Follow these steps to integrate the e-Node with VANTAGE Controls:

Step 1a) Commission all connected ILC-xx0 or IMC-xx0 controllers as per Converging Systems' **Quick Start Guides** or **Full Version Installation Guides.** MOST IMPORTANTLY, ASSIGN ALL **Z**one/**G**roup/**N**ode and Short Alias Names before proceeding to Step 1b)

Download the most recent Converging Systems Lighting Guides

Download the most recent Converging Systems Motor Guides

Note: For a detailed/more exhaustive Vantage Controls Integration Note, click here and pick Integration Note.

Step 1b) Select the latest driver (for Motor or Lighting) for Vantage from within Vantage Design Center.
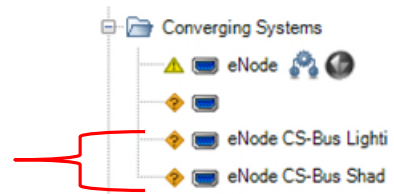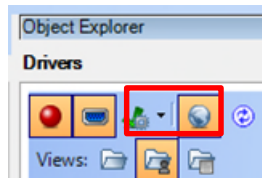
LED Lighting control. "e-Node CS-Bus Lighting" - v13 or later-search under **Online drivers** or **Certified Drivers**

Motor control. "e-Node CS-Bus Shading" - v6 or later-look search under **Online drivers** or **Certified Drivers**


NOTE: If you are supporting concurrent LED and Motor operations (within the same e-Node), load two separate drivers and utilize (i) one Telnet Port/socket on the e-Node for Lighting Devices and (ii) another Telnet Port/socket on the e-Node for the Motor Devices (two different sets of Usernames and Passwords).

Close   Next

Follow these steps to integrate the e-Node with VANTAGE Controls:

Step 2a) Under **Area View**, add the (applicable) driver to your project (i.e., "e-Node CS-Bus Lighting" or "e-Node CS-Bus Shading")
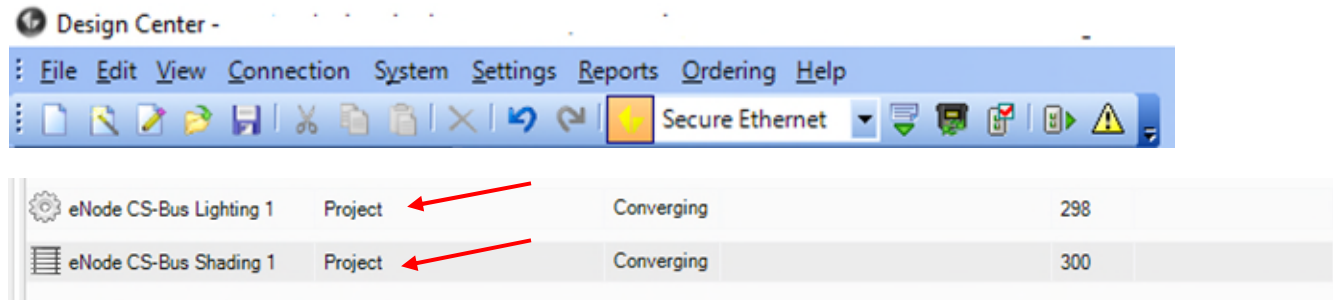
Step 2b) Under **Area View**, double click on the applicable parent device (e-Node) to expose the default child motor or lighting controller. Enter the **Z.G.N** Address (i.e., "**Z**one.**G**roup.**N**ode format with **periods**"). For each additional child device (i.e., ILC-xxx or IMC-xxx/CVM channel) select **Add Light** (**Add Motor**) and populate additional devices with an alias **Name** and **Address** (in Z.G.N. format).

Back   Next
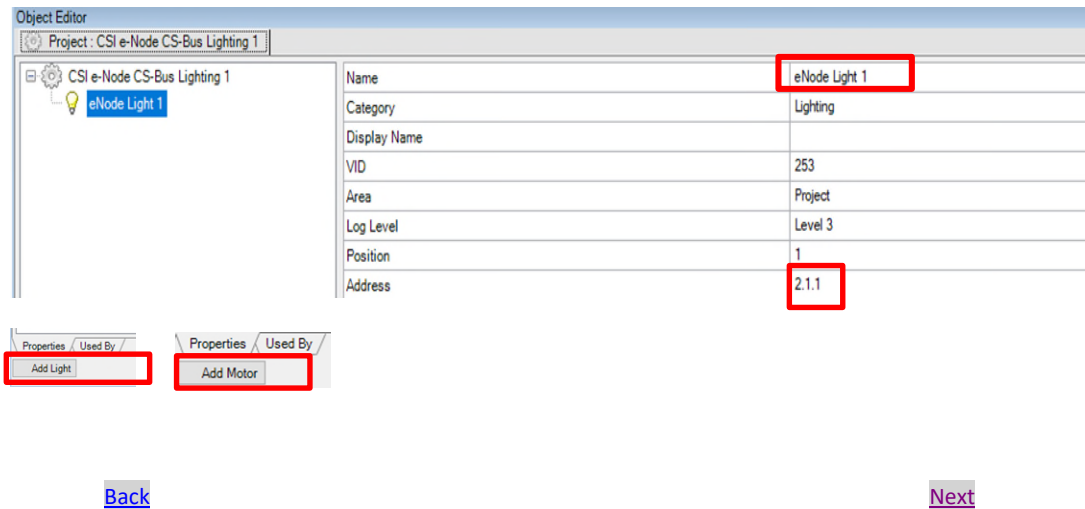
Follow these steps to integrate the e-Node with VANTAGE Controls:

Step 3) Again under **Area View**, configure the **Port** Setting for a new TCP Client and Assign the e-Node's **IP address.** Enter a **Username** and **Password** matching the entries that were commissioned with the e-Node (defaults are shown below). Leave **Verbose Mode** (checked) to eliminate superfluous bus traffic for bidirectional communication since we provide **C**hange **O**f **V**alue (COV) backchannel information automatically.

Note: Within e-Node, if you have TELNET authentication **Enabled,** you must enter that information below. However, if you have TELNET authentication **Disabled** within e-Node, DO NOT ENTER anything under Username and Password.

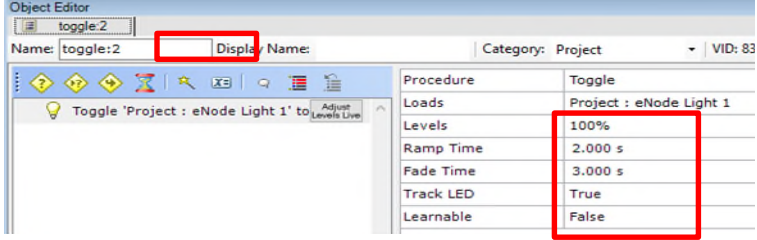|	
Name	CSI e-Node CS-Bus Lighting 1
Category	Lighting
Display Name	
VID	252
Area	Project
Log Level	None
Power Tracking	☐ Disabled
Sensor	
Port	TCP Client Port 2
Username	Telnet 1
Password	Password 1
Verbose Mode	☑
Exclude From Widgets	☐ False

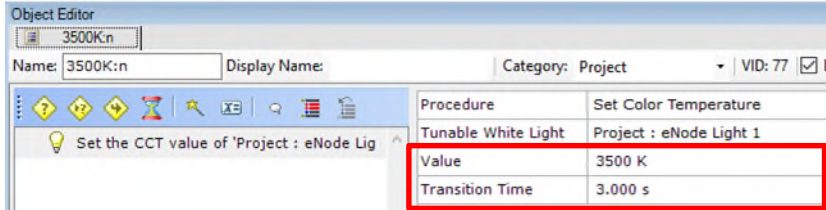Back   Next

Follow these steps to integrate the e-Node with VANTAGE Controls:

Step 4a) Under **Programming View**, hit Cntl+T and **add** relevant New Task. Use the Procedure Wizard and pick (i) **Lighting** or (iii) **Shade/Motors** tab.

Example P1. Here is an example to select a Toggle (i.e., LEDs on/off).

-**Name** your new Task. -Under **Load** device, pick applicable Load -Under **Levels**, pick turn on Level -Under **Misc**. select applicable settings -Under **LED Action**, select how Vantage UI will respond -Select **OK** to save	

Example P2. Here is an example to select Color Temperature to 3500K.

|	
-**Name** your new Task. -Under **Tunable White Light**, pick applicable Load -Under **Value**, pick the Value (temp) and Transition Time. --Select **OK** to save	

Follow these steps to integrate the e-Node with VANTAGE Controls:

Step 4b) Under **Programming View**, hit Cntl+T and **add** relevant New Task. Use the Procedure Wizard and pick (i) **Lighting** or (iii) **Shade/Motors** tab.

Example P3. Here is an example how to set a particular color using HSB (Hue/Saturation/Brightness—better than RGB).

-**Name** your new Task. -Under **Load**, pick applicable Load -Under **Hue/ Saturation/Lightness**, pick the **H/S/L** values in percentages (i.e., Red is **0**, Yellow is **40**, Green is **80**, Cyan is **120**, Blue is **160** and Magenta is **200**; Saturation of **100%** is the pure color/Saturation of **50%** introduces white). --Select **OK** to save
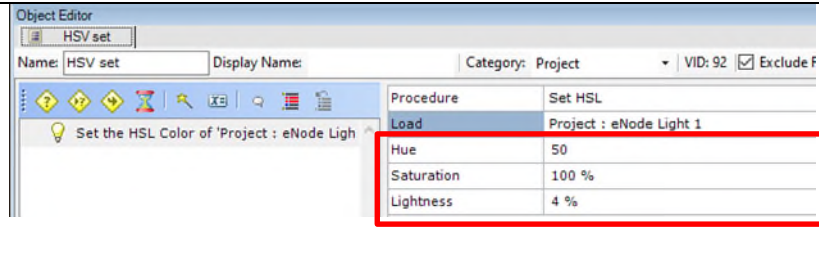
Example P4. Here is an example how to use **Procedure/Communication/Serial String** to support additional features (i.e., Circadian lighting in this case).

-**Add** a new task and **Name** it
-Under **Serial Port,** pick the applicable port (**TCP Client Port** x)
-Under **Serial String** enter appropriate syntax (see website 1st entry for all commands) and **set return character** as shown
-For the ramp time after the string **SUN_UP** (or **SUN_DOWN**), there is a colon and a field for ramp time (a number with optional letter).
- For seconds, enter 7200 (for 7200 sec.)
- For minutes, enter 120m (for 120 min.)
- For hours, enter 2h (for 2 hours)
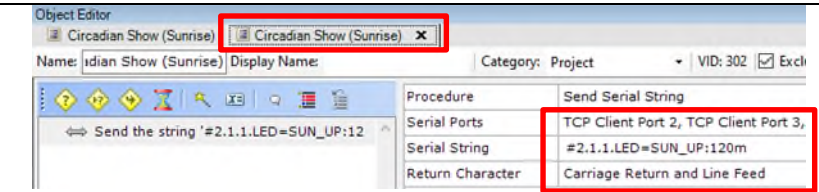
Circ UP from Dark w/ 120**m** ramp	#Z.G.N.LED=SUN_UP:120m
Circ DN from Midday w/ 3**hr** ramp	#Z.G.N.LED=SUN_DOWN:120h
Set Circadian to Midday w/ 0**s** ramp	#Z.G.N.LED=SUN,240:0

Note: if no tetter is placed after ramp time, it is assumed to be seconds.
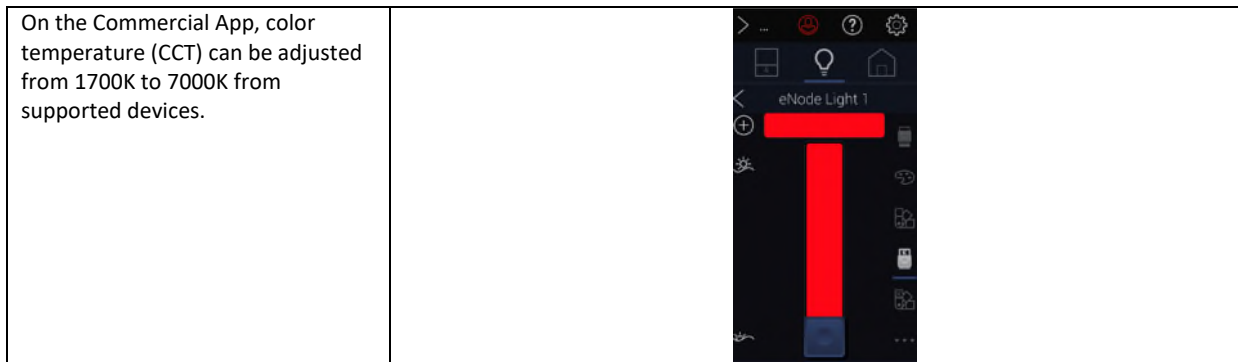
Follow these steps to using Vantage Color Widgets with VANTAGE Controls:

Step 5) Under **Equinox View**, add an appropriate Profile either under the **Residential** or **Commercial** tab for your particular supported EQ Station or Vantage App type (Residential or Architectural/Commercial).

Example W1. Here is an example on how to use the built-in Color Widget to select color values and color temperatures from supported keypads and Apps.

On the Residential and Commercial Apps, color can be adjusted and scenes stored using these types of UI	
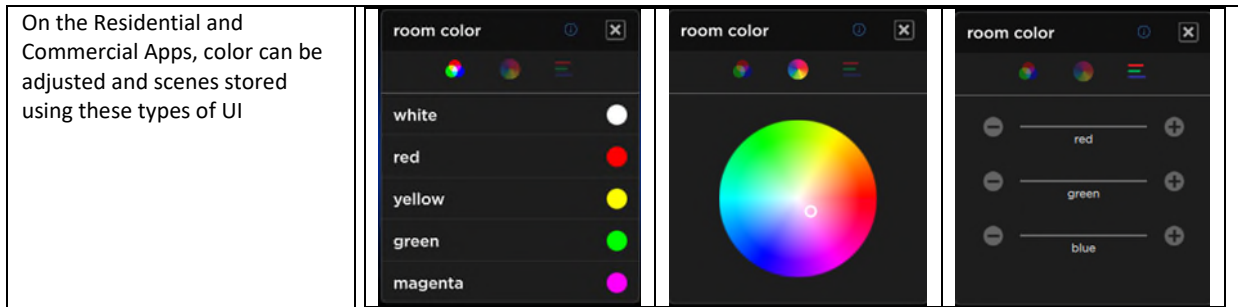
Example W2. Here is an example on how to use the built-in Color Temperature Widget to control CCT from supported keypads and Apps.

On the Commercial App, color temperature (CCT) can be adjusted from 1700K to 7000K from supported devices.	

Close