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# **TOUCH SCREEN WALL CONTROL SUPPLEMENT**

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**Touch Screen Wall Control  
Agency Approvals**



**Medical Electrical Equipment**

With respect to electric shock, fire  
and mechanical hazards only.

In accordance with IEC60601-1:2006 / CAN/CSA C22.2  
No.601.1-M90 with updates 1 & 2

Classifications:

1. Protection against electrical shock (6.2). Class I
2. Protection against harmful ingress of water (6.3). None.
3. Degree of safety in the presence of flammable anesthetics or oxygen (3.11, 3.12, 11.4, 11.5). Not suitable for use in the presence of flammable anesthetics or oxygen.
4. Mode of operation (6.6). Continuous

Electromagnetic compatibility for immunity  
And emissions in accordance with  
IEC/EN 60601-1-2:2007 ed 3.0 (with 1:2008+A2:2009) and  
CISPR 11 Class A

Medical Electrical Equipment

**Intended use:** To control the light intensity, correlated color temperature and camera commands for associated Medical Lighting equipment

**User interface:** Touch Screen tablet

**Misuses:** For any purpose or use at any facility other than stated above. Caution shall be exercised when positioning and mounting the unit to a wall.

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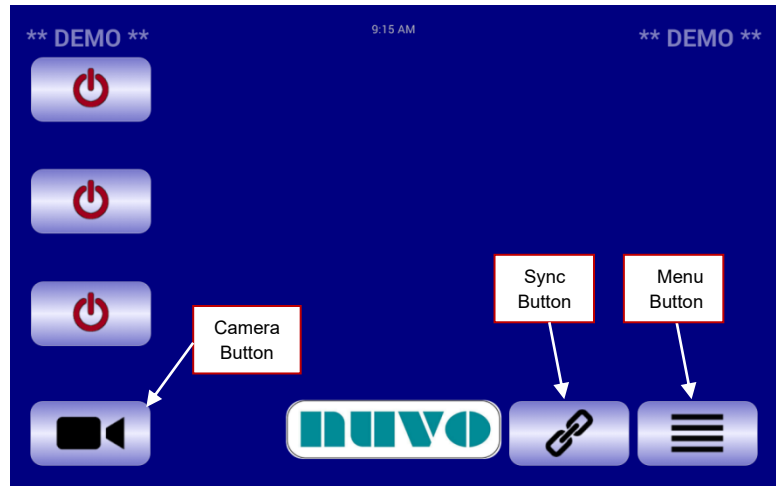
**\*\*\* IMPORTANT NOTICE \*\*\***

The tablet must be paired and the Camera application must be started prior to installing the tablet into the Wall Mount enclosure. The tablet will be activated by touch only if the application is running. Otherwise the tablet will have to be removed from the Wall Mount enclosure to start the application.

# BUTTON LAYOUT

## App Main Screen

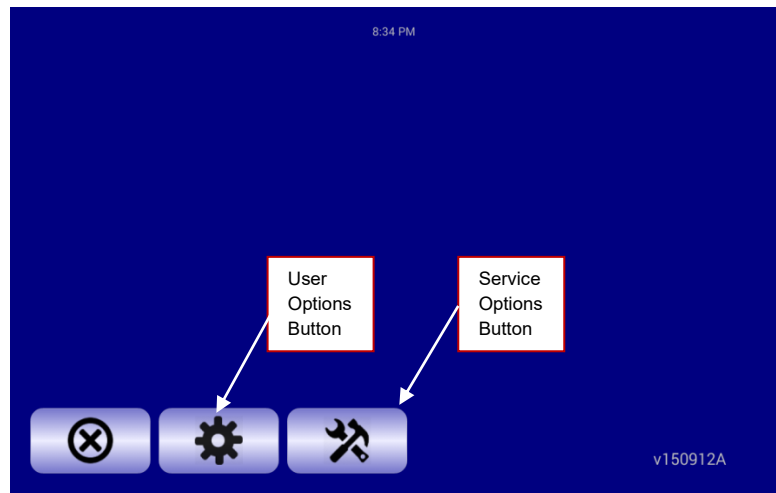
- Menu Button – pressing the menu button will show the two buttons used to access Settings and Service Options screens
- Sync Button – pressing the Sync Button will sync all paired lights together. More about this button can be found in the Tablet Operation Section.
- Camera Button – pressing the camera button will take you to the Screen used to control camera functions if available. More about this button can be found in the Tablet Operation Section.



## Menu Options

These buttons are seen once the menu button is pressed

- Service Options Button – pressing this button will take you to the Service Options Screen
- User Options Button – pressing this button will take you to the User Options Screen

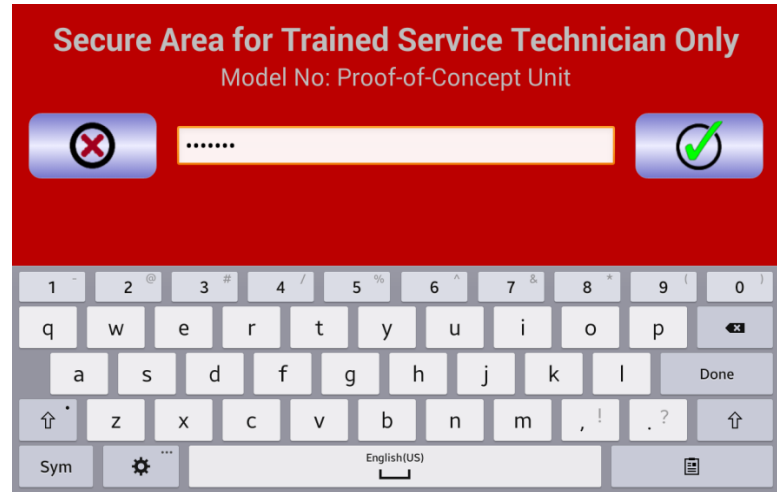


- The Service Options and User Options screens are password protected. You will be prompted to enter the passwords below in order to gain access to the desired screen.

Service Options – “medillum”

User Options – “none”

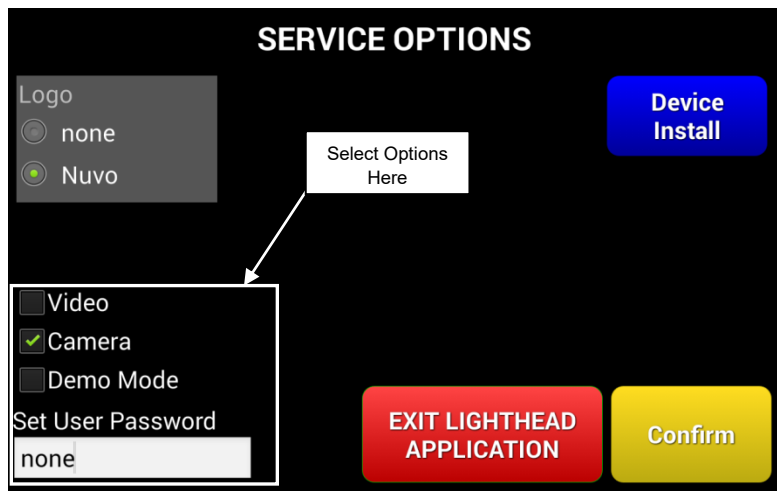
(The user options password is preset to none this can be changed on the Service Options Screen)



### Service Options Screen

- On this screen a check box is present for Camera. This option should be checked if a paired light head has a camera
- The Set User Password text field should reflect the desired password to access the User Options screen

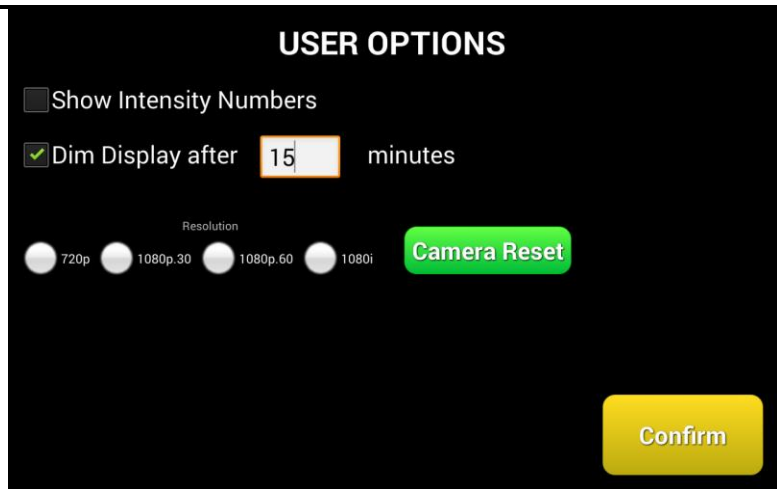
**NOTE:** The user password is used to gain access to the Users Options screen. This must be changed; otherwise “none” will be used as the password.



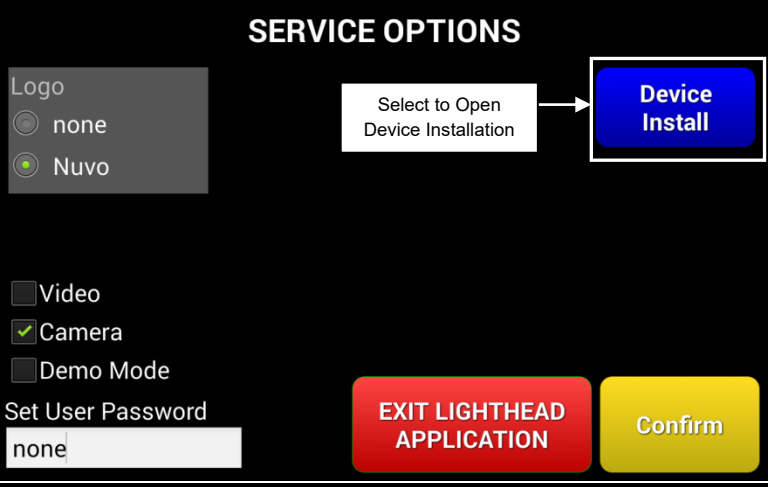
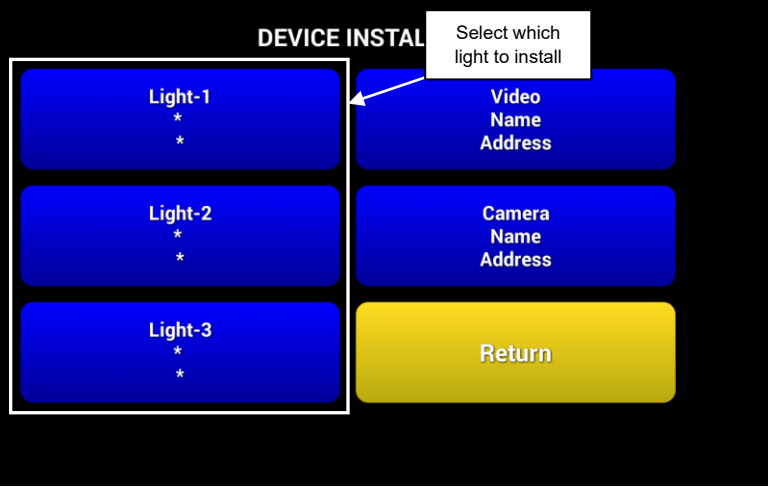
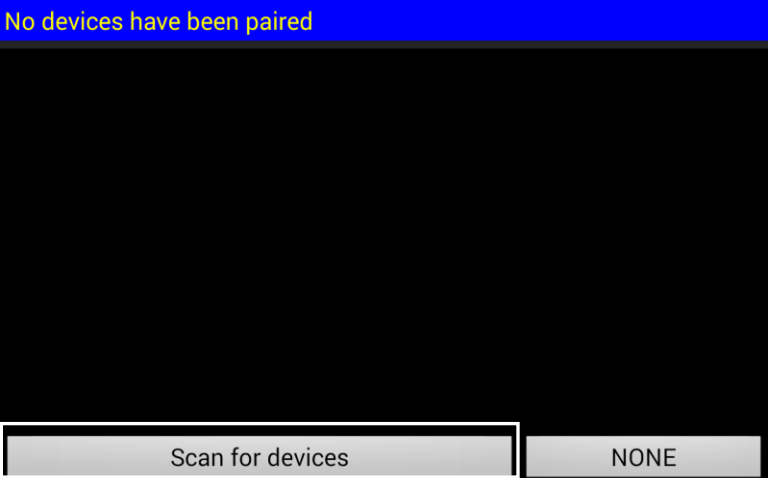
### User Options Screen

- On this screen check boxes are present to show intensity numbers and to dim the display after a preset time
- Also, selectable buttons for video resolution are present

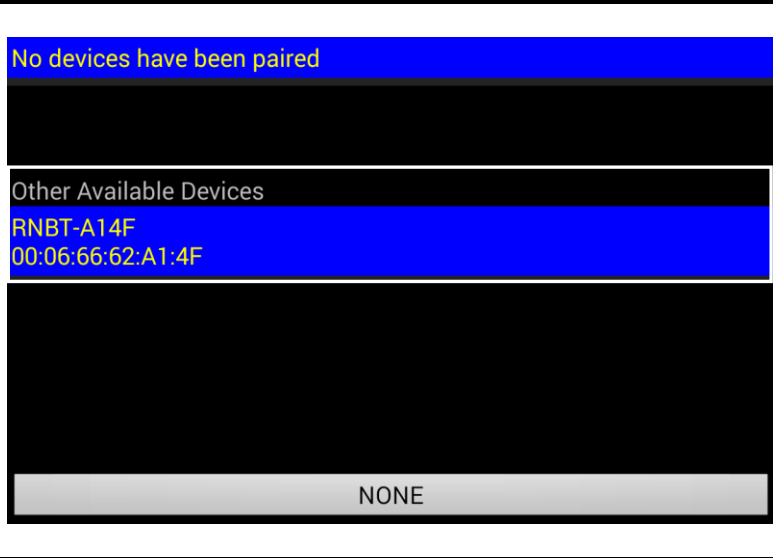
**NOTE:** After selecting the desired video resolution, a camera reset is required for the change to take place. Press the Camera Reset button to reset the camera.



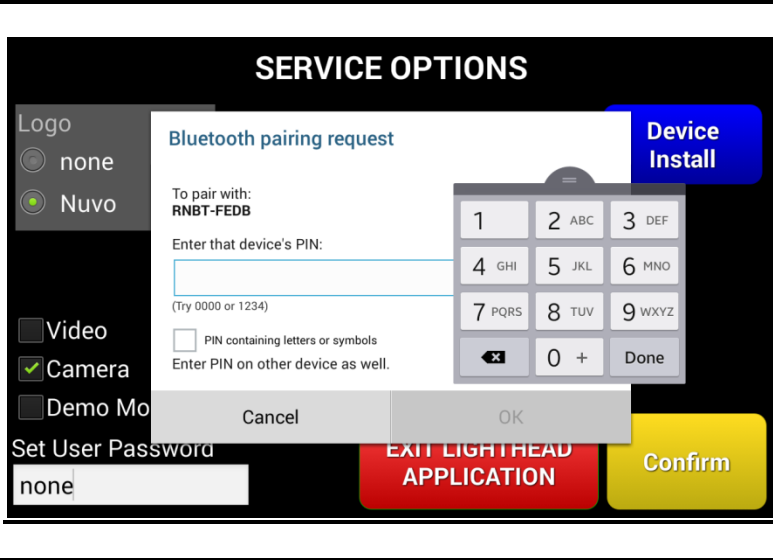
# PAIRING

<p><b>NOTE: Before attempting to pair, make sure light head has power.</b></p> <ul style="list-style-type: none"> <li>On the service options menu screen, select device install</li> </ul>	
<ul style="list-style-type: none"> <li>Select which light that you would like to pair</li> </ul>	
<ul style="list-style-type: none"> <li>If your light head has been previously paired, the ID will appear at the top of the screen. Otherwise select scan for devices to scan for available Bluetooth devices.</li> </ul>	

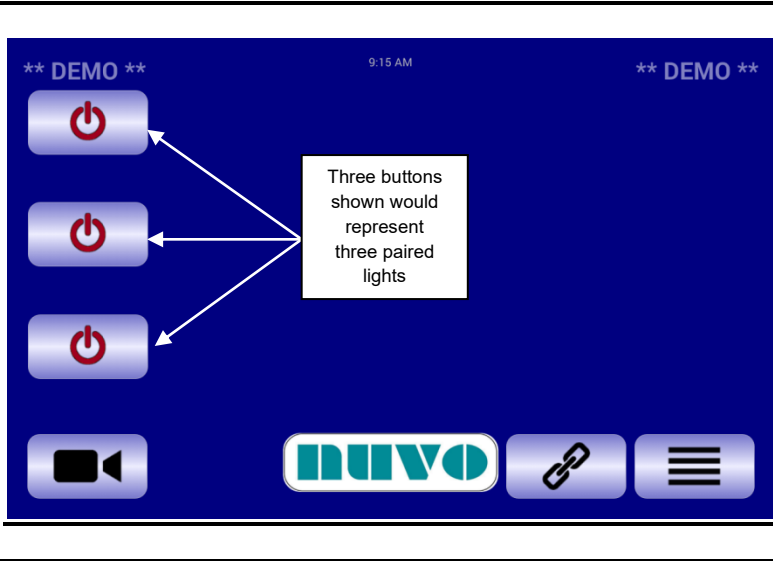
- Select the Bluetooth ID of the light head that you are attempting to pair
- Select return to return to the Service Options Screen



- When prompted, to complete the pairing enter the pin number: "123654789"
- To pair additional lights, tap the device install button and repeat the pairing instructions above



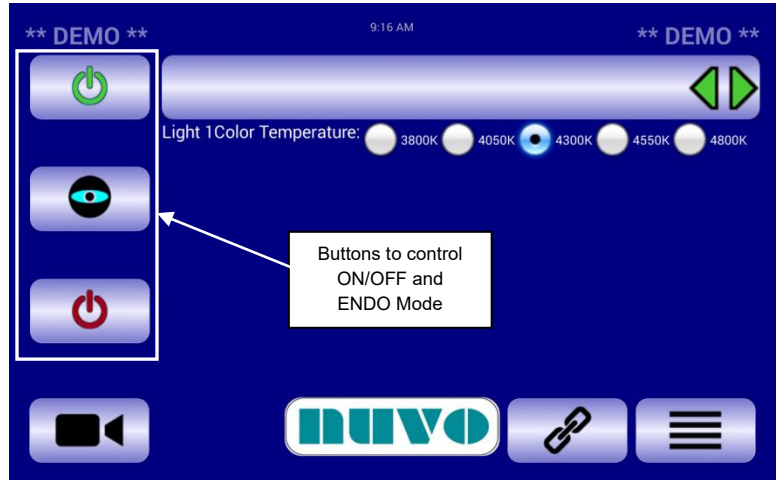
- If the pairing was successful, you should now see buttons to control the light head. Use the buttons to verify functionality of the light
- NOTE: If the light is non-responsive to user input on the tablet, disconnect the light head from mains power and wait 10-15 seconds then re connect the light head. Once paired check for full functionality.



# TABLET OPERATION

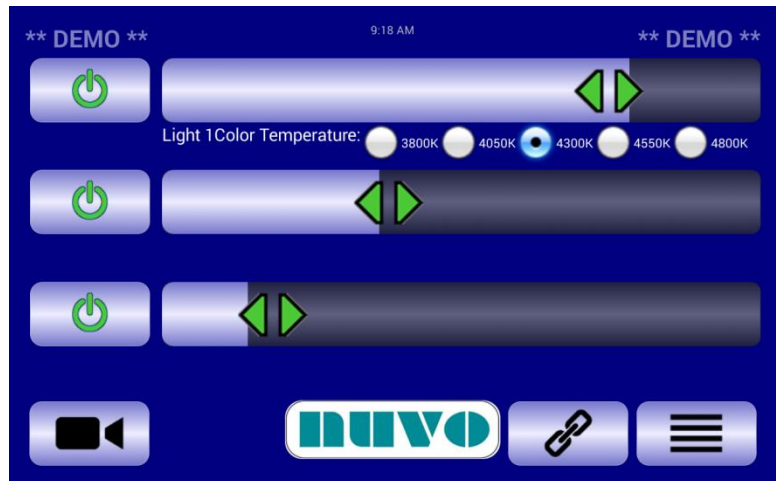
## Turning the light On/Off and Endo Mode

- Each paired light will have its own set of buttons to control On/Off and Endo Mode. With the light on, the intensity slider will appear and a green power symbol will be present on the power button.
- To access Endo Mode, tap the power button. The graphic on the button should now show the Endo Mode symbol shown at right.
- To turn the light off, tap the power button once again. The power button should now show a red power symbol, signifying the off state.



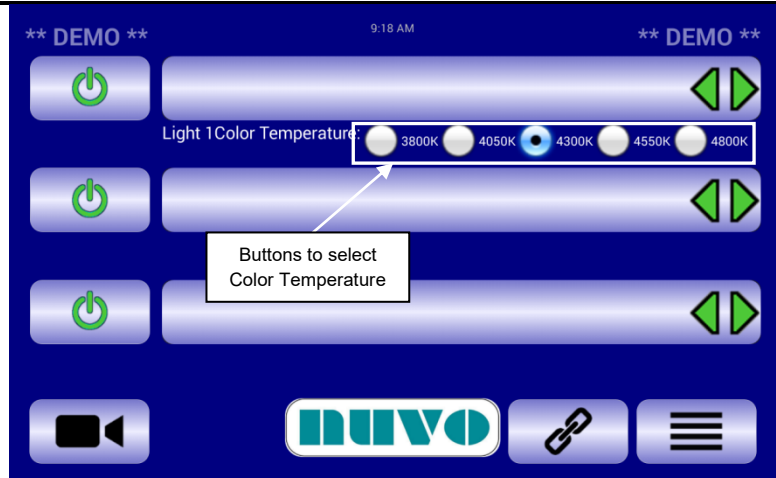
## Adjusting light intensity:

- To adjust light intensity, slider bars are present for each paired light.
- Simply drag the slider bar to set the desired light to one of the 5 light intensity settings



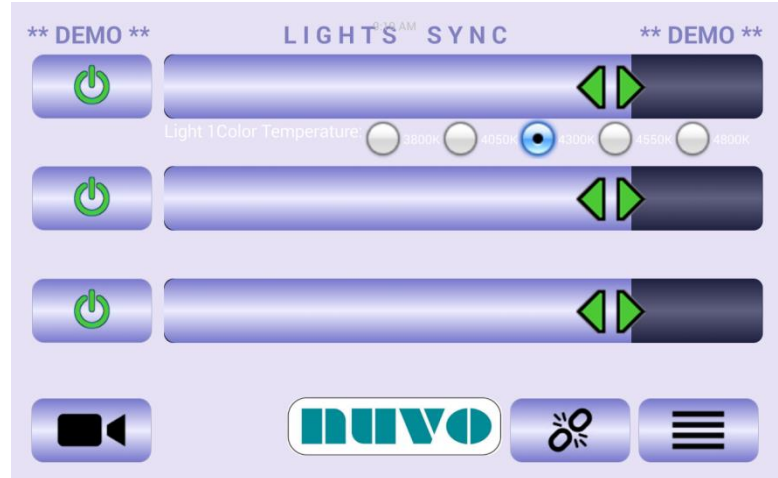
## Selecting color temperature

- On lights with the capability to adjust color temperature, buttons to adjust the color temperature will appear beneath the paired light.
- To select the desired color temperature, selectable color temperature buttons will be present beneath the slider bar of each CCT adjustable light.
- Simply tap the desired color temperature.



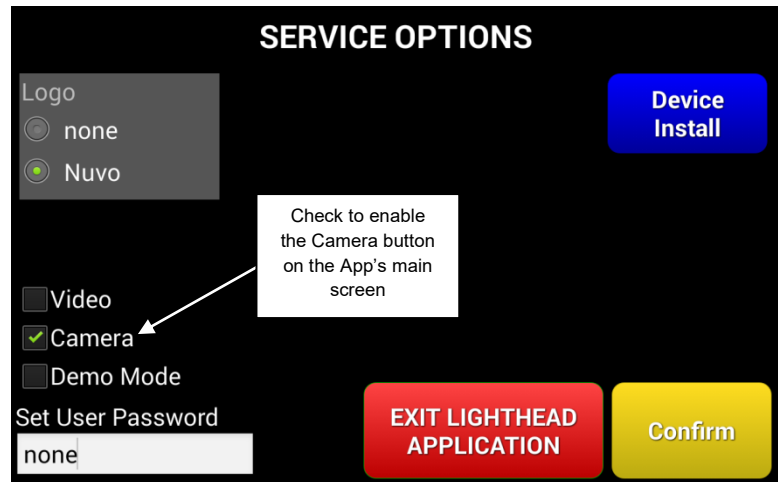
### Syncing the lights

- Each paired light has the ability to be synced. When the Sync Button is tapped, the background color will change, the “LIGHTS SYNC” text will appear and the graphic on the Sync Button will change.
- When the lights are synced, adjusting the intensity or color temperature for one light will automate the same change for the remaining paired lights.

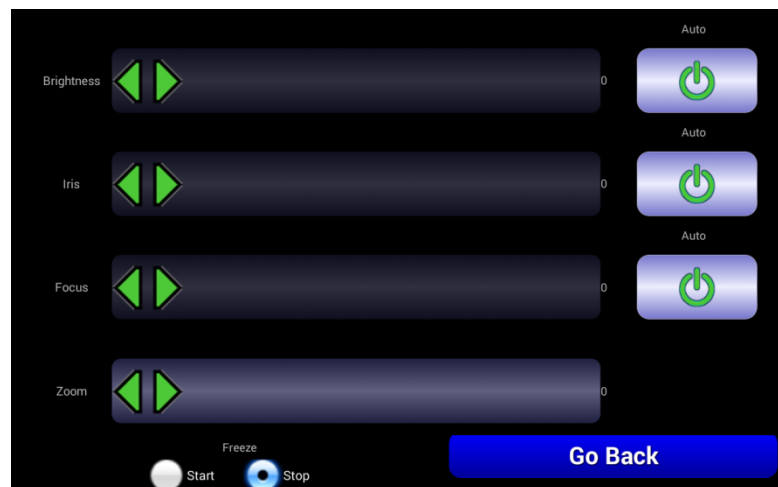


### Camera Operation

- If you purchased an In-Light Camera or the optional P4 camera assembly, you will need the tablet to operate the different functions of these cameras.
- To enable the camera option, select the check box for camera in the service options menu. Once checked the camera button will appear on the main screen of the app.



- Selectable manual and auto buttons for brightness, iris and focus are available. These buttons can be seen to the right of the slider bar for each function
- To manually adjust brightness, iris or focus, put the function into manual mode and use the slider bar to select the desired level.
- To zoom in/out, a slider bar is used.
- To freeze the image seen on the screen, use the freeze Start and Stop buttons.



## TROUBLESHOOTING

Problem	Cause	Remedy
Light not responding to tablet adjustments	<ol style="list-style-type: none"> <li>1. Light head not powered</li> <li>2. Light head and tablet not synced</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn on power</li> <li>2. Refer to the pairing section on page 6</li> </ol>
Camera not responding to tablet adjustments	<ol style="list-style-type: none"> <li>1. Light head and tablet not synced</li> <li>2. Camera not powered</li> </ol>	<ol style="list-style-type: none"> <li>1. Refer to the pairing section on page 6</li> <li>2. Turn on power (plug in unit). Verify by observing the cameras image on screen</li> </ol>
No video seen on screen with camera assembly inserted.	<ol style="list-style-type: none"> <li>1. Camera not powered</li> <li>2. Camera is in the wrong video resolution.</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn on power (plug in unit). Once the camera is powered, audible clicks can be heard upon start up.</li> <li>2. Adjust the resolution to the correct format on the Service Options menu. Once the correct resolution is selected, reset the camera in order for this change to take effect.</li> </ol>
When attempting to pair, scan for devices not finding Bluetooth ID	<ol style="list-style-type: none"> <li>1. Tablet needs to be refreshed.</li> <li>2. Light Head not powered</li> </ol>	<ol style="list-style-type: none"> <li>1. Restart Tablet</li> <li>2. Verify power to Light Head is on. Verify the Fuse is good.</li> </ol>

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