ControLinc™ Maxi™

Tabletop Controller

For models:
#4071 ControLinc Maxi Tabletop Controller

SMARTHOMETM
MAKING LIFE MORE CONVENIENT, SAFE AND FUN
# ControLinc Maxi User’s Guide

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ABOUT CONTROLINC

Congratulations on purchasing the ControLinc™ Maxi Tabletop Controller. ControLinc allows you to control both your legacy X10 products and all scene compatible Smarthome Design products.
Key ControLinc Features

- Setup is easy – ControLinc installs in minutes
- Simple Guest-Friendly Soft-Touch On/Off Buttons
- Easily Access all 256 PLC Addresses
- Transmits Preset Dim Commands
- Programming Buttons for Smarthome Scene Compatible Products
- Flexible – User programmable buttons
- Multi House Code Programmable All Lights On/All Units Off Buttons
- Shows activity with Programmable status LED and Audible Sounder
- Stores setup state in memory, even while unplugged
- No Software, Special Programmer, or Intelligent Controller Required
- Multi-Angle Tabletop Stand Included
- Warranted for two years
HOW TO INSTALL CONTROLINC MAXI

Caution
Read and understand these instructions before installing, and retain them for future reference.

ControLinc is intended for installation in accordance with the National Electric Code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. Use indoors only. ControLinc is not designed nor approved for use on power lines other than 120V 60Hz, single phase. Attempting to use ControLinc on non-approved powerlines may have hazardous consequences.

ControLinc Installation Tips

- Don’t plug ControLinc Maxi into an outlet controlled by a switch, because if the switch is inadvertently turned off, ControLinc Maxi won’t have power.
- Don’t plug ControLinc Maxi into a filtered power strip or AC line filter.

Installing ControLinc Maxi

1. Plug ControLinc Maxi into an unswitched wall receptacle. The Status LED will illuminate steadily.
2. Begin using the ControLinc Maxi and/or programming User Defined Buttons.
BASIC OPERATION

Sending PLC Commands
When the cover is opened, buttons are provided for easy access to all 256 combinations of PLC House and Unit codes. To control a receiver, follow these steps:

1. Press the House Code letter (Buttons A through P).
2. Press the Unit Code number (Buttons 1 through 16).
3. Press a command Button (On, Off, Dim, Bright, or Dim% and any blue Preset button).

Using Preset Dim Feature
Smarthome brand dimming-enabled products like SwitchLinc™, LampLinc™, KeypadLinc™, and ToggleLinc™ are able to respond to PRESET dim commands. This command allows the user to precisely set the modules brightness to one of 32 levels. To send a Preset Dim Commands, follow these steps:

1. Open the cover.
2. Press the House Code letter (Buttons A through P).
3. Press the Unit Code numbers (Buttons 1 through 16).
4. Press the blue Preset Dim button (“Dim%”) Once.
5. Press any any button with a blue label, which represents a preset level (example; Button K would send a preset level of 32%).
USING PRE PROGRAMMED BUTTONS

The ControLinc Maxi includes four pre-programmed buttons that enable easy programming of scene-enabled Smarthome products. These buttons will send the unique “M-N-O-P” codes (i.e. “Clear Sequence”) necessary to setup scenes. For more information on how to use scenes, see the “Scene Address Programming” section in the manual’s for the products listed below.

The Following Smarthome X10/PLC products support scenes:

- SwitchLinc 2-Way and Plus Dimmers
- SwitchLinc RX Plus Dimmers
- SwitchLinc 2-Way Switches
- SwitchLinc Relay 2-Way
- SwitchLinc Timer Relay
- ToggleLinc 2-Way and Plus Dimmers
- ToggleLinc 2-Way Switches
- KeypadLinc Wall Mounted Controllers with Integrated Dimmer
- LampLinc 2-Way and Plus Dimmers
- ApplianceLinc 2-Way

The Following Smarthome INSTEON enabled products support scenes:

- LampLinc V2 Dimmer
- ApplianceLinc V2
- SwitchLinc V2 Dimmer
- SwitchLinc V2 On/Off Switch
- KeypadLinc V2

Using the Pre Programmed Buttons to Setup Scenes:

To create or add devices to a scene, follow these steps:

1. Open the cover.
2. Press the START SCENE SETUP button – This will send out the “Clear Sequence” (O16, N16, M16, P16, M16).
3. Adjust the dimmer(s) to the desired On Level (Tip: Use the Preset Dim button to make setting up scenes a snap!).
4. Press the ADD TO SCENE Button – This will send the “Lock-In Sequence” (M16, N16, O16, P16).
5. Press the House Code letter (Buttons A through P).
6. Press the Unit Code number (Buttons 1 through 16).
7. Most Smarthome module will confirm successful programming by blinking their loads.
Using the Pre Programmed Buttons to Setup Scenes Fade Rates:
To modify fade rates for devices in a scene, follow these steps:
1. Open the cover.
2. Press the ADD TO SCENE Button – This will send out the “Clear Sequence” (O16, N16, M16, P16, M16).
3. Adjust the dimmer(s) to the desired Fade Rate (Tip: Use the Preset Dim button to make setting up scenes a snap!).
4. Press the SET SCENE RAMP RATE Button – This will send the “Lock-In Sequence” (N16, O16, P16, M16).
5. Press the House Code letter (Buttons A through P).
6. Press the Unit Code number (Buttons 1 through 16).
7. Most Smarthome module will confirm successful programming by blinking their loads.

Using the Pre Programmed Buttons to Delete Scenes:
To delete or remove devices from a scene, follow these steps:
1. Open the cover.
2. Press the ADD TO SCENE Button – This will send out the “Clear Sequence” (O16, N16, M16, P16, M16).
3. Active the devices to be removed from the scene (example; To activate device “A16," Press Buttons A, 16, ON)
4. Press the REMOVE FROM SCENE Button – This will send the “Lock-In Sequence” (O16, P16, M16, N16).
5. Press the House Code letter (Buttons A through P).
6. Press the Unit Code number (Buttons 1 through 16).
7. Most Smarthome module will confirm successful programming by blinking their loads.
ADVANCED CONTROLINC MAXI FEATURES

Overview of User Defined Buttons
The ControLinc Maxi has two distinct modes of operation; Cover Closed and Cover Open.

When the cover is closed, the unit has five user defined On/Off Button Pairs that allow the user to easily turn on or off five different devices (X10/PLC Addresses) or scenes (See Programming Addresses into a Button Pairs). As an advanced feature, the button pairs can be split, allowing individual buttons to be programmed independently (See Programming Individual Buttons).

Additionally the ControLinc Maxi offers user defined “All Lights On” and “All Units Off” buttons, which allow the user to send a specific series of House Codes (See Programming All User Lights On and Units Off Buttons below).

Programming All User Lights On and Units Off Buttons:
The two “All User” buttons allow the user to send All Lights On and All Units Off commands for a specific series of House Codes. For example, if house codes “A,” “B,” and “F” are programmed to the All User Buttons and the user presses the All User Lights On button; the ControLinc Maxi will send the following:

House Code A, All Lights On
House Code B, All Lights On
House Code F, All Lights On

To program the All User Lights On/Units Off Buttons, follow these steps:
1. Open the cover
2. Press and hold the “Program ControLinc” button for 3 seconds. The ControLinc Maxi sounder will activate and the Status LED will begin to blink.
3. Press the All User Lights On Button
4. Press the House Code letter (Buttons A through P) for each House Code
5. Press the Program ControLinc button. The Status LED will stop blinking and illuminate steady.
Programming Addresses into a Button Pairs

When the cover is closed, the five On/Off Button pairs can be programmed to control any of the 256 different X10/PLC addresses. The default addresses are House Code A and Unit Codes 1 through 5.

When using the Button Pairs to control an address, the top buttons are used to send On commands and, if held, bright commands. The bottom buttons are used to send Off commands and, if held, dim commands.

To program Addresses into a Button Pair, follow these steps:

1. With the cover closed, press and hold the Dim and On buttons for 3 seconds, until the sounder is heard. The Status LED will begin blinking.
2. Push the top button of the pair to be programmed.
3. Open the cover and press the House Code letter (Buttons A through P).
4. Press the Unit Code number (Buttons 1 through 16). The sounder will beep and the LED will stop blinking, illuminating steady.

NOTE: If step 4 is not completed within 30 seconds, the ControLinc Maxi will beep and exit programming mode.
Programming Individual Buttons

The 5 User Defined On/Off Button Pairs can be split and individually programmed to allow each of the 10 buttons to be programmed independently (not as pairs). This allows for easy control of up to 10 different addresses. The individual buttons can be programmed to control an address or to send a string of X10 commands. Additionally the “USER DEFINED” Button (available when the cover is open) can be programmed to send a string, or “sequence” of X10 commands giving the user 11 total programmable buttons.

To program an individual button, follow these steps:

1. Open the cover
2. Press and hold the Program ControLinc button for 3 seconds. The ControLinc Maxi sounder will activate and the Status LED will begin to blink.
3. Close the cover (or, if programming the User Sequence Button, press the User Sequence Button)
4. With the cover closed, press a user programmable button (any of the 10 On/Off Button Pairs)
5. Open the cover
6. Press a Unit Code Button (1 through 5) for the function to be programmed (see below):
   
   Functions:
   
   #1 – Toggle Mode for Appliances
   When the button is pressed once, an On Command will be sent for the address programmed. When pressed again, an Off command will be sent.
   
   #2 – Toggle Mode for Lamps
   Like Function 1; when the button is pressed once, an On Command will be sent for the address programmed. When pressed again, an Off command will be sent. Pressing and holding the button will send Bright or Dim commands until released.
   
   #3 – Non-Toggle for Appliances
   Always sends the same command (i.e. On or Off) for the programmed address
   
   #4 – Non-Toggle for Lamps
   Like Function #3; always sends the same command (i.e. On or Off) for the programmed address. Pressing and holding the button will send Bright commands (if the On command is programmed) or Dim commands (if the Off command is programmed).
   
   #5 – X10 String/Sequence
   Sends up to four X10 addresses and/or commands.

7. Enter the address and command:
   
   Functions 1 and 2  Press a House Code (Buttons A through P)
   Press a Unit Code (Buttons 1 through 16)
   
   Functions 3 and 4  Press a House Code (Buttons A through P)
   Press a Unit Code (Buttons 1 through 16)
   Press the On or Off Button
   
   Function 5  Enter up to four X10 Addresses (House Code and/or Unit Code) and/or commands (On, Off, Bright, Dim, All Lights On, All Units Off)

8. Press the Program ControLinc Button to complete programming. The sounder will beep and the LED will stop blinking, illuminating steady.
CONTROLINC MAXI FEATURES

Turning the Audible Sounder On and Off

The ControLinc Maxi offers the ability to enable or disable the audible sounder. The default setting for the sounder is enabled. The ControLinc Maxi will emit a short beep whenever a button is pressed. If the sounder is disabled, the ControLinc Maxi will only beep when in programming mode.

To enable or disable the audible sounder, follow these steps:

1. Open the cover
2. Press and hold the Program ControLinc button for 3 seconds. The ControLinc Maxi sounder will activate and the Status LED will begin to blink.
3. Press the START SCENE SETUP Button
4. Press the Unit Code 1 Button. The sounder will beep and the LED will stop blinking, illuminating steady.

NOTE: To re-enable the sounder (after disabling), repeats steps 1 through 4.

Turning the Status LED On and Off

The ControLinc Maxi offers the ability to enable or disable the Status LED. The default setting for the Status LED is enabled. The Status LED will blink any time it is receiving or transmitting X10/PLC signals. If the Status LED is disabled, it will only blink when in programming mode.

To enable or disable the Status LED, follow these steps:

1. Open the cover
2. Press and hold the Program ControLinc button for 3 seconds. The ControLinc Maxi sounder will activate (if the sounder is enabled) and the Status LED will begin to blink.
3. Press the START SCENE SETUP Button
4. Press the Unit Code 2 Button to turn the Status LED ON. The sounder will beep and the LED will stop blinking, illuminating steady.

or

5. Press the Unit Code 3 Button to turn the Status LED OFF. The sounder will beep and the LED will stop blinking, illuminating steady.
Turning Polite Mode On and Off

The ControLinc Maxi offers the ability to enable or disable Polite Mode. The default setting for the Status LED is enabled. Polite mode is an intelligent feature which, when enabled, will allow the ControLinc Maxi to wait until the line is clear of other X10/PLC traffic before transmitting. This helps avoid signal collisions with other controllers. If strong enough, the ControLinc Maxi may interpret electrical noise as traffic. When using the ControLinc Maxi in extremely “noisy” conditions (electrically noisy that is), it’s best to disable polite mode. If you’re not sure if you have a noisy electrical system, enable the Status LED (see above for details) and notice the LED. If it blinks continuously, it’s a good indication of strong electrical noise, and the Polite Feature should be disabled. Otherwise, leave this feature enabled.

To enable or disable the Polite Mode, follow these steps:

1. Open the cover
2. Press and hold the Program ControLinc button for 3 seconds. The ControLinc Maxi sounder will activate (if the sounder is enabled) and the Status LED will begin to blink.
3. Press the START SCENE SETUP Button
4. Press the Unit Code 4 Button to turn the Polite Mode ON. The sounder will beep and the LED will stop blinking, illuminating steady.
   or
5. Press the Unit Code 5 Button to turn the Polite Mode OFF. The sounder will beep and the LED will stop blinking, illuminating steady.

Factory Resetting the ControLinc Maxi

Performing a Factory Reset will erase all user programming. The ControLinc Maxi will reset to the original factory settings. To perform a factory reset on the ControLinc Maxi, follow these steps:

1. Open the cover
2. Press and hold the Program ControLinc button for 3 seconds. The ControLinc Maxi sounder will activate (if the sounder is enabled) and the Status LED will begin to blink.
3. Press the START SCENE SETUP Button
4. Press the Unit Code 16 Button to turn the Status LED ON. The sounder will beep and the LED will stop blinking, illuminating steady.

If the ControLinc Maxi is locked up, the following steps will also perform a factory reset:

1. Unplug the ControLinc Maxi for 10 seconds
2. Press and hold the BRIGHT Button
3. While continuing to hold the BRIGHT button, plug in the ControLinc Maxi
4. Continue holding the BRIGHT Button for 3 seconds, until the ControLinc Maxi beeps.
### Using ControLinc Maxi’s Buttons

The following table gives an overview, and the sections thereafter give the details, on how to use ControLinc Maxi’s buttons.

<table>
<thead>
<tr>
<th>Button</th>
<th>Applies To</th>
<th>Cover</th>
<th>Tap</th>
<th>Press and Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ON</strong></td>
<td>Programmed as Button Pairs</td>
<td>Closed</td>
<td>Ramp to On-Level</td>
<td>Brighten</td>
</tr>
<tr>
<td><strong>OFF</strong></td>
<td>Programmed as Button Pairs</td>
<td>Closed</td>
<td>Ramp to OFF</td>
<td>Dim</td>
</tr>
<tr>
<td><strong>ON</strong></td>
<td>All Addresses Controlled by All Button Pairs (or Top 5 addresses when split)</td>
<td>Closed</td>
<td>Ramp to On-Level</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>OFF</strong></td>
<td>All Addresses Controlled by All Button Pairs (or Top 5 addresses when split)</td>
<td>Closed</td>
<td>Ramp to OFF</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>BRIGHT</strong></td>
<td>Last Button Pushed</td>
<td>Open/Closed</td>
<td>Brighten a Little</td>
<td>Brighten Until Released</td>
</tr>
<tr>
<td><strong>DIM</strong></td>
<td>Last Button Pushed</td>
<td>Open/Closed</td>
<td>Dim a Little</td>
<td>Dim Until Released</td>
</tr>
<tr>
<td><strong>A - P</strong></td>
<td>House Code</td>
<td>Open</td>
<td>Transmits House Code</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>1 - 16</strong></td>
<td>Unit Code</td>
<td>Open</td>
<td>Transmits Unit Code</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>All Lights On</strong></td>
<td>Last House Code Used</td>
<td>Open</td>
<td>Turns All Lights On</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>All Units Off</strong></td>
<td>Last House Code Used</td>
<td>Open</td>
<td>Turns All Units Off</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>All User Lights On</strong></td>
<td>All User Programmed House Codes</td>
<td>Open</td>
<td>Turns All Lights On</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>All User Units Off</strong></td>
<td>All User Programmed House Codes</td>
<td>Open</td>
<td>Turns All Units Off</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>START SCENE SETUP</strong></td>
<td>Any Smarthome Scene Enabled Products</td>
<td>Open</td>
<td>Transmits “Clear Sequence”</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>ADD TO SCENE</strong></td>
<td>Any Smarthome Scene Enabled Products</td>
<td>Open</td>
<td>Transmits “Lock-In” Sequence for Scene Creation</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>DIM%</strong></td>
<td>Any Devices that respond to Preset Dim commands</td>
<td>Open</td>
<td>Activates (Blue) Preset Dim Buttons</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Using the ON and OFF Button Pairs

The ON and OFF Buttons have a dual purpose. If you tap them briefly, they turn X10 Devices linked to the address they control on or off. If you hold them down, the ON Button will brighten and the OFF Button will dim any dimming modules linked to them. Holding down will not affect any non-dimmable (switchable) modules. So, if you just want to turn things on or off, tap the appropriate button – don’t hold it down.

- To turn ON only those X10 Devices linked to an ON/OFF Button Pair, **tap the ON Button** of the Pair. ControLinc Maxi will beep and its Status LED will blink off twice. Dimmable modules will go to whatever On-Level they were set up for, at whatever Fade Rate they were set up for. Switchable modules will immediately go full on.

- To turn OFF only those X10 Devices linked to an ON/OFF Button Pair, **tap the OFF Button** of the Pair. ControLinc Maxi will beep and its Status LED will blink off twice. Dimmable modules will go full off at whatever Fade Rate they were set up for. Switchable modules will immediately go full off.

- To brighten only those dimmable X10 Devices linked to an ON/OFF Button Pair, **press and hold the ON Button** of the Pair. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will begin to brighten, unless they are already fully bright. Switchable modules will not be affected. When you let up, dimmable modules will stop going brighter and ControLinc Maxi’s Status LED will blink off again.

- To dim only those dimmable X10 Devices linked to an ON/OFF Button Pair, **press and hold the OFF Button** of the Pair. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will begin to dim, unless they are already fully off. Switchable modules will not be affected. When you let up, dimmable modules will stop going dimmer and ControLinc Maxi’s Status LED will blink off again.

Using the ON and OFF Buttons (Lower Left, with Cover Closed)

The ON and OFF Buttons will turn on or turn off **all X10 Devices** linked to the addresses programmed to all 5 of the On/Off Button Pairs. If the Button Pairs are split into individual buttons (See Programming Individual Buttons), only the addresses programmed to the top 5 buttons will be controlled by the On/Off Buttons.

- To turn ON **all** and X10 Devices linked to the addresses programmed to all 5 of the On/Off Button Pairs, **tap the ON Button**. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will go to whatever On-Level they were set up for, at whatever Fade Rate they were set up for. Switchable modules will immediately go full on.

- To turn OFF **all INSTEON and Devices** linked to the addresses programmed to all 5 of the On/Off Button Pairs, **tap the ALL OFF Button**. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will go full off at whatever Fade Rate they were set up for. Switchable modules will immediately go full off.

Using the BRIGHT and DIM Buttons

The BRIGHT and DIM Buttons will brighten or dim only those X10 Devices linked to the last ON/OFF Button Pair you used. Switchable modules will not be affected. Pressing and holding the BRIGHT and DIM Buttons will adjust the brightness continuously, while tapping the buttons will adjust the brightness one of 32 steps for each tap.

- To continuously brighten only those X10 Devices controlled by the last ON/OFF Button Pair you used, **press and hold the BRIGHT Button**. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will begin to brighten, unless they are already fully bright. Switchable modules will not be affected. When you let up, dimmable modules will stop going brighter and ControLinc Maxi’s Status LED will blink off again.

- To continuously dim only those X10 Devices controlled by the last ON/OFF Button Pair you used, **press and hold the DIM Button**. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules
will begin to dim, unless they are already fully off. Switchable modules will not be affected. When you let up, dimmable modules will stop going dimmer and ControLinc Maxi’s Status LED will blink off again.

- To brighten by one step only those X10 Devices controlled by the last ON/OFF Button Pair you used, **tap the BRIGHT Button**. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will brighten one of 32 steps, unless they are already fully bright. Switchable modules will not be affected.

- To dim by one step only those X10 Devices controlled by the last ON/OFF Button Pair you used, **tap the DIM Button**. ControLinc Maxi will beep and its Status LED will blink off once. Dimmable modules will dim one of 32 steps, unless they are already fully off. Switchable modules will not be affected.
MOUNTING OPTIONS FOR CONTROLINC MAXI

Tabletop Mounting
You can use ControLinc Maxi in a horizontal or a vertical position on the tabletop. To use in a vertical position, pull out the hinged stand on the bottom of the unit.

Changing the Button Labels
The smoked plastic cover over the button labels will pop off by lifting from the sides. You can print new labels using the templates available at http://www.smarthome.com/files/2430-4071_Label_Print.zip.
# TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Status LED on my ControLinc Maxi is not turning on at all.</td>
<td>ControLinc Maxi is not getting power.</td>
<td>Make sure ControLinc Maxi is not plugged into a switched outlet that is turned off.</td>
</tr>
<tr>
<td>My ControLinc Maxi is not controlling X10 devices.</td>
<td>ControLinc Maxi and your device(s) are on opposite powerline phases.</td>
<td>Make sure to have a coupler-repeater properly installed to bridge the two powerline phases.</td>
</tr>
<tr>
<td></td>
<td>ControLinc Maxi is plugged into a power strip.</td>
<td>Powerline signals can’t travel through power filters. Plugging ControLinc Maxi directly into a wall outlet works best.</td>
</tr>
<tr>
<td></td>
<td>Other modules are loading down the signal.</td>
<td>Other transmitting products can absorb the ControLinc Maxi’s signal. Moving it to another outlet or electrically away from other transmitters will help.</td>
</tr>
<tr>
<td>A device is not responding to ControLinc Maxi.</td>
<td>The signal may be too weak.</td>
<td>Add a BoosterLinc enabled device or move around existing BoosterLincs devices.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Try controlling your device with the ControLinc Maxi plugged into the same outlet.</td>
</tr>
<tr>
<td>ControLinc Maxi is locked up.</td>
<td>A surge or excessive noise on the powerline may have glitched it.</td>
<td>Unplug ControLinc Maxi for 10 seconds and reinstall.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If the above doesn’t work, perform a Factory Reset.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reset the entire ControLinc Maxi by performing a Factory Reset.</td>
</tr>
<tr>
<td>The Status LED on my ControLinc Maxi doesn’t work.</td>
<td>The Status LED may have been turned off.</td>
<td>Enable the Status LED.</td>
</tr>
<tr>
<td>The beeper on my ControLinc Maxi doesn’t work.</td>
<td>The beeper may have been turned off.</td>
<td>Enable the Sounder</td>
</tr>
<tr>
<td>All of my X10 Devices do not respond to ControLinc Maxi’s All Lights On or All Units Off Buttons.</td>
<td>The ALL ON and ALL OFF Buttons only control the last House Code.</td>
<td>Select the appropriate House Code before sending the All Lights On or All Units Off command</td>
</tr>
<tr>
<td>All of my INSTEON or X10 Devices do not respond to ControLinc Maxi’s BRIGHT or DIM Buttons.</td>
<td>The BRIGHT and DIM Buttons only control X10 devices controlled by the last ON/OFF Button Pair you pushed on ControLinc Maxi.</td>
<td>Push the ON or OFF Button for the Button Pair (X10 Address) you want to control, then use the BRIGHT and DIM Buttons.</td>
</tr>
<tr>
<td>ControLinc Maxi’s plug does not fit in my wall outlet.</td>
<td>The polarized prongs on the plug are not compatible with older AC outlets.</td>
<td>ControLinc Maxi’s plug is polarized so that it may only be inserted one way into a receptacle. If your home’s outlets are over 40 years old, replacing the outlet with a modern one will allow ControLinc Maxi and many other modern devices to be used safely. DO NOT defeat this safety feature.</td>
</tr>
</tbody>
</table>

If you have tried these solutions, reviewed this User’s Guide, and still cannot resolve an issue, please:

- Search our online knowledge base at [http://smarthome.custhelp.com](http://smarthome.custhelp.com).
- Call our Support Department at 800-SMARTHOME (800-762-7846).
- Email us at [tech@smarthome.com](mailto:tech@smarthome.com).
# SPECIFICATIONS

## ControLinc Maxi’s Specifications

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Smarthome Product Number</td>
<td>4071, ControLinc Maxi Tabletop Controller</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ON/OFF Button Pairs</td>
<td>5 Channels or 10 Buttons</td>
</tr>
<tr>
<td>ALL ON/ALL OFF Buttons</td>
<td>Control all X10 devices linked to Channels 1-5 (Or Top 5 Buttons)</td>
</tr>
<tr>
<td>BRIGHT/DIM Buttons</td>
<td>Control X10 devices linked to last pressed Channel</td>
</tr>
<tr>
<td>Audio Alert</td>
<td>Beeper, can be disabled</td>
</tr>
<tr>
<td>Status LED</td>
<td>Green, can be disabled</td>
</tr>
<tr>
<td>Button Modes</td>
<td>House Code (HC) Only, Unit Code (UC) Only, HC+UC, HC+UC+Command</td>
</tr>
<tr>
<td>Combo Mode Message Order</td>
<td>Toggle and Non-toggle, Address Only, Command Only, Address and Command</td>
</tr>
<tr>
<td>Setup Memory</td>
<td>Non-volatile EEPROM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>X10 Features</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>X10 Addresses</td>
<td>All of the 256 possible</td>
</tr>
<tr>
<td>X10 Status Response</td>
<td>Supported</td>
</tr>
<tr>
<td>X10 Powerline Frequency</td>
<td>121 kHz</td>
</tr>
<tr>
<td>X10 Minimum Transmit Level</td>
<td>3.2 V\text{pp} into 5 Ohms</td>
</tr>
<tr>
<td>X10 Minimum Receive Level</td>
<td>10 mV\text{pp} nominal</td>
</tr>
<tr>
<td>X10 Messages Repeated</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting</td>
<td>Included desk stand (flat or vertical)</td>
</tr>
<tr>
<td>Button Labels</td>
<td>Printable using template</td>
</tr>
<tr>
<td>Operating Conditions</td>
<td>Indoors, 32 to 122°F, up to 85% relative humidity</td>
</tr>
<tr>
<td>Dimensions</td>
<td>5.0” H x 6.4” W x 3.0” D</td>
</tr>
<tr>
<td>Weight</td>
<td>1 lb 5 oz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>120 Volts AC +/- 10%, 60 Hertz, single phase</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>MOV rated for 150 Volts</td>
</tr>
<tr>
<td>Power Cord</td>
<td>6 ft, 2-pin polarized plug</td>
</tr>
<tr>
<td>Certification</td>
<td>Safety tested for use in USA and Canada (ETL #3017581)</td>
</tr>
</tbody>
</table>
Certification

ControLinc Maxi has been thoroughly tested by ITS ETL SEMKO, a nationally recognized independent third-party testing laboratory. The North American ETL Listed mark signifies that the product has been tested to and has met the requirements of a widely recognized consensus of U.S and Canadian product safety standards, that the manufacturing site has been audited, and that the manufacturer has agreed to a program of quarterly factory follow-up inspections to verify continued conformance.

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of two years from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this User’s Guide. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller’s liability with respect to this product. For repair or replacement during the warranty period, call Smarthome customer service to receive an RA# (return authorization number), properly package the product (with the RA# clearly printed on the outside of the package) and send the product, along with all other required materials, to:

Smarthome, Inc.
ATTN: Receiving Dept.
16542 Millikan Ave.
Irvine, CA 92606-5027

Limitations

The above warranty is in lieu of and seller disclaims all other warranties, whether oral or written, express or implied, including and warranty of merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the one-year period of the express warranty above. No other representation or claim of any nature by any person shall be binding upon seller or modify the terms of the above warranty and disclaimer. In no event shall seller be liable for special, incidental, consequential, or other damages resulting from the possession or use of this product, including without limitation damage to property and, to the extent permitted by law, personal injury, even if seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.