HAUNTED HOUSE

IN A BOX

A PRODUCT OF ANIMATED LIGHTING, L.C.

With Pumpkin Faces

Assembly and Operating Instructions

Animated Lighting

Overview

Congratulations! You have purchased the *Haunted House in a Box* (*HHIAB*). It is a plug-and-play light controller from *Animated Lighting* that enables you to quickly build an exciting Halloween light show with your lights on bushes and trees, black lights, strobes, spot lights or just about anything spooky that lights up or you can shine a light on.

Unpacking Haunted House in a Box

1 This is the front of *Haunted House in a Box* (15A version). It includes a 16-Channel light controller with one three-prong power cord dangle.

2 Here are the two components of *Haunted House in a Box*:

Monster Brain - This unit plays your lighting shows and songs.

16-Channel Light Controller (15A unit shown) - Plug your extension cords from your lighting channels directly into the female plugs on the bottom of the this unit. If you have purchased four singing pumpkins, you will receive three light controllers.

FM Transmitter
(An Optional Item Sold Separately)
Visitors to your display can listen to the *Haunted House in a Box's* holiday music by turning the FM radio in their vehicle to the appropriate frequency.

Other Parts You Might Need to Supply

To complete a *Haunted House in a Box* installation, you will need to supply extension cords to connect your lights where they are located on the *Haunted House in a Box* light controller. You will need a pair of powered speakers (or amplifier and speakers), plus your own light strings, flood lights, spot lights, black lights, strobe lights, props, lighting figurines, etc. Finally, you may need some zip ties to secure lights to trees and duct tape for securing wires that cross walking paths.

If Your Display is Outside

Locating your display outdoors is fine but keep in mind all components are not weatherproof. The light controller should be mounted in a position where the cord access holes point down so rain cannot enter the enclosure. The small Monster Brain is not weatherized and has sensitive electronics, therefore should be mounted inside a building or waterproof enclosure. Speakers should be mounted out of the direct path of rain (under your house eve is a good place) or use waterproof marine speakers.
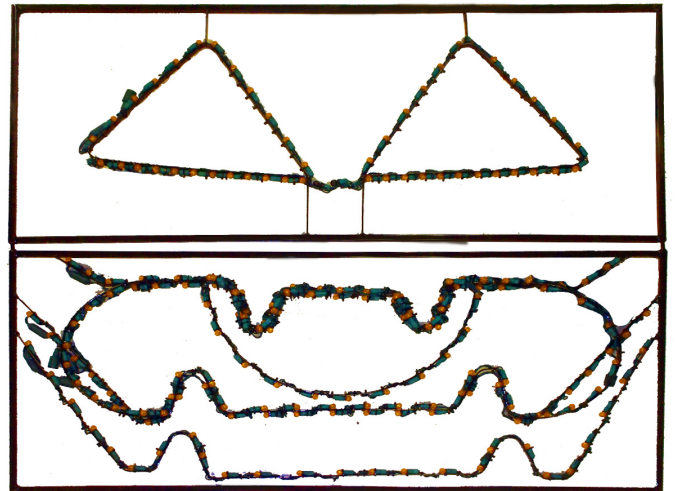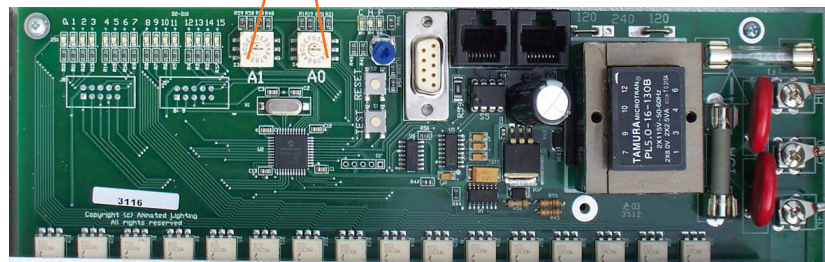
Single Pumpkin Face Package
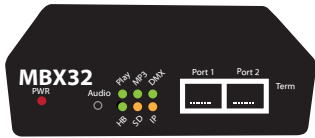
CONNECT WITH A CATEGORY 5 COMMUNICATION CABLE

PLUG THESE CHANNELS INTO THE LIGHT CONTROLLER USING THE CHART ON PAGE 3 AS YOUR GUIDE.

ADDRESSING: Locate the two dials on the same board as the RJ45 (8-pin) jacks that say *A1* and *A0* on them. These dials need to be set at "1" (A1) and "4" (A0). These dials will be changed based on the size of your display (the number of light controllers that are used).
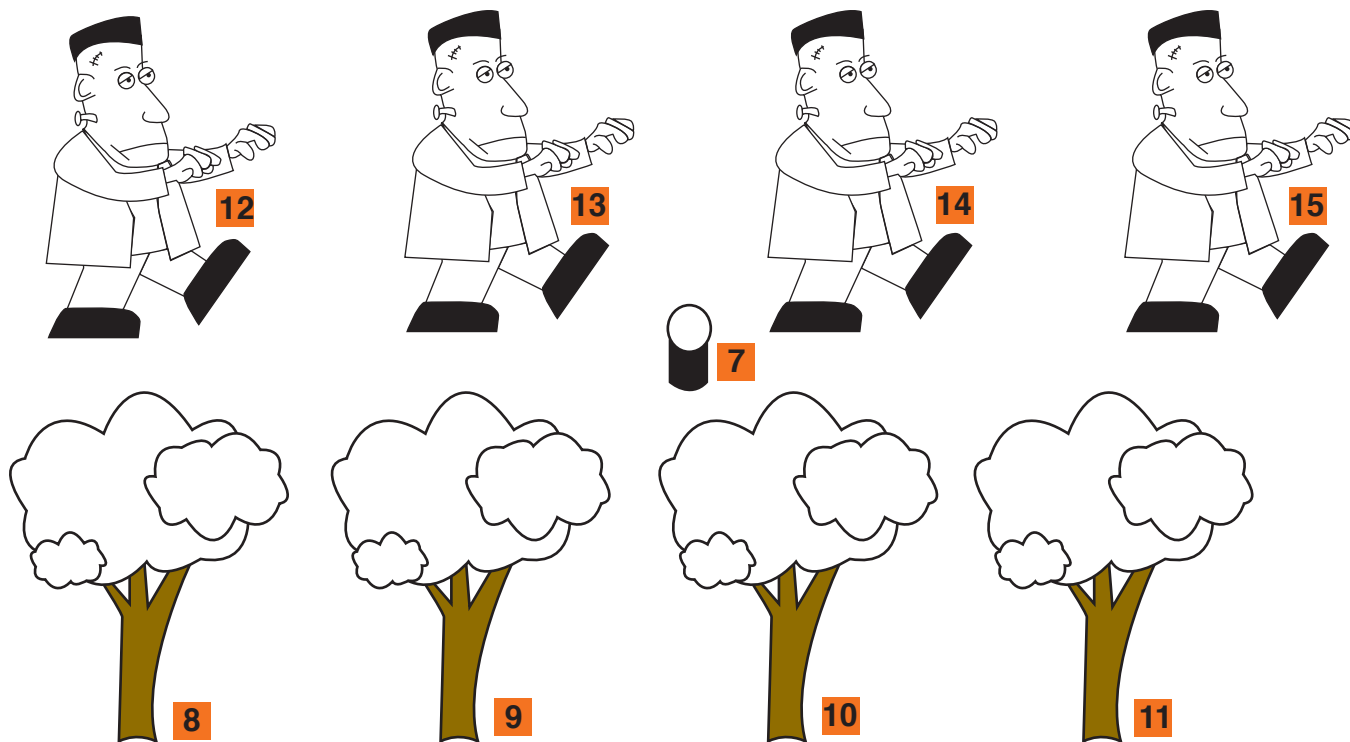
Suggested Layout-Single Pumpkin Face Package

The *Single Pumpkin Face Package* has been pre-programmed based on the following:

Light Channel	Description (Recommendation)
0	**Top Eyes**
1	**Bottom Eyes**
2	**Top Lip**
3	**Mid Lip**
4	**Bottom Lip**
5	**Open Mouth**
6	**Circle Mouth**
7	**Black Light**
8	**Auxiliary Bank 1, Channel A**
9	**Auxiliary Bank 1, Channel B**
10	**Auxiliary Bank 1, Channel C**
11	**Auxiliary Bank 1, Channel D**
12	**Auxiliary Bank 2, Channel A**
13	**Auxiliary Bank 2, Channel B**
14	**Auxiliary Bank 2, Channel C**
15	**Auxiliary Bank 2, Channel D**
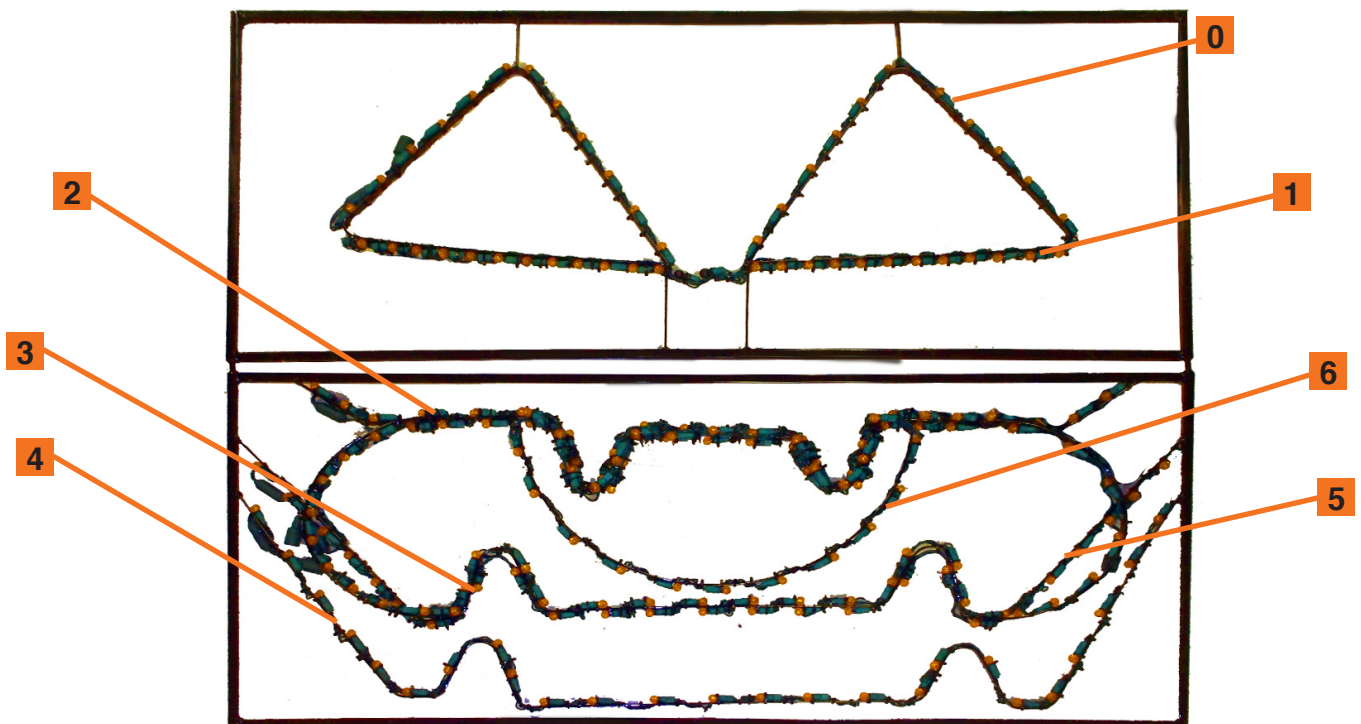
Suggested Layout - Single Pumpkin Face Package

## Splitting Zones Between Objects

As long as you do not put too many lights into one channel, or overload the entire light controller, you can split zones across multiple objects. This means you can put two or more lights on an individual channel with the light controller. If you have more lighted items to control than you have lighting channels, you can plug your ghoulish ghost and your vicious werewolf into the same lighting channel. Doing so will cause them to light and fade at the same time, therefore you may have to experiment with the placement location. Try placing them side by side, or on opposite sides of the yard. Choose what looks best to you!

Important Consideration for Power

Your *Haunted House in a Box* can power a large number of lights, more than a typical wall outlet can provide. There are between one to four 120 volt cords coming out of each lighting controller you have purchased. Plug each cord into different wall plugs to distribute the power. In some cases you will have to find wall plugs fed by different circuit breakers from your master power panel.

Four-Pumpkin Face Package

The Four Pumpkin Face package is designed to use either Qty. 2 or Qty. 3 light controllers. You will only need Qty. 2 light controllers if you are only going to have the Qty. 4 Pumpkin Faces *sing* to the music. If you want to control not only the Pumpkin Faces, but also have the lights on your bushes, trees, flood lights, black lights, and strobe lights dance to the music, you will need a third controller. We will identify this as "Initial Controller" in the diagram below. In either scenario, you will need to daisy chain from the Monster Brain to the controllers with a Category 5 network cable as shown below.

INITIAL
CONTROLLER:
BUSHES AND TREES
"0" (A1) "0" (A0)

FACES 1 AND 2
"1" (A1) "4" (A0)

FACES 3 AND 4
"1" (A1) "5" (A0)
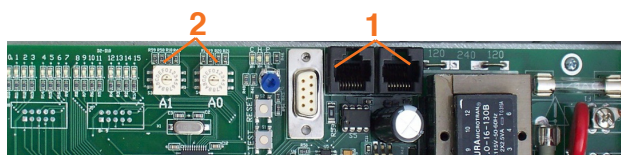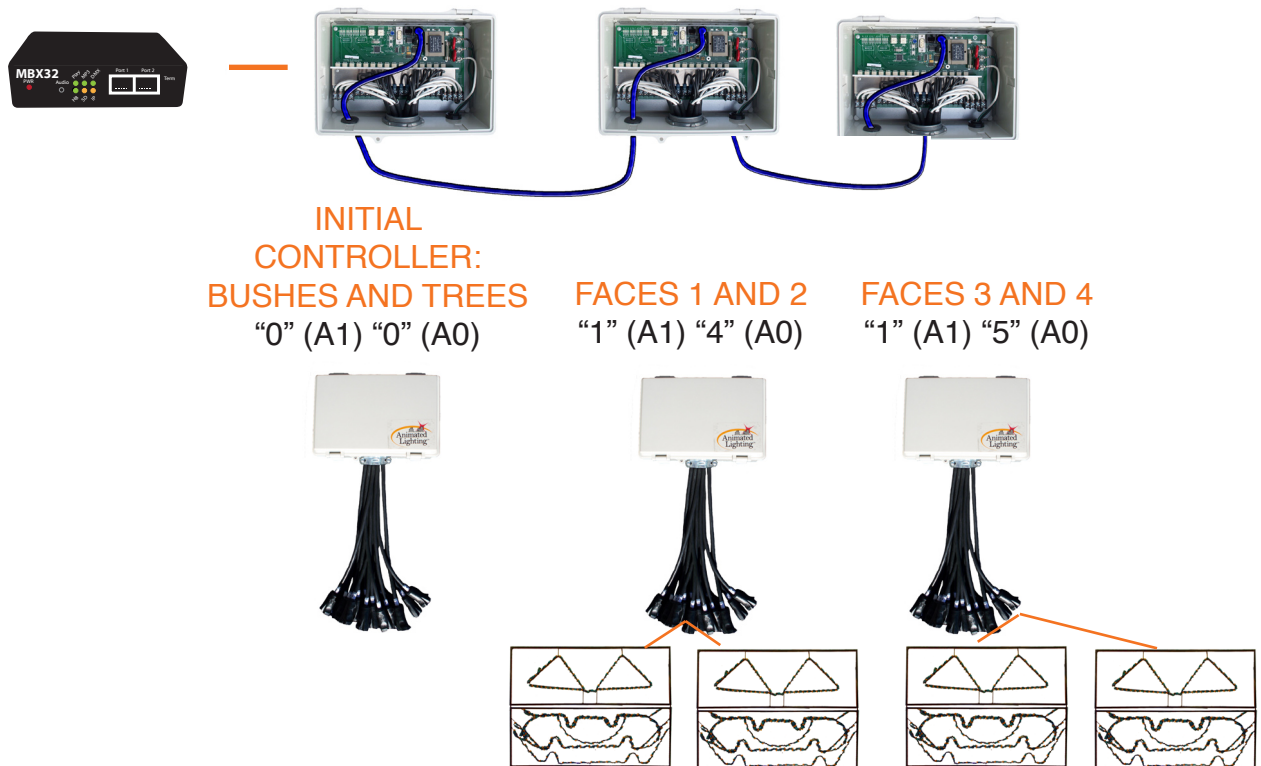
1) CONNECTION: Locate the RJ45 (8-pin) jacks inside each of your light controllers. Connect one end of a CAT 5 network cable into the open RJ45 jack of your original controller. Run the other end of the cable out of the hole in the bottom of the box, and into a hole on the bottom of the expansion controller. Plug that end into one of the available RJ45 jacks on your expansion controller.

2) ADDRESSING: Locate the two dials on the same board as the RJ45 (8-pin) jacks. Below these dials are designations "A1" and "A0". We have listed in the diagram above the network addresses that are needed for each light controller above the picture of each light controller.

Suggested Layout-Four Pumpkin Face Package

The *Four Pumpkin Face Package* with two controllers (controlling only the faces) has been pre-programmed based on the following (see below). Remember the controller for Faces 1 and 2 are addressed at "1" (A1) and "4" (A0).

Light Channel	Description (Recommendation)
0	Top Eyes, Face 1
1	Bottom Eyes, Face 1
2	Top Lip, Face 1
3	Mid Lip, Face 1
4	Bottom Lip, Face 1
5	Open Mouth, Face 1
6	Circle Mouth, Face 1
7	Black Light
8	Top Eyes, Face 2
9	Bottom Eyes, Face 2
10	Top Lip, Face 2
11	Mid Lip, Face 2
12	Bottom Lip, Face 2
13	Open Mouth, Face 2
14	Circle Mouth, Face 2
15	Black Light

Light Channel	Description (Recommendation)
0	Top Eyes, Face 3
1	Bottom Eyes, Face 3
2	Top Lip, Face 3
3	Mid Lip, Face 3
4	Bottom Lip, Face 3
5	Open Mouth, Face 3
6	Circle Mouth, Face 3
7	Black Light
8	Top Eyes, Face 4
9	Bottom Eyes, Face 4
10	Top Lip, Face 4
11	Mid Lip, Face 4
12	Bottom Lip, Face 4
13	Open Mouth, Face 4
14	Circle Mouth, Face 4
15	Black Light

Suggested Light Arrangements - Four Pumpkin Face Package

The standard lighting channels for the *Haunted House in a Box* has been pre-programmed based on the following (the network addresses of this controller are "0" (A1) and "0" (A0):

0	**Strobe Light.**
1	**Flood Light, Channel A.** Placed upwards towards a large object in the back of the display. These two items work best together. If you place the Channel A flood light on the left side of your front door, then it is best to place the Channel B flood to the right side of your front door.
2	**Flood Light, Channel B.** If you place Channel A flood light on the left side of your front door, then it is best to place Channel B flood light to the right side of your front door.
3	**Black Light.** Looks very good up against a sheet white ghost.
4	**Auxiliary Bank 1, Channel A.** Looks best if placed in the front of the display and in sequential order from the left to the right. Any type of light can be used. You can have four bushes with orange mini lights wrapped around them. You can have four light up figurines. Feel free to use your imagination!
5	**Auxiliary Bank 1, Channel B.** Looks best if placed in the front of the display and in sequential order from the left to the right. Any type of light can be used. You can have four bushes with orange mini lights wrapped around them. You can have four light up figurines. Feel free to use your imagination!
6	**Auxiliary Bank 1, Channel C.** Looks best if placed in the front of the display and in sequential order from the left to the right. Any type of light can be used. You can have four bushes with orange mini lights wrapped around them. You can have four light up figurines. Feel free to use your imagination!
7	**Auxiliary Bank 1, Channel D.** Looks best if placed in the front of the display and in sequential order from the left to the right. Any type of light can be used. You can have four bushes with orange mini lights wrapped around them. You can have four light up figurines. Feel free to use your imagination!
8	**Auxiliary Bank 2, Channel A.** Looks best placed evenly behind Auxiliary Bank 1 as some of the effects play behind two banks.
9	**Auxiliary Bank 2, Channel B.** Looks best placed evenly behind Auxiliary Bank 1 as some of the effects play behind two banks.
10	**Auxiliary Bank 2, Channel C.** Looks best placed evenly behind Auxiliary Bank 1 as some of the effects play behind two banks.
11	**Auxiliary Bank 2, Channel D.** Looks best placed evenly behind Auxiliary Bank 1 as some of the effects play behind two banks.
12	**Extra Prop A.** Looks best placed behind channels 10 and 11. They work hand and hand with the channels in auxiliary Band 2.
13	**Extra Prop B.** Looks best placed behind channels 10 and 11. They work hand and hand with the channels in auxiliary Band 2.
14	**Strobe Light.**
15	**Strobe Light.**

Suggested Layout - Four Pumpkin Faces (continued)

Splitting Zones Between Objects

As long as you do not put too many lights into one channel, or overload the entire light controller, you can split zones across multiple objects. This means you can put two or more lights on an individual channel with the light controller. If you have more lighted items to control than you have lighting channels, you can plug your ghoulish ghost and your vicious werewolf into the same lighting channel. Doing so will cause them to light and fade at the same time, therefore you may have to experiment with the placement location. Try placing them side by side, or on opposite sides of the yard. Choose what looks best to you!

Important Consideration for Power

Your *Haunted House in a Box* can power a large number of lights, more than a typical wall outlet can provide. There are between one to four 120 volt cords coming out of each lighting controller you have purchased. Plug each cord into different wall plugs to distribute the power. In some cases you will have to find wall plugs fed by different circuit breakers from your master power panel.

Setting Up the Base System

Determine the final location for the light controllers (mindful of the power requirements mentioned above), Monster Brain and speakers.

This is the Monster Brain. Make sure it is located inside a building or a weather proof enclosure.
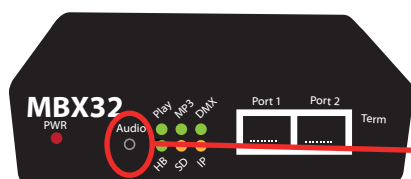
On the front of the Monster Brain is a standard 1/8" stereo mini jack for connecting your amplified speakers. It is labeled *Audio*. You may also use this connection as the input for your mixing board.

Connect one end of the communications cable here. This is where the Monster Brain communicates with the external light controllers. Port 1 is for standard light controllers, Port 2 is for Pixel Drivers (for RGB customers only).
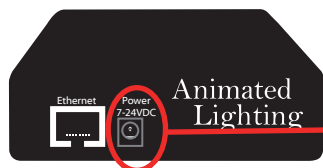
Connect the small plug of the wall transformer here. Do not plug the transformer into the wall outlet yet.

Your light controller enclosure can be located outside but make sure the access holes are pointing down so rain water cannot enter the unit.

Plugging the Haunted House in a Box Light Controllers into Power

A *Haunted House in a Box* light controller is rated for loads between 15 and 60 Amperes maximum. Most household wall outlets are rated for loads of 15 Amperes maximum. Therefore, unless you have specifically installed an outlet that can handle 30 Amperes, you should locate two over-under outlets on separate circuits to power the light controller. (One power cord per two-hole, over-under outlet.)

ALWAYS REMOVE POWER FROM CONTROLLERS BEFORE OPENING THE LID COVER TO THE CONTROLLER. DO NOT ATTEMPT TO PLUG IN OR REMOVE CORDS FROM CHANNEL OUTLETS UNTIL POWER TO THE CONTROLLER HAS BEEN REMOVED.

Use for Year-Round

The Haunted House in a Box can be used for several events to dazzle your friends and family:

Christmas

Use your Christmas in a Box "personality cards" to play Christmas lighting shows and songs. Broadcast holiday music that is in perfect rhythm with your lighting effects. You can animate just one object, a small group, or include an unlimited number of trees or columns.

Parties

Use our *Party in a Box* personality cards. We have the shows and songs to help you and your friends dance the night away!

Patriotic Holidays

Use our *Patriotic* personality cards. We have lighting shows and songs that help capture the spirit of these holidays!

Support Issues or for More Details

CALL: 816.941.0400 (9 a.m. to 5 p.m. CST, M-F excluding holidays)

EMAIL: *support@animatedlighting.com*

Warranty and Disclaimer

Please consult *www.animatedlighting.com* for product warranty and disclaimer information.