel 1.
	LCP Wiring Documentation is an excellent report to attach to the panel in the wiring close.	Browse through report
<b>Save As</b>	All reports are generated using standard 'html' any may easily be saved for later viewing in any web browser.	Click "File Save As".

# Script for WinControl Designer

## *Multimedia Presentation*

### 8. Produce DXF Drawing

Segment	Voiceover	Screen
<b>Generate DXF</b>	Click on Generate DXF drawing to generate drawings ready for inclusion in AutoCAD or other DXF capable CAD program.	WinControl Helper
<b>Riser Options</b>	Multiple options are available. A common request is for a riser diagram showing placement of panels and devices throughout the building. Individual Dataline switches can be shown on the riser, or simply summarized by type.	Riser options, uncheck Dataline Switch detail
<b>View</b>	Other available options for DXF CAD drawings include panel schedules and typical wiring diagrams. When ready to view, click View	Mouse over other options, then click View.
<b>CAD Viewer</b>	Note that panels are placed on riser according to the panel documentation riser location. Dataline switches and other network devices are also shown, as are panel circuit and voltage. You may include all drawing options on a single drawing, or you may choose to generate different options in separate files. Use the Save option instead of View when you are ready to save the DXF file.	Scroll and zoom through drawing

# Script for WinControl Designer

## *Multimedia Presentation*

### 9. Send Project to Watt Stopper

Segment	Voiceover	Screen
<b>Helper</b>	If you would like to have your project reviewed by our design team, or receive a budget price quotation, WinControl Designer has a built in feature for this purpose	Start with Helper open
<b>File Menu</b>	Simply click on “File” then “Send File to Watt Stopper”. If you have not filled in your profile (which includes your name, phone number, and email address) you may be prompted for this information.	Close Helper Click ‘File’ then ‘Send File to Watt Stopper’
<b>Email Info</b>	A screen will pop up for you to fill in a message to our Watt Stopper design team. Just type in a message describing the help you would like with this project, as well as filling in your name and phone number so we may contact you.	Review subject line, Fill in message details and phone number
<b>Send</b>	When you click “Send” an email will be created in your default email program with the site file automatically attached. The email will be addressed to our WattStopper design team. Just click “Send” in your email program to put the message on its way! Our support team will follow up with you quickly.	Click Send