

TrekkerPhotoArt.com

X10ManagerDesktop

Operations Manual

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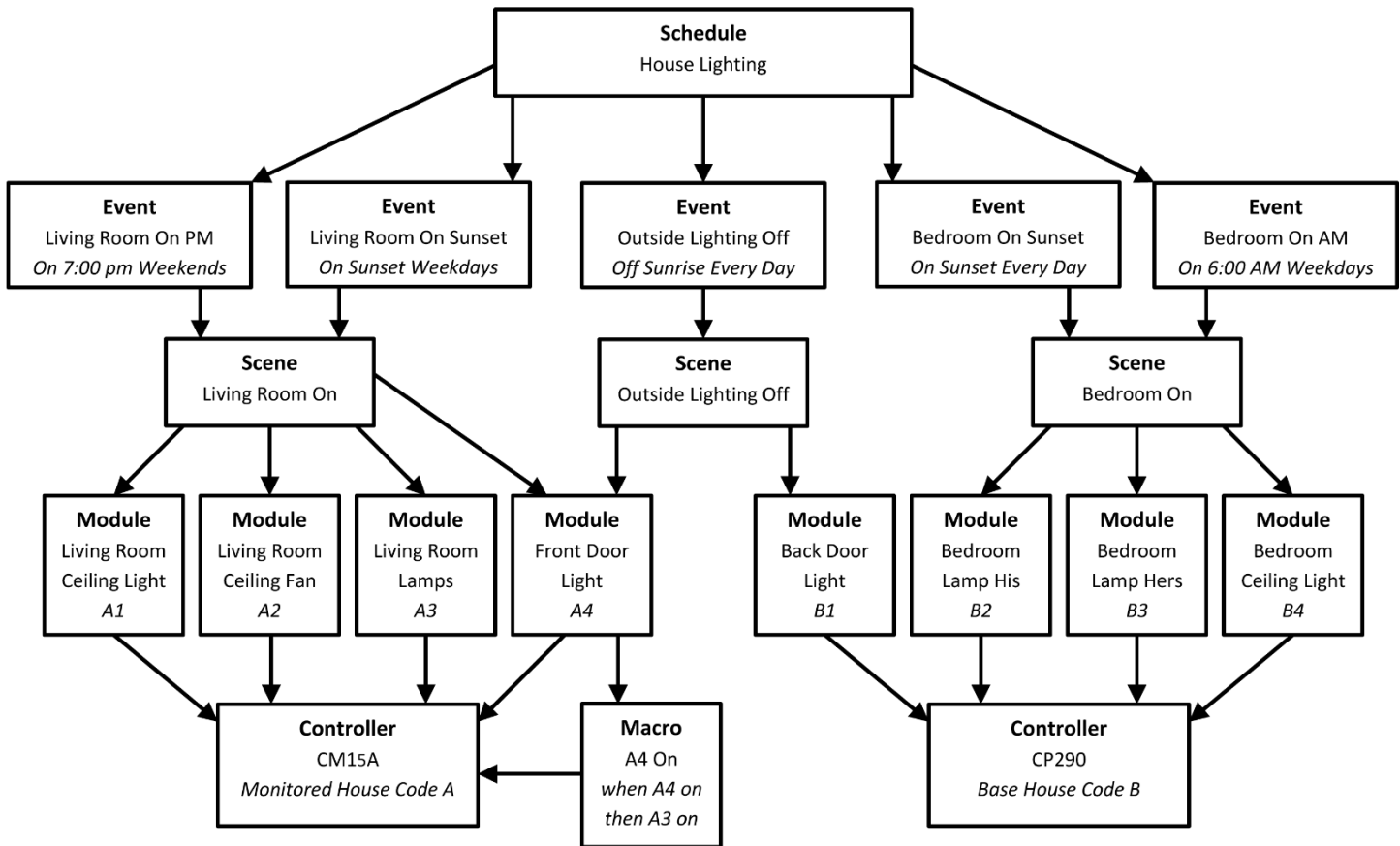
Table of Contents

Overview	3
X10ManagerDesktop Functional Operation	3
X10ManagerDesktop program Window	5
X10ManagerDesktop program Window Menus	6
Specifications	7
Revisions	8
Licensing.....	9
CREATIVE COMMONS PUBLIC LICENSE (CCPL)	9
Installation	13
Setup	16
1st Time Setup	16
Customize the X10Manager Desktop program Layout	18
Repair Installation.....	19
Remove Installation	20
Preserve Files and X10 database	21
Controllers	23
Add CP290 X10 Home Control Interface	23
Edit CP290 X10 Home Control Interface	25
Add CM15A X10 ActiveHome Pro	26
Edit CM15A X10 ActiveHome Pro	28
Download Events to Controller	29
Modules	30
Add X10 Module	30
Edit X10 Module	32
Scenes	33
Add Scene	33
Edit Scene	35
Schedules.....	36
Add Schedule	36
Edit Schedule	38
Events	39
Add Event	39

Edit Event	42
Macros	44
Add Macro	44
Edit Macro	46
Appendix	47
X10Manager (command line)	47
<i>X10Manager.exe</i>	48
<i>Operations common to all Controllers</i>	49
<i>CM15A Controller specific Operations</i>	52
<i>CP290 Controller specific Operations</i>	54
<i>Email Notifications</i>	55
Credits	56
<i>The Code Project Open License (CPOL) 1.02</i>	57

Overview

X10ManagerDesktop Functional Operation



The “X10ManagerDesktop Functional Operation” diagram above shows relationships between **Schedules**, **Events**, **Scenes**, **Modules** and **Controllers**. The second item in each block is a freely formatted name of the **Schedule**, **Event**, **Scene**, **Module** or **Controller**. For example, the block labeled “Schedule” has been given a name “House Lighting”.

Items shown in *italics* would be an operation or designator. For example, the “Event” block “Living Room On PM” has an operation “*On 7:00 pm Weekends*”; the “Module” block “Living Room Ceiling Light” has a Module designation “*A1*”.

A **Schedule** consists of many **Events**. **Events** are unique to each **Schedule**. Each **Event** will trigger one **Scene**. For example, Event “Living Room On PM” could not trigger an additional Scene.

One **Scene** can be triggered by multiple **Events**. For example, Scene “Living Room On” has two Events named “Living Room On PM” and “Living Room On Sunset” that triggers Scene “Living Room On” at different times and days.

What’s shown above is for illustrative purposes. Additional **Events** and **Scenes** will need to be added. For example, a Scene can be added that will turn off the Living Room Lights.

Overview – continued

X10ManagerDesktop Functional Operation – continued

Scenes can be limited to groups of **Modules** set to one **House Code** as shown above with **Scene** “Living Room On”.

-or-

Scenes can control groups of **Modules** set over multiple **House Codes** as shown above with **Scene** “Outside Lighting Off”.

Macros (or **Macro Initiators**) can be added for **Controllers** that support **Macro Initiators** such as the CM15A.

From a **Scheduling** -or- **Event** -or- **Scene** perspective, **Controllers** can support **Modules** set using multiple **House Codes**. For example, additional Modules set at House D could be added to the CM15A Controller.

However, **Controllers** can have limitations. For example, the CM15A Controller is limited to Monitoring one House Code (in this case House Code A). So Macro Initiators could only be Triggered by Modules set to House Code A.

There can be multiple **Controllers**. The “X10ManagerDesktop Functional Operation” diagram shows two **Controllers**. Supported **Controllers** can be added in any desired combination. For example, a 2nd CM15A Controller can be added that would support **Modules** in House Code D to allow a Monitored House Code D for Macro Initiators.

Note: Information regarding installation, setup and operation of X10 Controllers and X10 Modules is not covered in this Operations Manual.

Overview – continued

X10ManagerDesktop program Window

The screenshot displays the X10ManagerDesktop application window with a menu bar (File, Controller, Module, Scene, Schedule, Macro, Help) and status indicators (Download, All Lights Off, All Lights On). The interface is divided into four main panels:

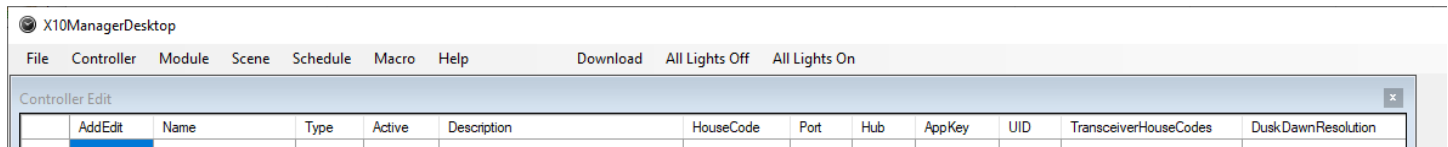
- Controller Edit:** A table with columns: AddEdit, Name, Type, Active, Description, HouseCode, Port, Hub, AppKey, UID, TransceiverHouseCodes, Dusk/Dawn/Resolution. It lists two controllers: CM15A and CP290.
- Module Edit:** A table with columns: AddEdit, Controller, Code, Name, Description, Enabled, Dimmer, Lighting, Extended. It lists various lighting modules like OutGar, FPorch, BDoor, HalFloor, GrgSrvDr, Garage, FrontWlk, Den Test Dimmer Module, DinLight, ComerCa, Kitchen, DinFan, and LivWall.
- Schedule Edit:** A table with columns: AddEdit, Name, Description, Sunrise Time, Sunset Time, Active. It shows a single schedule entry for 'House Lighting'.
- Scene Edit:** A table with columns: AddEdit, Name, Description, HouseCode, CurrentHouseCodeOnly. It lists numerous scenes such as A/V Comp ON, ALL OFF JS, ALL OFF KS, Christmas Tree Off, Doors Off S, Doors On S, Front Walk Off, Front Walk On, Garage Off, Garage On, Garage Service Door ON, Hallway Floor Off, Hallway Floor On, Kitchen OFF, Kitchen ON, Living Room Lights Off, Living Room Wall Off, Living Room Wall On, and LivRoom Off.

X10ManagerDesktop program can concurrently manage multiple **Controllers**, **Modules**, **Scenes**, **Schedules** and their **Events** using their respective “Add” and “Edit” forms.

Controllers, **Modules**, **Scenes** **Schedules** and their **Events** will have freely formatted names and descriptions given when they are added or later modified via the **X10ManagerDesktop** program. “Add” and “Edit” forms.

The **Setup** section discusses a sequence for 1st time setup of **Controllers**, **Modules**, **Scenes**, **Schedules** and their **Events**.

X10ManagerDesktop program Window Menus



File

- Settings X10ManagerDesktop program behavior
 - Longitude and Latitude used for calculating Sunrise and Sunset times are entered here.
- Backup Backup X10 database
 - The “Backup Directory Path” location is found in “Settings”
- Restore Restore X10 database
- Exit Exit Program – Exiting program saves Windows size and positions per user

Controller

- Add Add a X10 Controller to the X10 database
- Edit Modify a X10 Controller already in the X10 database
- Download Download Event Timers to Selected Controllers

Module

- Add Add a X10 Module to the X10 database
- Edit Modify a X10 Module already in the X10 database
- Import Import a list of X10 Modules from a CSV file
 - Refer to “Appendix” – “X10Manager.exe” – “Operations Common to all Controllers” – “importModulesToX10Db” for “CSV Import File Format”
- Export Export a list of X10 Modules to a CSV file

Scene

- Add Add a Scene to the X10 database
- Edit Modify a Scene already in the X10 database

Schedule

- Add Add a Schedule to the X10 database
- Edit Modify a Schedule already in the X10 database
 - Add Event / Edit Event is found in a selected Schedule

Macro

- Add Add a Macro to the X10 database
- Edit Modify a Macro already in the X10 database

Help

- View Help Uses Adobe Reader or Adobe Acrobat to display this Operations Manual
- About X10ManagerDesktop Displays X10ManagerDesktop run-time and version information

Download Download Event Timers to Selected Controllers

All Lights Off Turn Off all lights connected to “Enabled” Modules with “Control Lights” checked

All Lights On Turn On all lights connected to “Enabled” Modules with “Control Lights” checked

Specifications

Supported X10 Controllers:

- CP290 X10 Home Control Interface
- CM15A X10 ActiveHome Pro

Operating System: Microsoft Windows 10 (32 bit or 64 bit)

"**Adobe Reader**" or "**Adobe Acrobat**" is needed to read file **X10ManagerDesktop_OperationsManual.pdf** which contains this "X10ManagerDesktop Operations Manual" document.

"**Adobe Reader**" or "**Adobe Acrobat**" can be found at:

<https://www.adobe.com/accessibility/products/reader.html>

<https://get2.adobe.com/reader/>

Computer Interface:

- For each CP290 Controller: RS-232 Port (600 baud, 8 data bits, no parity, 1 stop bit)
- For each CM15A Controller: USB Port (1.1, 2, 3)

Note: Connection through external USB expansion hub is not supported.

Revisions

"X10ManagerDesktop"

Copyright © February 2006 trekkerphotoart.com

Version: 5

Revised: December 17, 2020

"X10Manager" (command line)

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Version: 5

Revised: December 17, 2020

Program Schema:

Copyright (c) November 2006 trekkerphotoart.com

Version: 5

Version Date: November 30, 2020

X10 Database Schema:

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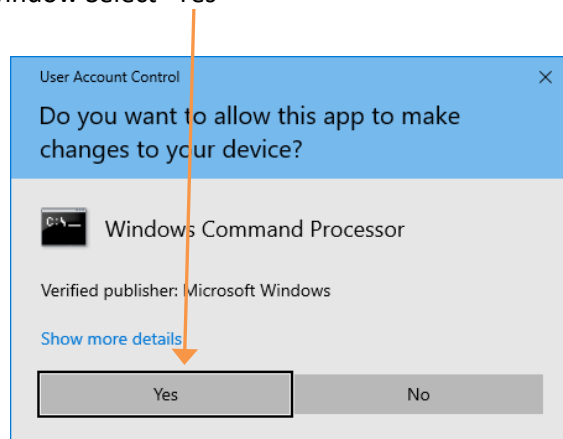
Installation

Extract install folder “X10ManagerDesktop_Installer” from the ZIP Archive “X10ManagerDesktop_Installer_Release.zip”

- 1) Mouse-Right-Click Windows Start Menu
- 2) Select “File Explorer”
- 3) With “File Explorer” navigate to “X10ManagerDesktop_Installer_Release.zip”
- 4) Mouse-Right-Click “X10ManagerDesktop_Installer_Release.zip”
- 5) Select “Open”
- 6) Mouse-Right-Click “X10ManagerDesktop_Installer”
- 7) Select “Copy”
- 8) With “File Explorer” navigate to “This PC”
- 9) Mouse-Right-Click “Local Disk (C:)”
- 10) Select “Paste”

Import “X10ManagerDesktop_Installer” Certificates.

- 1) With “File Explorer” navigate to “C:\X10ManagerDesktop_Installer”
- 2) Mouse-Right-Click “ImportCert_X10ManagerDesktop_Installer.cmd”
- 3) Select “Run as administrator”
- 4) In “User Account Control” window Select “Yes”



Installation – continued

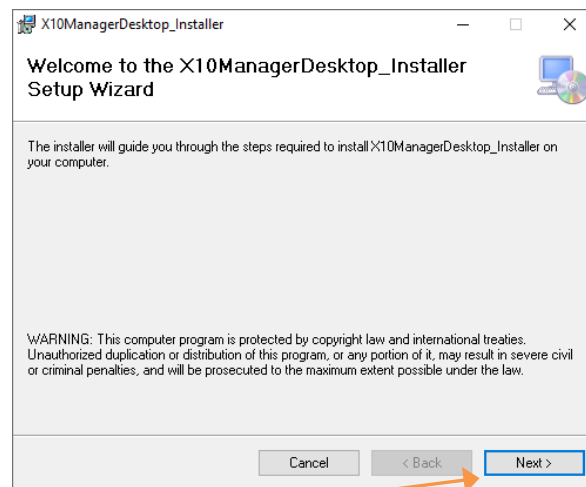
A normal **X10ManagerDesktop** and **X10Manager** (command line) installation will create new folders in the following locations:

- C:\X10ManagerDesktop_Installer
- C:\Program Files (x86)\trekkerphotoart.com\X10ManagerDesktop_Installer
- C:\X10Manager

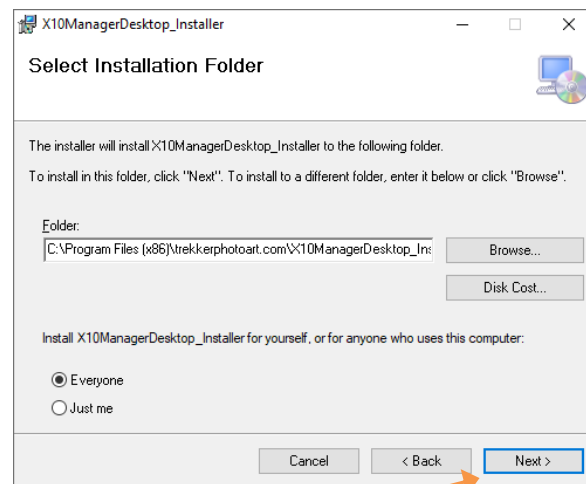
Note: Existing folders and their contents will be replaced.

Install “X10ManagerDesktop”

- 1) With “File Explorer” navigate to “C:\ X10ManagerDesktop_Installer”
- 2) Mouse-Right-Click “X10ManagerDesktop_Installer.msi”
- 3) Select “Install”

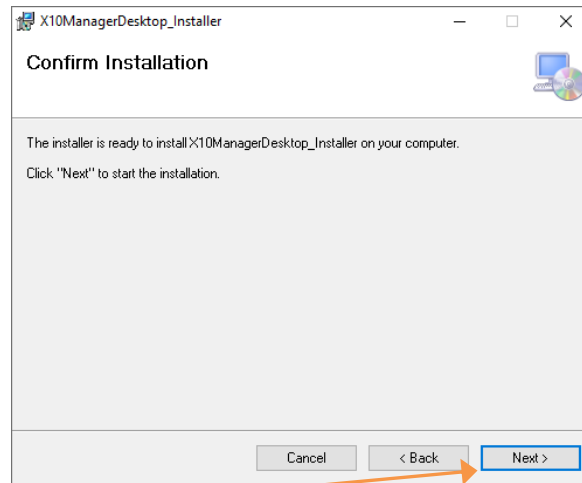


- 4) Select “Next”



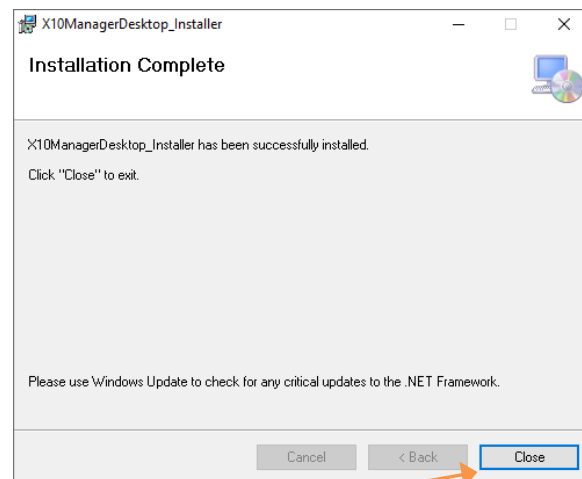
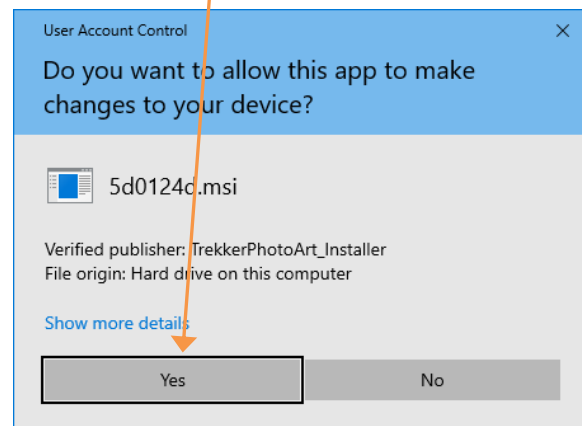
- 5) Use existing “Folder” location
- 6) Select “Everyone”
- 7) Select “Next”

Installation – continued



8) Select "Next"

9) In "User Account Control" window Select "Yes"



10) Select "Close" to finish Installation.

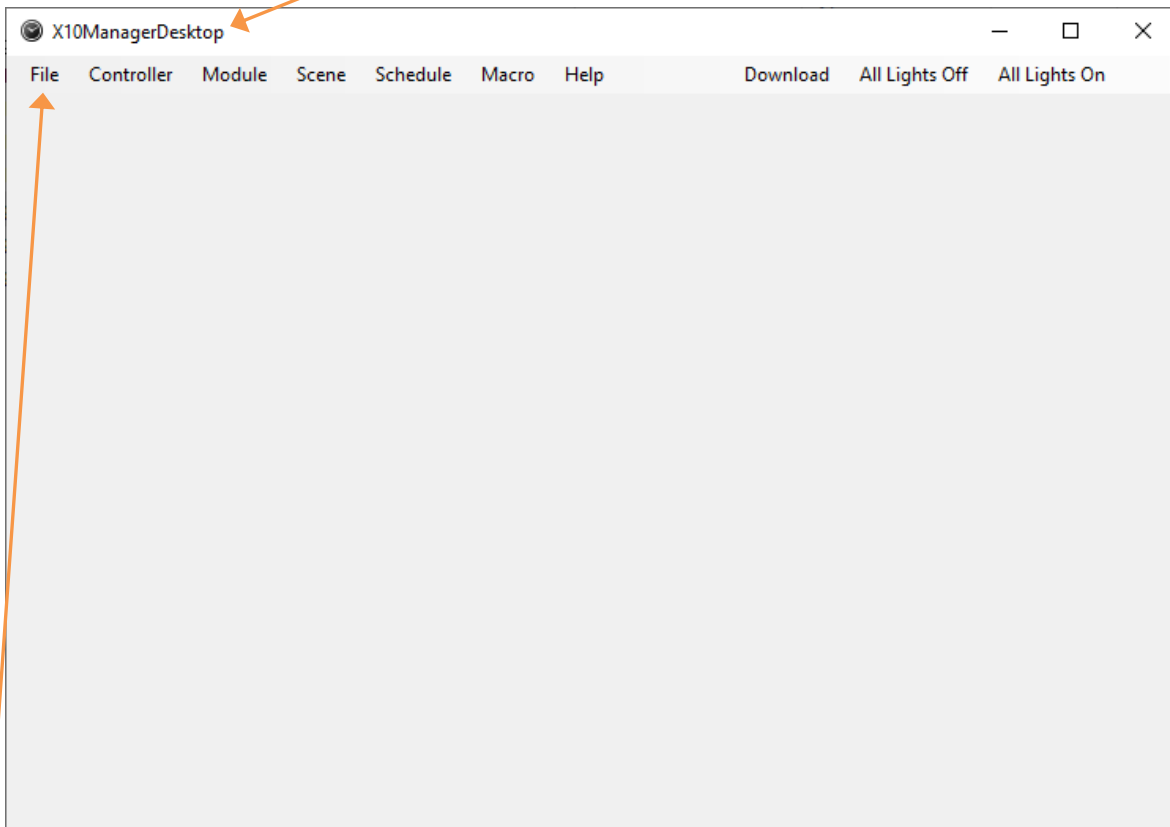
Setup

1st Time Setup

Launch “**X10Manager Desktop**” by Double-Clicking on it’s Desktop Icon.



1st time **X10ManagerDesktop** program window will be displayed.



Select “File” – “Settings”

Setup – continued

1st Time Setup – continued

“Settings” Form is Displayed.

Your locations “Longitude” and “Latitude” need to be defined. These are used for calculating Sunrise and Sunset times used by Timer Events.

Sites such as “[My Location](https://my-location.org/)” at <https://my-location.org/> can be used to find your “Longitude” and “Latitude” coordinates.

Settings

☒ Verify On Program Exit
☐ Show Advanced Information

Longitude and Latitude are used for calculating current location's Sunrise and Sunset times.

Longitude: ex: -88.201175
Latitude: ex: 43.031488

Backup Directory Path:
Browse ex: C:\X10Manager\X10DbBackup\

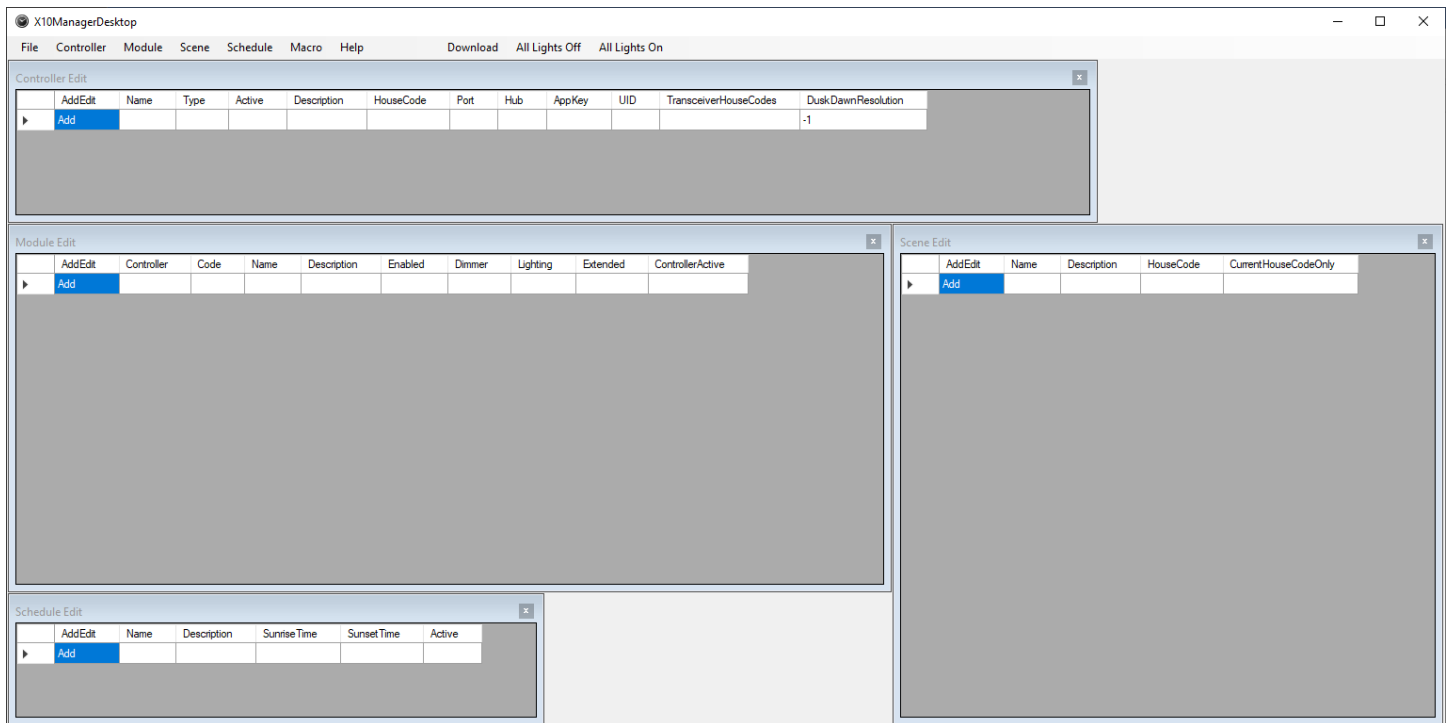
X10DbConnectionString:
ex: Provider=Microsoft.Jet.OLEDB.4.0;Data Source='C:\X10Manager\X10Db.mdb'

Reset Your Program Window Layouts

Update Cancel

Click “Update” when finished.

Customize the X10Manager Desktop program Layout



Above shows an example of the **X10ManagerDesktop** program run for the 1st time. The layout is accomplished by selecting “Edit” from each menu drop down, then sizing and placing the displayed Edit Window as desired.

The Window size and positions will be automatically saved per user at program close/exit.

The following sections discuss adding **Controllers, Modules, Scenes, Schedules** and their **Events**.

For 1st time setup “Add” at least one item to each category using the following order:

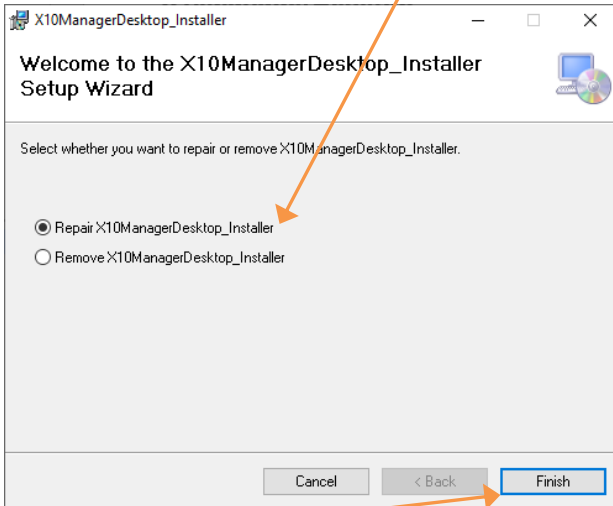
- 1) Controller
- 2) Module
- 3) Scene
- 4) Schedule
 - a. Event

Repair Installation

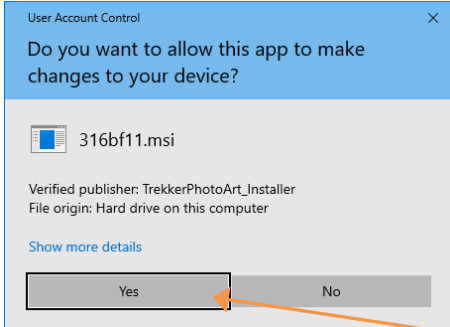
To Repair or Re-Install “X10ManagerDesktop”

- 1) With “File Explorer” navigate to “C:\X10ManagerDesktop_Installer”
- 2) Mouse-Right-Click “X10ManagerDesktop_Installer.msi”
- 3) Select “Install”

Select “Repair X10ManagerDesktop_Installer”



Click “Finish”



In “User Account Control” window Select “Yes”

The program will be re-Installed.

Note: **X10ManagerDesktop** and **X10Manager** folders will be replaced with a fresh copy of all original installed files and a clean X10 database. Any additional or modified files and script customizations in these folders, and data in the X10 database will be cleared.

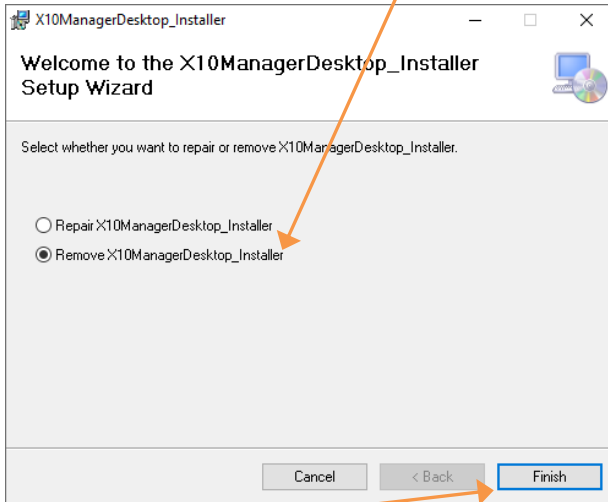
Refer to “**Preserve Files and X10 database**” section for details on how to preserve additional files, script customizations and data in the X10 database.

Remove Installation

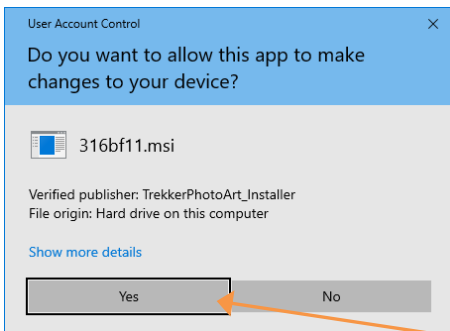
To Remove “X10ManagerDesktop”

- 1) With “File Explorer” navigate to “C:\X10ManagerDesktop_Installer”
- 2) Mouse-Right-Click “X10ManagerDesktop_Installer.msi”
- 3) Select “Install”

Select “Remove X10ManagerDesktop_Installer”



Click “Finish”



In “User Account Control” window Select “Yes”

The program will be removed.

Note: **X10ManagerDesktop** and **X10Manager** folders will be removed. Any additional or modified files and script customizations in these folders, and the X10 database will also be removed.

Refer to “**Preserve Files and X10 database**” section for details on how to preserve additional files, script customizations and data in the X10 database.

Remove Installation – continued

Preserve Files and X10 database

A normal **X10ManagerDesktop** and **X10Manager** (command line) installation will create new folders in the following locations:

- C:\X10ManagerDesktop_Installer
- C:\Program Files (x86)\trekkerphotoart.com\X10ManagerDesktop_Installer
- C:\X10Manager

Note: Existing folders and their contents will be replaced.

"C:\Program Files (x86)\trekkerphotoart.com\X10ManagerDesktop_Installer" contains files needed for operation of **X10ManagerDesktop**.

- When a Repair or Remove Installation is performed, this folder and its contents are removed.
- A Repair Installation will re-create this folder and its contents.

Note: Do not add or modify files in this location.

"C:\X10Manager" contains files needed for operation of both **X10ManagerDesktop** and **X10Manager** (command line).

- When a Repair or Remove Installation is performed, this folder, its subfolders and its contents are removed.
- With a Repair Installation, the core files and some support command scripts (.cmd) are re-created.

The core files and subfolders within "C:\X10Manager" are:

- X10Db.mdb X10 Access database
- X10Manager.exe X10Manager (command line) executable
- X10Manager.exe.config Configuration file for X10Manager.exe
- X10Include.dll Library file for X10Manager.exe
- X10IncludeCM.dll Library file for X10Manager.exe
- ParadoxReader.dll Library file for X10Manager.exe
- PurgeFiles.vbs Used by command scripts (.cmd) to purge script run-time log files
- X10Manager_backupX10Db.cmd
- X10Manager_createX10DbTables.cmd Resets X10 database, all existing data and settings are cleared
- X10Manager_downloadEventsToActiveControllers.cmd
- X10Manager_exportModulesFromX10Db.cmd
- X10Manager_importModulesToX10Db.cmd
- X10Manager_restoreX10Db.cmd
- X10ManagerDesktop_OperationsManual.pdf A copy of this Operations Manual
- C:\X10Manager\Examples Folder that contains example command scripts (.cmd)
- C:\X10Manager\X10DbBackup Default X10 database backup / restore location.

The next page shows steps for preserving and restoring files and X10 database.

Remove Installation – continued

Preserve Files and X10 database– continued

BEFORE a Repair or Remove Installation is performed, contents of the X10 database and your additional or customized command scripts need to be preserved.

- 1) Perform a X10 database backup by double-clicking on C:\X10Manager\X10Manager_backupX10Db.cmd
- 2) Create a new folder, C:\X10Manager_SAVE
- 3) Create a new folder, C:\X10Manager_SAVE\X10DbBackup
- 4) Create a new folder, C:\X10Manager_SAVE\Examples
- 5) Copy C:\X10Manager*.cmd command scripts only to C:\X10Manager_SAVE
- 6) Copy C:\X10Manager\X10DbBackup*. * to C:\X10Manager_SAVE\X10DbBackup
- 7) Copy C:\X10Manager\Examples*. * to C:\X10Manager_SAVE\Examples

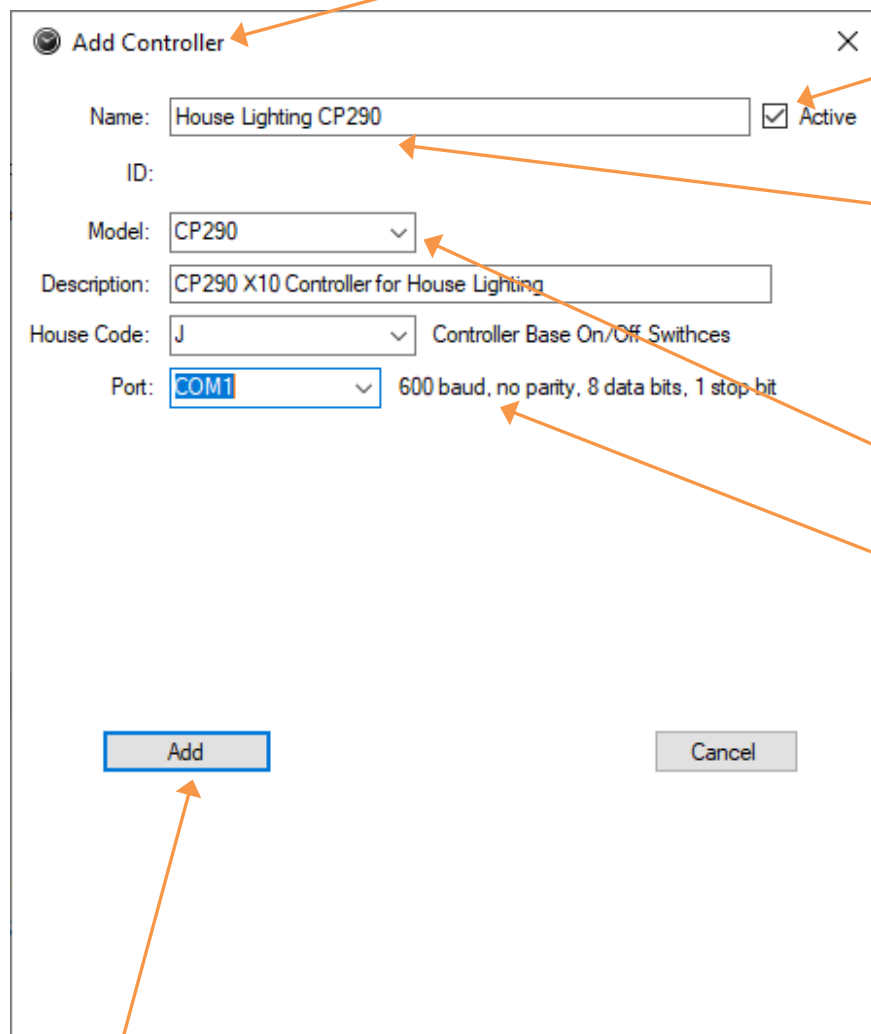
After a Repair or Remove Installation is performed, contents of the X10 database and your additional or customized command scripts can be restored ONLY if the above preserve steps were taken BEFORE the Repair or Remove Installation was performed.

- 1) Copy C:\X10Manager_SAVE\X10DbBackup*. * to C:\X10Manager\X10DbBackup
- 2) Perform a X10 database restore by double-clicking on C:\X10Manager\X10Manager_restoreX10Db.cmd
- 3) Copy ONLY scripts and files you have added or customized:
 - a. C:\X10Manager_SAVE*.cmd command scripts only to C:\X10Manager
 - b. C:\X10Manager_SAVE\Examples*. * to C:\X10Manager\Examples

Controllers

Add CP290 X10 Home Control Interface

“Controller” – “Add” will display the “Add Controller” form.



The screenshot shows the 'Add Controller' dialog box with the following fields and annotations:

- Name:** House Lighting CP290 (An arrow points to this field with the text: "Controller 'Name' is required.")
- ID:** (Empty field)
- Model:** CP290 (An arrow points to this dropdown with the text: "Select 'CP290' for Controller 'Model'".)
- Description:** CP290 X10 Controller for House Lighting (An arrow points to this field with the text: "After Controller 'Model' is selected, the remaining settings for the Controller will be displayed.")
- House Code:** J (Dropdown menu)
- Controller Base On/Off Switches:** (Text label)
- Port:** COM1 (Dropdown menu)
- 600 baud, no parity, 8 data bits, 1 stop bit:** (Text label)
- Active:** ☒ (An arrow points to this checkbox with the text: "Checking 'Active' allows 'Download Events to Controller'".)
- Buttons:** Add and Cancel

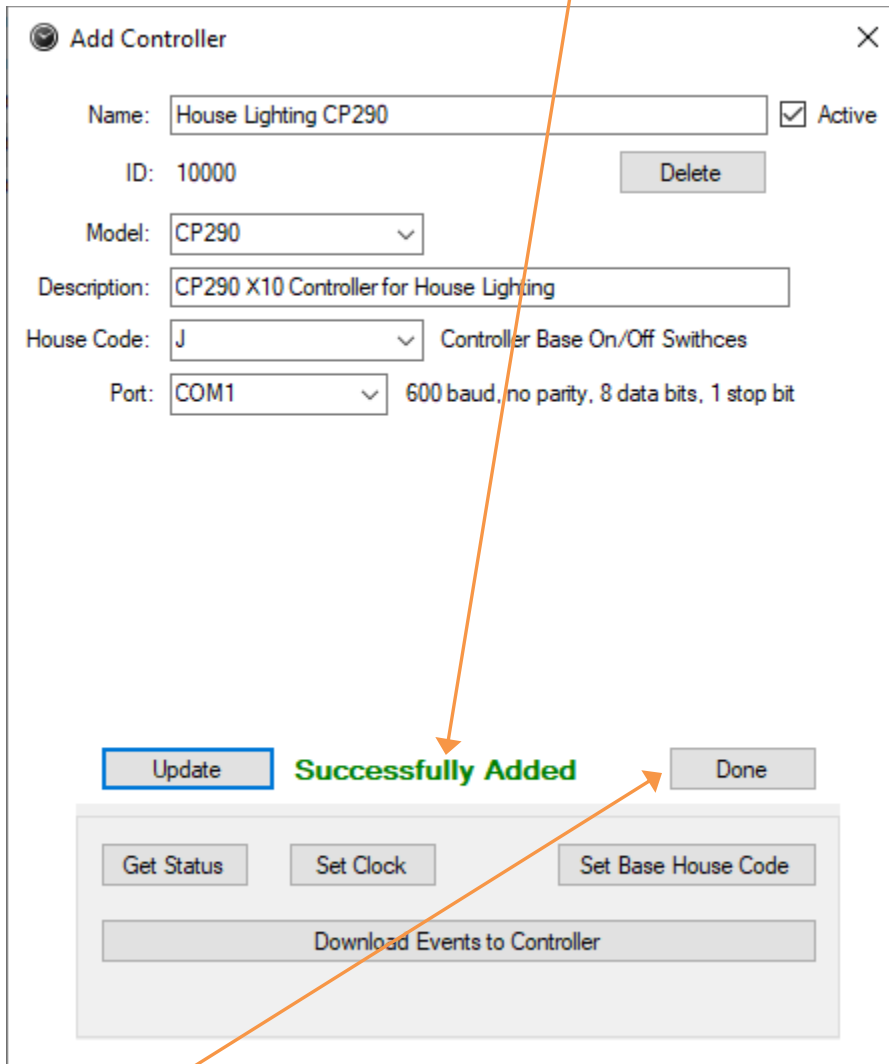
Click “Add” to finish adding Controller

Next page shows a “Successfully Added” result.

Controllers – continued

Add CP290 X10 Home Control Interface – continued

“Successfully Added” will be displayed in the status box.



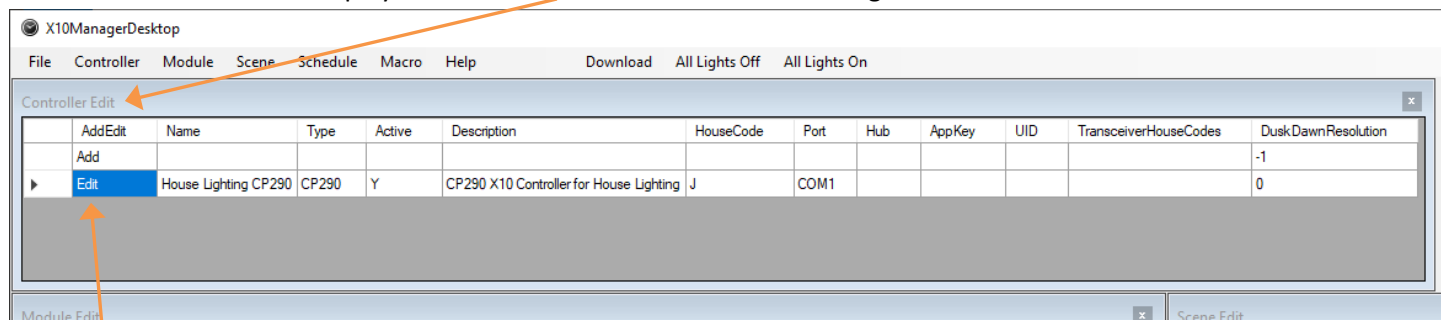
The screenshot shows the 'Add Controller' dialog box. The 'Name' field is 'House Lighting CP290', 'ID' is '10000', 'Model' is 'CP290', 'Description' is 'CP290 X10 Controller for House Lighting', 'House Code' is 'J', and 'Port' is 'COM1'. The 'Active' checkbox is checked. A 'Delete' button is next to the ID field. Below the form, the 'Update' button is highlighted with a blue border. The status box displays 'Successfully Added' in green text. Below the status box are buttons for 'Get Status', 'Set Clock', 'Set Base House Code', and a 'Download Events to Controller' button. An orange arrow points from the text '“Successfully Added” will be displayed in the status box.' to the 'Successfully Added' text. Another orange arrow points from the 'Done' button to the text 'Click “Done” to close “Add Controller” form.'

Click “Done” to close “Add Controller” form.

Controllers – continued

Edit CP290 X10 Home Control Interface

“Controller” – “Edit” will display the “Controller Edit” window containing a list of all added **Controllers**.



Click “**Edit**” on the row of the CP290 Controller to be edited.

The “**Update Controller**” form will be displayed

Update Controller

Name: ☒ Active

ID: 10000

Model:

Description:

House Code: Controller Base On/Off Switches

Port: 600 baud, no parity, 8 data bits, 1 stop bit

Controller Operations Panel

Checking “**Active**” allows “**Download Events to Controller**”.

Items not ghosted can be modified.

Click “**Update**” to save changes.

Click “**Done**” when finished.

Controller Operations Panel

Click on an Operation button to perform operation directly to the **Controller**.

For Example, click on “**Set Clock**” to set the Controller’s time.

Add CM15A X10 ActiveHome Pro

Add Controller

Name: ☒ Active

ID:

Model:

Description:

House Code: Monitored House Code

Port: X10 USB ActiveHome (ACPI-compliant)

Transceiver House Codes

<input type="checkbox"/> A	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> G	<input type="checkbox"/> I	<input type="checkbox"/> K	<input type="checkbox"/> M	<input type="checkbox"/> O
<input type="checkbox"/> B	<input type="checkbox"/> D	<input type="checkbox"/> F	<input type="checkbox"/> H	<input checked="" type="checkbox"/> J	<input type="checkbox"/> L	<input type="checkbox"/> N	<input type="checkbox"/> P

Dusk/Dawn Resolution:

Checking “**Active**” allows “**Download Events to Controller**”.

Controller “**Name**” is required.

The “**Name**” can be freely formatted. For this “**Add**” example, the **Controller** is given “House Lighting CM15A” as a name.

Select “**CM15A**” for **Controller “Model”**.

After **Controller “Model”** is selected, the remaining settings for the **Controller** will be displayed.

“**Port**” – “port.hub”

CM15A Controller must 1st be connected to computers USB port and powered.

If installing multiple CM15A Controllers, the “**Port**” – “port.hub” designation will be unique for each CM15A Controller.

The CM15A Controller must be directly connected to a computer’s USB port.

Connecting through an external USB expansion hub is not supported.

Click “**Add**” to finish adding **Controller**

Next page shows a “Successfully Added” result.

Controllers – continued

Add CM15A X10 ActiveHome Pro– continued

“Successfully Added” will be displayed in the status box.

Add Controller [X]

Name: ☒ Active

ID: 10000

Model:

Description:

House Code: Monitored House Code

Port: X10 USB ActiveHome (ACPI-compliant)

Transceiver House Codes

<input type="checkbox"/> A	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> G	<input type="checkbox"/> I	<input type="checkbox"/> K	<input type="checkbox"/> M	<input type="checkbox"/> O
<input type="checkbox"/> B	<input type="checkbox"/> D	<input type="checkbox"/> F	<input type="checkbox"/> H	<input checked="" type="checkbox"/> J	<input type="checkbox"/> L	<input type="checkbox"/> N	<input type="checkbox"/> P

Dusk/Dawn Resolution:

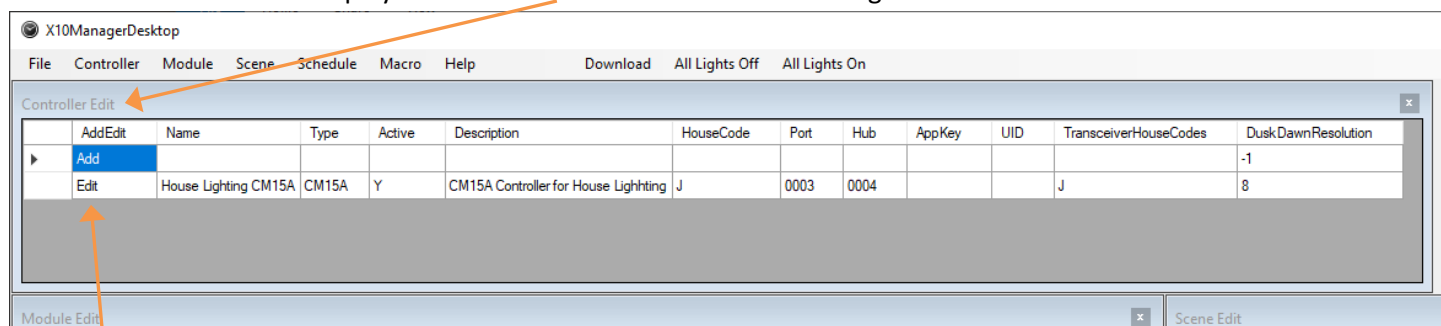
Successfully Added

Click “Done” to close “Add Controller” form.

Controllers – continued

Edit CM15A X10 ActiveHome Pro

“Controller” – “Edit” will display the “Controller Edit” window containing a list of all added **Controllers**.



Click “Edit” on the row of the CM15A Controller to be edited.

The “Update Controller” form will be displayed

Update Controller

Name: ☒ Active

ID: 10000

Model:

Description:

House Code: Monitored House Code

Port: X10 USB ActiveHome (ACPI-compliant)

Dusk/Dawn Resolution:

Transceiver House Codes

☐ A ☐ C ☐ E ☐ G ☐ I ☐ K ☐ M ☐ O

☐ B ☐ D ☐ F ☐ H ☒ J ☐ L ☐ N ☐ P

"Set Clock" also sets Monitored and Transceiver House Codes

Checking “Active” allows “Download Events to Controller”.

Items not ghosted can be modified.

Click “Update” to save changes.

Click “Done” when finished.

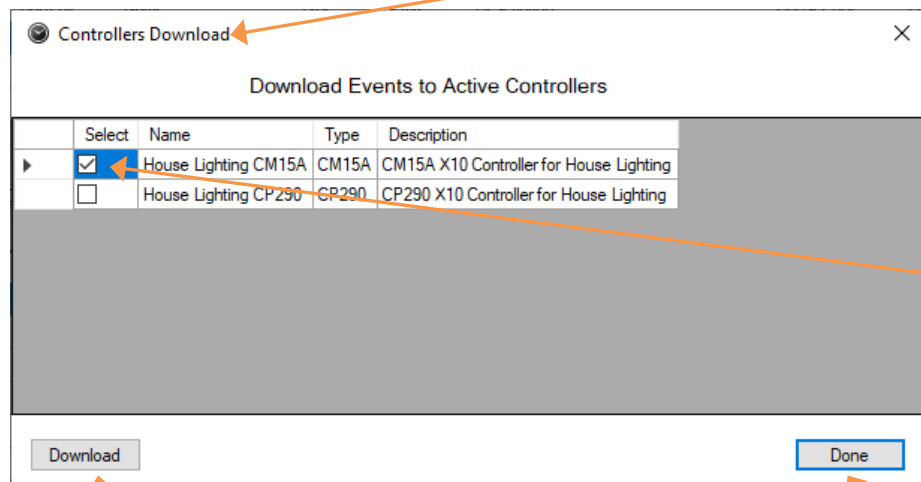
Controller Operations Panel

Click on an Operation button to perform operation directly to the **Controller**.

For Example, click on “Set Clock” to set the **Controller’s** time.

Download Events to Controller

“Controller” – “Download” will display the “**Controllers Download**” window containing a list of all added **Controllers**.



Events will be downloaded to Selected **Controllers**.

Active **Controllers** will be pre-selected.

Note: Changing a selection here will not permanently change the **Controller** “**Active**” setting.

Click “**Done**” when finished.

Click “**Download**” when ready to download **Events** to **Controllers**.

Notes:

- 8) “**Download**” on the main program Window will also display this “**Controllers Download**” window.
- 9) When editing a **Controller**, “**Download Events to Controller**” button will download to that **Controller**.
- 10) Refer to **X10Manager** (command line) section regarding setup of scheduled download **Events** to active **Controllers**.

Modules

Add X10 Module

“Module” – “Add” will display the “Add Module” form.

The screenshot shows the 'Add Module' dialog box. It contains the following fields and controls:

- Name:** A text input field containing 'HalFloor'. An arrow points to this field with the text: "Module 'Name' is required."
- Enabled:** A checked checkbox. An arrow points to it with the text: "Checking 'Enabled' allows the Module to be active in Scenes. When not checked, the Module with its state is still present in the Scene, just not active in the Scene."
- ID:** An empty text input field. An arrow points to it with the text: "The 'Name' can be freely formatted. For this 'Add' example, the Module is given 'HalFloor' as a name."
- Description:** A text input field containing 'Hallway Floor/Wall Light'.
- Controller:** A dropdown menu showing 'House Lighting CM15A [CM15A]'. An arrow points to it with the text: "Select a Controller that will control the Module."
- Controller Active:** A label 'Yes'.
- House Code:** A dropdown menu showing 'J'.
- Module Code:** A dropdown menu showing '9'.
- Dimmer:** An unchecked checkbox.
- Control Lights:** A checked checkbox.
- Extended Commands:** An unchecked checkbox.
- Buttons:** 'Add' and 'Cancel' buttons at the bottom. An arrow points to the 'Add' button with the text: "Click 'Add' to finish adding Module".

Click “Add” to finish adding Module

Next page shows a “Successfully Added” result.

Modules – continued

Add X10 Module– continued

“Successfully Added” will be displayed in the status box.

Add Module [X]

Name: ☒ Enabled

ID:

Description:

Controller:

Controller Active: Yes

House Code: ✓

Module Code: ✓

Dimmer: ☐

Control Lights: ☒

Extended Commands: ☐

Successfully Added

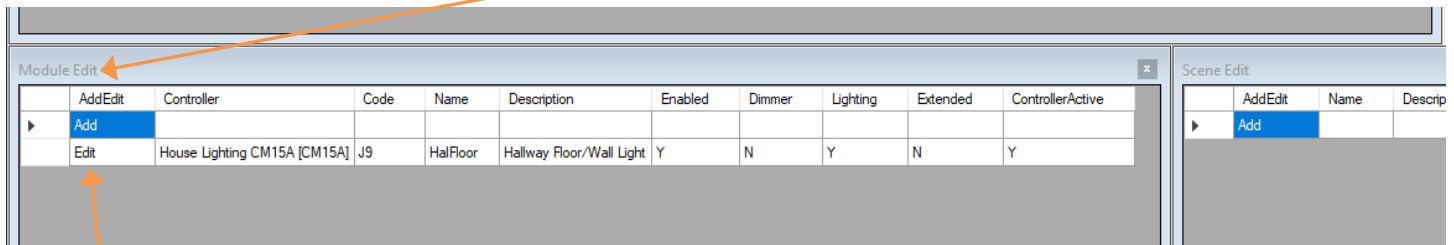
On/Off:

Click **Done** to close **Add Module** form.

Modules – continued

Edit X10 Module

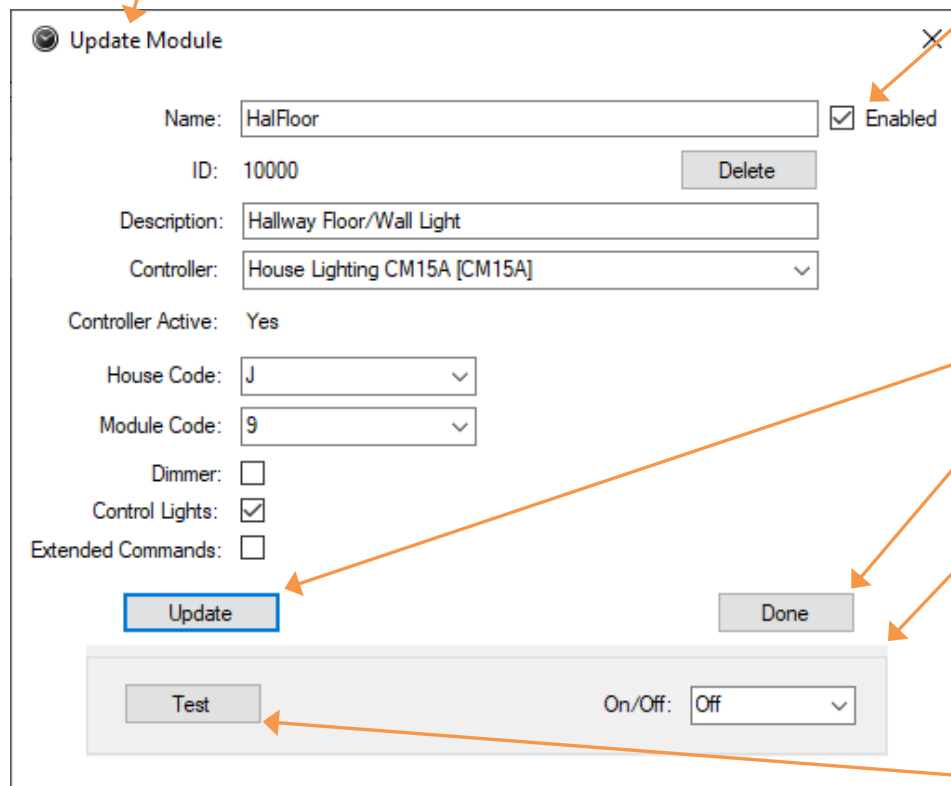
“**Module**” – “**Edit**” will display the “**Module Edit**” window containing a list of all added **Modules**.



	AddEdit	Controller	Code	Name	Description	Enabled	Dimmer	Lighting	Extended	ControllerActive
▶	Add									
	Edit	House Lighting CM15A [CM15A]	J9	HalFloor	Hallway Floor/Wall Light	Y	N	Y	N	Y

Click “**Edit**” on the row of the **Module** to be edited.

The “**Update Module**” form will be displayed



Update Module

Name: ☒ Enabled

ID:

Description:

Controller:

Controller Active: Yes

House Code:

Module Code:

Dimmer: ☐

Control Lights: ☒

Extended Commands: ☐

On/Off:

Checking “**Enabled**” allows the **Module** to be active in **Scenes**. When not checked, the **Module** with its state is still present in the **Scene**, just not active in the **Scene**.

Items not ghosted can be modified.

Click “**Update**” to save changes.

Click “**Done**” when finished.

Module Operations Panel

Click on an Operation button to perform operation directly to the **Module** via its defined **Controller**.

For Example, click on “**Test**” to turn the **Module** “Off”.

Scenes

Add Scene

“Scene” – “Add” will display the “Add Scene” form.

Add Scene

Name: Doors On

ID:

Description: Turn On Outside Door Lights

House Code: J

Current house code only: ☒

Modules In Scene

	Code	Controller	Name	On/Off	Description
	J1	House Lighting CM15A [CM15A]	OutGar	On	Outside Garage Lights
	J2	House Lighting CM15A [CM15A]	FPorch	On	Front Porch Lights
▶	J3	House Lighting CM15A [CM15A]	BDoor	On	Back Door Lights
	J9	House Lighting CM15A [CM15A]	HalFloor		Hallway Floor/Wall Light
	J16	House Lighting CM15A [CM15A]	Den Test Dimmer Module		Dimmer LED Light in Dimmer Module

<

>

Set All Off

Set All On

Clear All

Add

Cancel

Scene “Name” is required.

The “Name” can be freely formatted. For this “Add” example, the Scene is given “Doors On” as a name.

Use “House Code” dropdown to Select House Code with active Modules used in this Scene.

If There are Modules in multiple House Codes, they can be added later using “Scene” – “Edit”.

Use “On/Off” dropdown to select which Modules and their state for this Scene.

Scene “On/Off” speed buttons.

Click “Add” to finish adding Scene

Next page shows a “Successfully Added” result.

Scenes – continued

Add Scene– continued

“Successfully Added” will be displayed in the status box.

Add Scene [X]

Name:

ID:

Description:

House Code: ☐ Current house code only: ☒

Modules In Scene

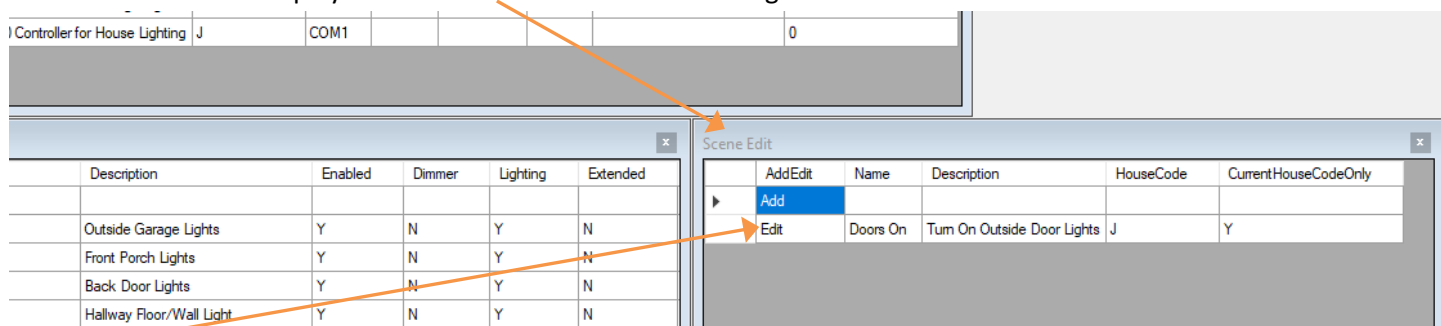
	Code	Controller	Name	On/Off	Description
▶	J1	House Lighting CM15A [CM15A]	OutGar	On ▼	Outside Garage Lights
	J2	House Lighting CM15A [CM15A]	FPorch	On ▼	Front Porch Lights
	J3	House Lighting CM15A [CM15A]	BDDoor	On ▼	Back Door Lights
	J9	House Lighting CM15A [CM15A]	HalFloor	▼	Hallway Floor/Wall Light
	J16	House Lighting CM15A [CM15A]	Den Test Dimmer Module	▼	Dimmer LED Light in Dimmer Module

Successfully Added

Click “Done” to close “Add Scene” form.

Edit Scene

“Scene” – “Edit” will display the “Scene Edit” window containing a list of all added Scenes.



Click “Edit” on the row of the **Scene** to be edited.

The “Update Scene” form will be displayed

Update Scene

Name:

ID:

Description:

House Code: Current house code only: ☒

Modules In Scene

Code	Controller	Name	On/Off	Description
J1	House Lighting CM15A [CM15A]	OutGar	On	Outside Garage Lights
J2	House Lighting CM15A [CM15A]	FPorch	On	Front Porch Lights
J3	House Lighting CM15A [CM15A]	BDoor	On	Back Door Lights
J9	House Lighting CM15A [CM15A]	HalFloor		Hallway Floor/Wall Light
J16	House Lighting CM15A [CM15A]	Den Test Dimmer Module		Dimmer LED Light in Dimmer Module

Items not ghosted can be modified.

Click “Update” to save changes.

Click “Done” when finished.

Scene Operations Panel

Click on “Test Modules In Scene” to set each **Module** in the **Scene** to their specified “On/Off” state.

Schedules

Add Schedule

“Schedule” – “Add” will display the “Add Schedule” form.

Add Schedule

Name: House Lighting

ID:

Description: House Lighting with Events

Sunrise Time:

Sunset Time:

Add sets Sunrise/Sunset times (also reset by Controller downloads).

Events - New Schedule must first be added.

AddEdit	EventID	Scene	Days	Time	Security	Enabled
---------	---------	-------	------	------	----------	---------

Add

Cancel

Schedule “Name” is required.

The “Name” can be freely formatted. For this “Add” example, the **Schedule** is given “House Lighting” as a name.

Events can be added after new **Schedule** is added.

Click “Add” to finish adding **Schedule**

Next page shows a “Successfully Added” result.

Schedules – continued

Add Schedule– continued

Add Schedule

Name: ☒ Active

ID:

Description:

Sunrise Time: Add sets Sunrise/Sunset times (also reset by Controller downloads).

Sunset Time:

Events

AddEdit	EventID	Scene	Days	Time	Security	Enabled
Add	-1					

Successfully Added

Checking “**Active**” allows **Schedule’s Events** to be included with **Controller** downloads.

Events can now be added.

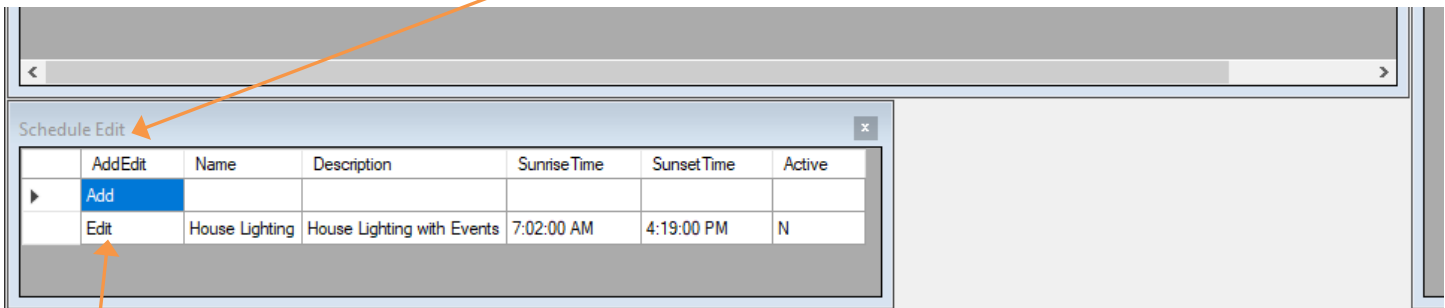
Add Event section will show how an **Event** can be added.

“Successfully Added” will be displayed in the status box.

Click “**Done**” to close “**Add Schedule**” form.

Edit Schedule

“Schedule” – “Edit” will display the “Schedule Edit” window containing a list of all added Schedules.



Click “Edit” on the row of the **Schedule** to be edited.

The “Update Schedule” form will be displayed

Update Schedule

Name: ☒ Active

ID: 10000

Description:

Sunrise Time: 7:02:00 AM
Sunset Time: 4:19:00 PM
Update resets Sunrise/Sunset times (also reset by Controller downloads).

Events

	AddEdit	EventID	Scene	Days	Time	Security	Enabled
▶	Add	1					
	Edit	10000	Doors On	Every Day	Sunrise - 30 minutes	N	Y

Checking “**Active**” allows **Schedule’s Events** to be included with **Controller** downloads.

Items not ghosted can be modified.

Events can be added or edited.

Add Event section will show how an **Event** can be added.

Edit Event section will show how an **Event** can be edited.

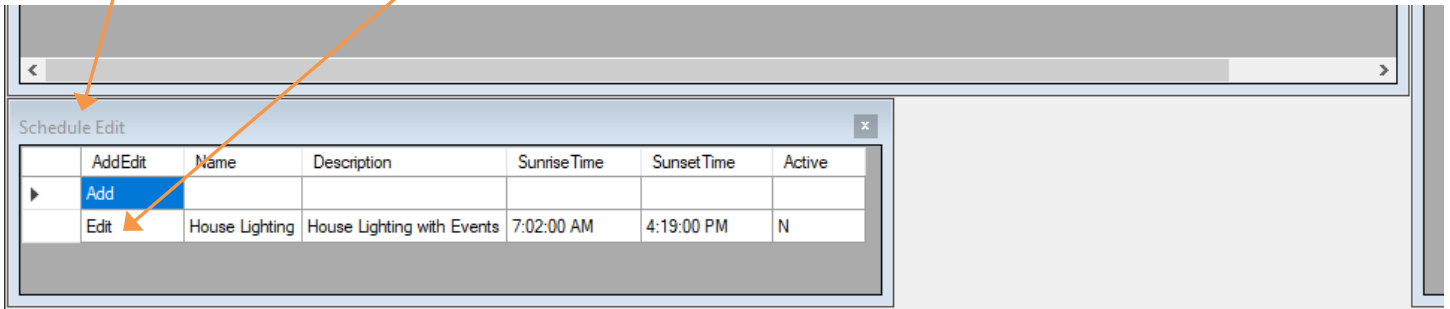
Click “**Done**” when finished.

Click “**Update**” to save changes.

Events

Add Event

In “Schedule Edit” window, click “Edit” on the row of the **Schedule** that will contain the **Event** to be added.



The “Update Schedule” form containing the selected **Schedule** will be displayed

The screenshot shows a window titled "Update Schedule" with a form containing the following fields:

- Name: House Lighting
- ID: 10000
- Description: House Lighting with Events
- Sunrise Time: 7:02:00 AM
- Sunset Time: 4:19:00 PM

Below the form is a table with columns: AddEdit, EventID, Scene, Days, Time, Security, Enabled. The first row has an "Add" button highlighted in blue, and an arrow points to it from the text "Click 'Add' to add an Event." The table data is as follows:

AddEdit	EventID	Scene	Days	Time	Security	Enabled
Add	1					

Click “Add” to add an Event.

Next page shows “Add Event” form.

Events – continued

Add Event– continued

“Add Event” form.

The screenshot shows the 'Add Event' dialog box with the following fields and options:

- EventID:** (empty text field)
- Schedule:** House Lighting (text field)
- Scene:** Doors On (dropdown menu)
- Event Enabled:** ☒
- Start Date:** Wednesday, January 1, 2020 (calendar icon)
- Stop Date:** Thursday, December 31, 2020 (calendar icon)
- Time:**
 - ☐ Specific Time: 03:58 PM (spinner) hh:mm AM/PM
 - ☒ After Sunrise By: -30 minutes (input field)
 - ☐ After Sunset By: (input field) minutes
- ☐ Security Variations
- Day(s):**
 - ☐ Today
 - ☐ Tomorrow
 - ☐ Weekends
 - ☐ Weekdays
 - ☒ Every Day
 - ☐ Selected Day(s)
- ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat ☒ Sun
- Add** (button)
- Cancel** (button)

Schedule that owns Event.

Select from existing Scenes.

When **Events** are downloaded to **Controllers**, the “**Start Date**” and “**End Date**” year is updated to the current year.

Controllers such as the CM15A internally support “**Start Date**” and “**Stop Date**” as part of their Timer Initiators.

Controllers such as the CP290 need to have their **Events** regularly re-downloaded to have the Event “**Start Date**” and “**Stop Date**” implemented.

Refer to **X10Manager** (command line) section regarding setup of scheduled download **Events** to active **Controllers**.

“**After Sunrise**” and “**After Sunset**” minutes can be positive (+) or negative (-).

CM15A **Controller** maximum +-60 minutes.
CP290 **Controller** maximum +-120 minutes.

Click “**Add**” when ready to Add new Event.

Next page shows a “Successfully Added” result.

Events – continued

Add Event– continued

Add Event

EventID: 10000 Delete

Schedule: House Lighting

Scene: Doors On

Event Enabled ☒

Start Date: Wednesday, January 1, 2020

Stop Date: Thursday, December 31, 2020

Time: ☐ Specific Time: 03:58 PM hh:mm AM/PM

☒ After Sunrise By: -30 minutes

☐ After Sunset By: minutes

☐ Security Variations

Day(s): ☐ Today

☐ Tomorrow

☐ Weekends

☐ Weekdays

☒ Every Day

☐ Selected Day(s)

☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat ☒ Sun

Update **Successfully Added** Done

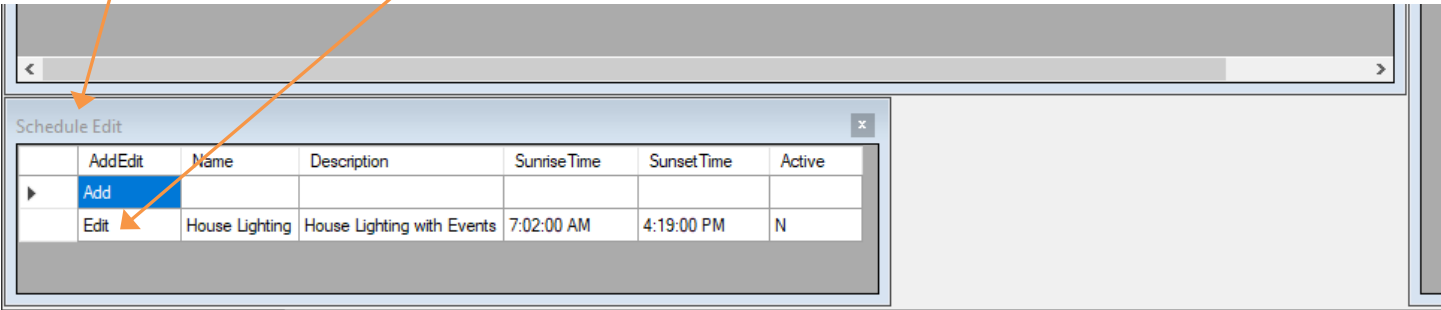
“Successfully Added” will be displayed in the status box.

Click “Done” to close “Add Event” form.

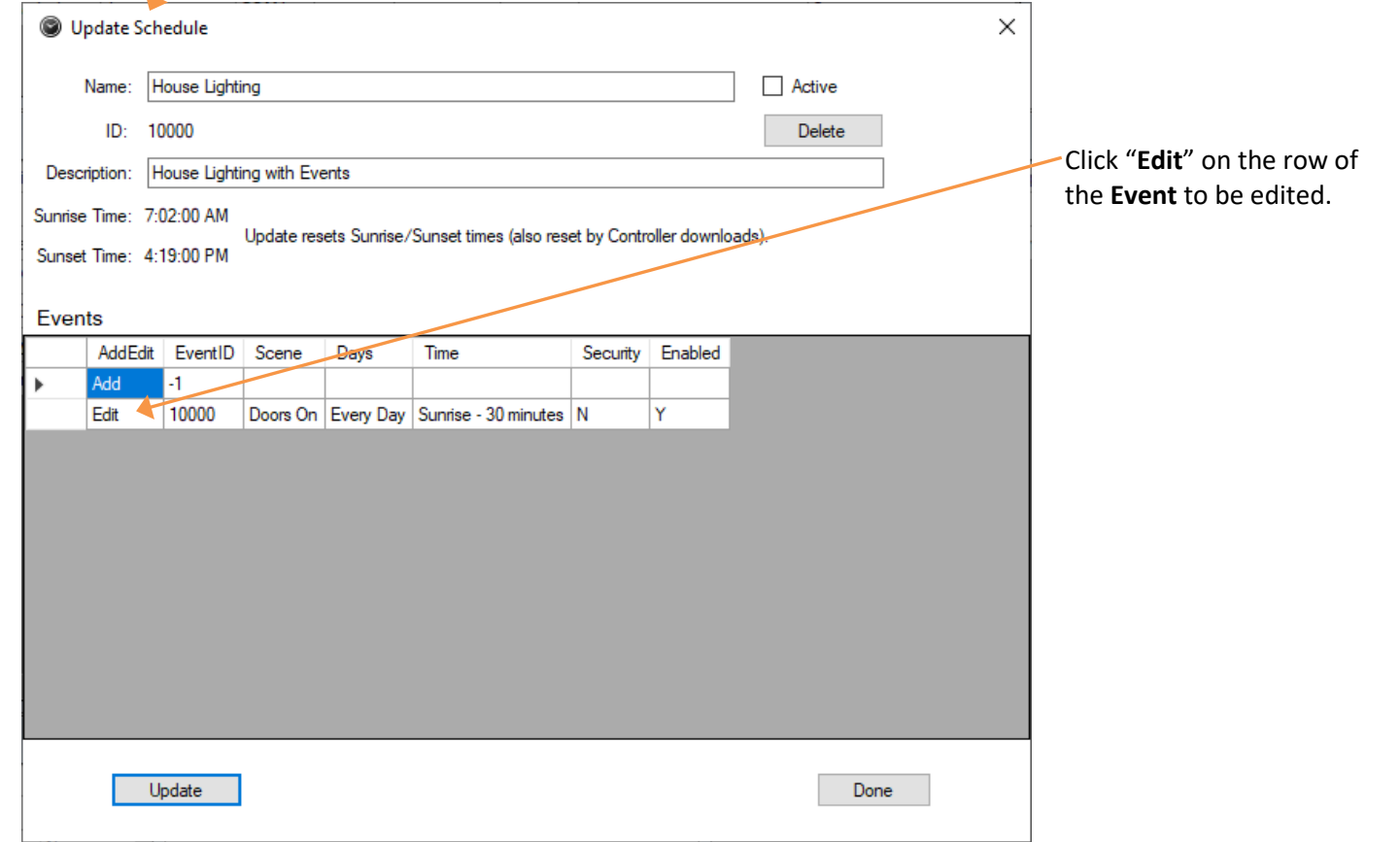
Events – continued

Edit Event

In “Schedule Edit” window, click “Edit” on the row of the **Schedule** that will contain the **Event** to be edited.



The “Update Schedule” form containing the selected **Schedule** will be displayed



Next page shows “Edit Event” form.

Events – continued

Edit Event– continued

“Update Event” form.

The screenshot shows the 'Update Event' dialog box. It contains the following fields and controls:

- EventID:** 10000
- Schedule:** House Lighting
- Scene:** Doors On (dropdown menu)
- Event Enabled:** ☒
- Start Date:** Wednesday, January 1, 2020
- Stop Date:** Thursday, December 31, 2020
- Time:**
 - ☐ Specific Time: 03:59 PM hh:mm AM/PM
 - ☒ After Sunrise By: -30 minutes
 - ☐ After Sunset By: minutes
- ☐ Security Variations
- Day(s):**
 - ☐ Today
 - ☐ Tomorrow
 - ☐ Weekends
 - ☐ Weekdays
 - ☒ Every Day
 - ☐ Selected Day(s)
- Days:** ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat ☒ Sun
- Buttons:** Update, Done, Delete

Schedule that owns Event.

Select from existing Scenes.

When **Events** are downloaded to **Controllers**, the “Start Date” and “End Date” year is updated to the current year.

Controllers such as the CM15A internally support “Start Date” and “Stop Date” as part of their Timer Initiators.

Controllers such as the CP290 need to have their **Events** regularly re-downloaded to have the Event “Start Date” and “Stop Date” implemented.

Refer to **X10Manager** (command line) section regarding setup of scheduled download **Events** to active **Controllers**.

“After Sunrise” and “After Sunset” minutes can be positive (+) or negative (-).

CM15A **Controller** maximum +-60 minutes.
CP290 **Controller** maximum +-120 minutes.

Click “Update” to save changes.

Click “Done” to close “Update Event” form

Macros

Add Macro

Future feature

Next page shows a “Successfully Added” result.

Macros – continued

Add Macro– continued

Future feature

Macros – continued

Edit Macro

Future feature

Blank Page for the moment!

Appendix

X10Manager (command line)

X10Manager can be used to perform command line operations on X10 Database, X10 Controllers and X10 Modules.

After successful installation of **X10ManagerDesktop**, **X10Manager** (command line) is typically located at "C:\X10Manager". **X10Manager** Command Line settings and examples are found in **X10Manager.exe** section.

The Access Database "X10Db.mdb" used by **X10ManagerDesktop** and **X10Manager** (command line) must be in the same folder with "X10Manager.exe" and its operating support files "X10Manager.exe.config, ParadoxReader.dll, X10Include.dll and X10IncludeCM.dll".

X10Manager (command line) **Command Scripts** can be executed directly.

-or-

X10Manager (command line) **Command Scripts** can be submitted to the "Windows Task Scheduler".

This will allow automation of back-end tasks such as:

- 1) Setting a Controllers time and day clock
C:\X10Manager\Examples\X10Manager_setX10Time_xxxxxxx.cmd
- 2) Get a Controllers operating status
C:\X10Manager\Examples\X10Manager_getControllerStatus_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_getX10DuskDawn_CM15A_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_getX10TransceiverSetup_CM15A_xxxxxxx.cmd
- 3) Change a Controllers settings or operating status
C:\X10Manager\Examples\X10Manager_updateX10ControllerToX10Db_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_putX10TransceiverSetup_CM15A_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_clearX10Memory_CM15A_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_downloadX10BaseHousecode_CP290_xxxxxxx.cmd
- 4) Download Event Timers and Macros to Controllers
C:\X10Manager\Examples\X10Manager_downloadEventsToActiveControllers.cmd
C:\X10Manager\Examples\X10Manager_putTimersAndMacrosToX10Memory_CM15A_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_getX10DbTimersPutX10_CP290_xxxxxxx.cmd
- 5) Directly execute Module Commands
C:\X10Manager\Examples\X10Manager_sendSceneUnitCommands.cmd
C:\X10Manager\Examples\X10Manager_sendUnitCommand_xxxxxxx.cmd
C:\X10Manager\Examples\X10Manager_sendUnitExtendedCommand_xxxxxxx.cmd

Above and additional **Command Script** (.cmd) examples can be found at "C:\X10Manager\Examples".

Note: Run-time **Command Scripts** (.cmd) must be placed in "C:\X10Manager".

Appendix – continued

X10Manager (command line) – continued

X10Manager.exe

/O:Operation

Operations common to all Controllers

[addX10ControllerToX10Db|backupX10Db|compileTimersFromX10DbEventsPlaceInX10Db|
createX10DbTables|downloadEventsToActiveControllers|exportModulesFromX10Db|
getControllerStatus|getX10MemoryPutToFile|getSerialPortsPutX10Db|getUSBPortsPutX10Db|
importModulesToX10Db|restoreX10Db|sendAllLightsOff|sendAllLightsOn|
sendAllUnitsOff|sendAllUnitsOn|sendSceneUnitCommands|sendUnitCommand|
setX10Time|updateX10ControllerToX10Db]

CM15A Controller specific Operations

[clearX10Memory|getX10DuskDawn|getX10MemoryVersionStamp|getX10TransceiverSetup|
putX10TransceiverSetup|putTimersAndMacrosToX10Memory|sendUnitExtendedCommand|
setX10TimeClearBatteryTimers|setX10TimeClearMonitoredStatus|setX10TimePurgeTimers]

CP290 Controller specific Operations

[compareX10TimersToX10Db|downloadX10BaseHousecode|getX10DbTimersPutX10]

/F:Filename

/N:X10ControllerName

/T:X10ControllerType [CP290|CM15A]

/D:X10ControllerDescription

/E:Enabled [Y/N]

/P:Port [COMn| for USB ex: "0003"]

/B:Hub [for USB ex: "0004"]

/C:SceneName

/H:HouseCode [A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P]

/M:ModuleCode [comma delimited List within double quotes of numbers 1-16. ex: "1,3,5,7,9,16" or just a code ex: "10"]

/1:Dimmer [Y]

/2:OnOff [Off|On|100|94|88|81|75|69|63|56|50|44|38|31|25|19|13|6]

/O:BrightenDim [B|D] (B=Brighten, D=Dim)

If BrightenDim not specified, Dimmer Module will pre-brighten then Dim. Note: CP290 is not supported

/1:Dimmer [N]

/2:OnOff [Off|On]

/3:StandardExtended [S|E] (S=Standard transmission, E=Extended transmission)

/4:ExtendedData [Extended transmission Data byte as string]

/5:ExtendedCommand [Extended transmission Command byte as string]

/6:MemoryAddrLow [byte as string]

/7:MemoryAddrHigh [byte as string]

/8:TransceiverHouseCodes

[comma delimited List within double quotes of House Codes. ex: "A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P"]

/9:DuskDawnResolution [dusk/dawn resolution in Days as number. Use multiples of 8. ex: For every 8 Days, enter "8"]

Appendix – continued

X10Manager (command line) – continued

Operations common to all Controllers

addX10ControllerToX10Db

Caution: There are no defaults. All values for each Controller Type MUST be specified as shown in the following examples.

```
X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /D:<10ControllerDescription> /E:<Active> /H:<HouseCode> /P:<USBPort>  
/B:<USBHub> /8:<TransceiverHouseCodes> /9:<DuskDawnResolution>
```

```
X10Manager.exe /O:"addX10ControllerToX10Db" /T:"CM15A" /N:"House Lighting CM15A" /D:"CM15A X10 Controller House Lighting" /E:"Y" /H:"K" /P:"0003"  
/B:"0004" /8:"J,K" /9:"8"
```

```
X10Manager.exe /O:"addX10ControllerToX10Db" /T:"CP290" /N:"House Lighting CP290" /D:"CP290 X10 Controller House Lighting" /E:"Y" /H:"K" /P:"COM3"
```

backupX10Db

Backups by default are placed in "C:\X10Manager\ X10DbBackup".

Use **X10ManagerDesktop**—“File”—“Settings” to change backup folder location.

```
X10Manager.exe /O:<Operation>
```

```
X10Manager.exe /O:"backupX10Db"
```

compileTimersFromX10DbEventsPlaceInX10Db

Timers are compiled from Active Schedules, Enabled Events, Enabled Modules, Active Controllers

```
X10Manager.exe /O:<Operation>
```

```
X10Manager.exe /O:"compileTimersFromX10DbEventsPlaceInX10Db"
```

createX10DbTables

Caution: This operation clears/resets X10 database.

All Controllers, Modules, Scenes, Schedules, Events and Macros will be removed.

```
X10Manager.exe /O:<Operation>
```

```
X10Manager.exe /O:"createX10DbTables"
```

downloadEventsToActiveControllers

Steps performed on Controllers marked "Active":

- 1) Set Controllers Time
- 2) Set new Sunrise and Sunset times
- 3) *compileTimersFromX10DbEventsPlaceInX10Db*
- 4) Reset CP290 Controller Base House Code
- 5) Download Event Timers to Controllers CP290 Timers and CM15A Timer / Macro Initiators
- 6) Compare Event Timers in X10 database to Controllers CP290 Timers and CM15A Timer / Macro Initiators

```
X10Manager.exe /O:<Operation>
```

```
X10Manager.exe /O:"downloadEventsToActiveControllers"
```

exportModulesFromX10Db

```
X10Manager.exe /O:<Operation> /F:<Filename>
```

```
X10Manager.exe /O:"exportModulesFromX10Db" /F:"X10Db_Modules.csv"
```

Appendix – continued

X10Manager (command line) – continued

Operations common to all Controllers – continued

getControllerStatus

```
X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>
X10Manager.exe /O:"getControllerStatus" /T:"CM15A" /N:"House Lighting CM15A"
X10Manager.exe /O:"getControllerStatus" /T:"CP290" /N:"House Lighting CP290"
```

getX10MemoryPutToFile

```
X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /F:<Filename>
X10Manager.exe /O:"getX10MemoryPutToFile" /T:"CM15A" /N:"House Lighting CM15A" /F:"getX10MemoryPutToFile_CM15A_HouseLightingCM15A.txt"
X10Manager.exe /O:"getX10MemoryPutToFile" /T:"CP290" /N:"House Lighting CP290" /F:"getX10MemoryPutToFile_CP290_HouseLightingCM15A.txt"
```

getSerialPortsPutX10Db

```
X10Manager.exe /O:<Operation>
X10Manager.exe /O:"getSerialPortsPutX10Db"
```

getUSBPortsPutX10Db

All USB connected Controllers, such as the CM15A, must be connected and powered on.

```
X10Manager.exe /O:<Operation>
X10Manager.exe /O:"getUSBPortsPutX10Db"
```

importModulesToX10Db

CSV Import File Format:

Comma Delimited, each Cell with Double Quotes.
".csv" Extension for file name. Example: X10Db_Modules.csv

Header Row:

"ControllerName","UnitCode","UnitName","UnitDescription","UnitEnabledYN","UnitDimmerYN","UnitLightingYN","UnitExtendedCommandsYN"

Data Row Examples:

"House Lighting CP290","J1","OutGar","Outside Garage Lights","Y","N","Y","N"
"Test CP290","J16","Den Test Dimmer Module","Dimmer LED Test Light in Dimmer Module","Y","Y","Y","N"

```
X10Manager.exe /O:<Operation> /F:<Filename>
X10Manager.exe /O:"importModulesToX10Db" /F:"X10Db_Modules.csv"
```

restoreX10Db

Backups by default are placed in "C:\X10Manager\ X10DbBackup".

Use **X10ManagerDesktop–“File”–“Settings”** to change backup folder location.

```
X10Manager.exe /O:<Operation>
X10Manager.exe /O:"restoreX10Db"
```

Appendix – continued

X10Manager (command line) – continued

Operations common to all Controllers – continued

sendAllLightsOff

X10Manager.exe /O:<Operation>
X10Manager.exe /O:"sendAllLightsOff"

sendAllLightsOn

X10Manager.exe /O:<Operation>
X10Manager.exe /O:"sendAllLightsOn"

sendAllUnitsOff

X10Manager.exe /O:<Operation>
X10Manager.exe /O:"sendAllUnitsOff"

sendAllUnitsOn

X10Manager.exe /O:<Operation>
X10Manager.exe /O:"sendAllUnitsOn"

sendSceneUnitCommands

X10Manager.exe /O:<Operation> /C:<SceneName>
X10Manager.exe /O:"sendSceneUnitCommands" /C:"Hallway Floor Off"

sendUnitCommand

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /H:<HouseCode> /M:<ModuleCode> /0:<Brighten> /1:<Dimmer> /2:<OnOff> /3:<StandardExtended>
X10Manager.exe /O:"sendUnitCommand" /T:"CM15A" /N:"House Lighting CM15A" /H:"J" /M:"1,2,3,10" /1:"N" /2:"Off" /3:"S"
X10Manager.exe /O:"sendUnitCommand" /T:"CM15A" /N:"House Lighting CM15A" /H:"J" /M:"1,2,3,10" /1:"N" /2:"On" /3:"S"
X10Manager.exe /O:"sendUnitCommand" /T:"CM15A" /N:"House Lighting CM15A" /H:"K" /M:"6,7" /1:"Y" /2:"25" /3:"S"
X10Manager.exe /O:"sendUnitCommand" /T:"CM15A" /N:"House Lighting CM15A" /H:"K" /M:"6,7" /0:"Y" /1:"Y" /2:"50" /3:"S"
X10Manager.exe /O:"sendUnitCommand" /T:"CP290" /N:"House Lighting CP290" /H:"J" /M:"9" /1:"N" /2:"On" /3:"S"
X10Manager.exe /O:"sendUnitCommand" /T:"CP290" /N:"House Lighting CP290" /H:"J" /M:"16" /1:"Y" /2:"50" /3:"S"
X10Manager.exe /O:"sendUnitCommand" /T:"CP290" /N:"House Lighting CP290" /H:"J" /M:"16" /1:"Y" /2:"Off" /3:"S"

setX10Time

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>
X10Manager.exe /O:"setX10Time" /T:"CM15A" /N:"House Lighting CM15A"
X10Manager.exe /O:"setX10Time" /T:"CP290" /N:"House Lighting CP290"

updateX10ControllerToX10Db

Values for ControllerName and ControllerType cannot be changed using this command.

User **X10MangerDesktop** – “**Controller**” – “**Edit**” to change values for ControllerName and ControllerType

Caution: There are no defaults. All values for each Controller Type MUST be specified as shown in the following examples.

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /D:<10ControllerDescription> /E:<Active> /H:<HouseCode> /P:<USBPort> /B:<USBHub> /8:<TransceiverHouseCodes> /9:<DuskDawnResolution>
X10Manager.exe /O:"updateX10ControllerToX10Db" /T:"CM15A" /N:"House Lighting CM15A" /D:"CM15A X10 Controller House Lighting" /E:"Y" /H:"K" /P:"0003" /B:"0004" /8:"J,K" /9:"8"
X10Manager.exe /O:"updateX10ControllerToX10Db" /T:"CP290" /N:"House Lighting CP290" /D:"CP290 X10 Controller House Lighting" /E:"Y" /H:"K" /P:"COM3"

Appendix – continued

X10Manager (command line) – continued

CM15A Controller specific Operations

clearX10Memory

Caution: This operation will Clear all Timer and Macro Initiators from CM15A Controller.

A *downloadEventsToActiveControllers* or *putTimersAndMacrosToX10Memory* operation will need to be performed.

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /F:<Filename>

X10Manager.exe /O:"clearX10Memory" /T:"CM15A" /N:"House Lighting CM15A" /F:"clearX10Memory_CM15A_HouseLightingCM15A.txt"

getX10DuskDawn

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>

X10Manager.exe /O:"getX10DuskDawn" /T:"CM15A" /N:"House Lighting CM15A"

getX10MemoryVersionStamp

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>

X10Manager.exe /O:"getX10MemoryVersionStamp" /T:"CM15A" /N:"House Lighting CM15A"

getX10TransceiverSetup

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>

X10Manager.exe /O:"getX10TransceiverSetup" /T:"CM15A" /N:"House Lighting CM15A"

putX10TransceiverSetup

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>

X10Manager.exe /O:"putX10TransceiverSetup" /T:"CM15A" /N:"House Lighting CM15A"

putTimersAndMacrosToX10Memory

Steps performed on specified Controller with Enabled Events in all Active Schedules:

- 1) Set Controller Time
- 2) Set new Sunrise and Sunset times in X10 database
- 3) *compileTimersFromX10DbEventsPlaceInX10Db*
- 4) Download Event Timer / Macro Initiators to Controller Memory
- 5) Compare Event Timers in X10 database to Timer / Macro Initiators in Controller Memory

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /F:<Filename>

X10Manager.exe /O:"putTimersAndMacrosToX10Memory" /T:"CM15A" /N:"House Lighting CM15A"

/F:"putTimersAndMacrosToX10Memory_CM15A_HouseLightingCM15A.txt"

sendUnitExtendedCommand

X10Manager.exe /O:"sendUnitExtendedCommand" /T:<X10ControllerType> /N:<X10ControllerName> /H:<HouseCode> /M:<ModuleCode> /1:<Dimmer> /2:<OnOff> /3:<StandardExtended> /4:<ExtendedData> /5:<ExtendedCommand>

X10Manager.exe /O:"sendUnitExtendedCommand" /T:"CM15A" /N:"House Lighting CM15A" /H:"J" /M:"9" /1:"N" /2:"Off" /3:"E" /4:"0" /5:"15"

Appendix – continued

X10Manager (command line) – continued

CM15A Controller specific Operations – continued

setX10TimeClearBatteryTimers

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>
X10Manager.exe /O:"setX10TimeClearBatteryTimers" /T:"CM15A" /N:"House Lighting CM15A"

setX10TimeClearMonitoredStatus

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>
X10Manager.exe /O:"setX10TimeClearMonitoredStatus" /T:"CM15A" /N:"House Lighting CM15A"

setX10TimePurgeTimers

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>
X10Manager.exe /O:"setX10TimePurgeTimers" /T:"CM15A" /N:"House Lighting CM15A"

Appendix – continued

X10Manager (command line) – continued

CP290 Controller specific Operations

compareX10TimersToX10Db

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>

X10Manager.exe /O:"compareX10TimersToX10Db" /T:"CP290" /N:"House Lighting CP290"

downloadX10BaseHousecode

Caution: This operation will Clear all Timers from CP290 Controller.

A *downloadEventsToActiveControllers* -or- *getX10DbTimersPutX10* operation will need to be performed.

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName> /H:<HouseCode>

X10Manager.exe /O:"downloadX10BaseHousecode" /T:"CP290" /N:"House Lighting CP290" /H:"J"

getX10DbTimersPutX10

Steps performed on specified Controller with Enabled Events in all Active Schedules:

- 1) Set Controller Time
- 2) Set new Sunrise and Sunset times in X10 database
- 3) *compileTimersFromX10DbEventsPlaceInX10Db*
- 4) Reset Controller Base House Code
- 5) Download Event Timers to Controller
- 6) Compare Event Timers in X10 database to Timers in Controller

X10Manager.exe /O:<Operation> /T:<X10ControllerType> /N:<X10ControllerName>

X10Manager.exe /O:"getX10DbTimersPutX10" /T:"CP290" /N:"House Lighting CP290"

Appendix – continued

X10Manager (command line) – continued

Email Notifications

X10Manager (command line) can use a SMTP server to send Email Notifications when run-time errors occur.

To enable Email Notifications:

- 1) Using “Windows” - “Accessories” - “Notepad” open “C:\X10Manager\X10Manager.exe.config”
- 2) In the **<appSettings>** section, add an Email Address to **<add key="MailErrorsTo" value="">**

For example:

```
<add key="MailErrorsTo" value="trekkerphotoart@gmail.com" />
```

- 3) Modify the SMTP server host and logon credentials information in section
<system.net> - **<mailSettings>** - **<smtp deliveryMethod="network">**

defaultCredentials example:

```
<network host="127.0.0.1" port="25" defaultCredentials="true" />
```

username and password example:

```
<network host="127.0.0.1" port="25" userName="username" password="secret" defaultCredentials="false" />
```

- 4) Save the edited X10Manager.exe.config file
- 5) Exit the text editor

6) **Appendix** – continued

Credits

ParadoxReader.DLL (ParadoxReader) contains source code from "Code Project", "Paradox database native .NET reader" by Petr Bříza, March 17, 2011, v1.2.

Modifications have been added by Alan Wagner that allow ParadoxReader, as used in X10ManagerDesktop and X10Manager, to read X10 Lighthouse Scene BLOB data.

Original ParadoxReader source code is Licensed under: "[The Code Project Open License \(CPOL\) 1.02](#)"

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