



Hardware Installation Guide

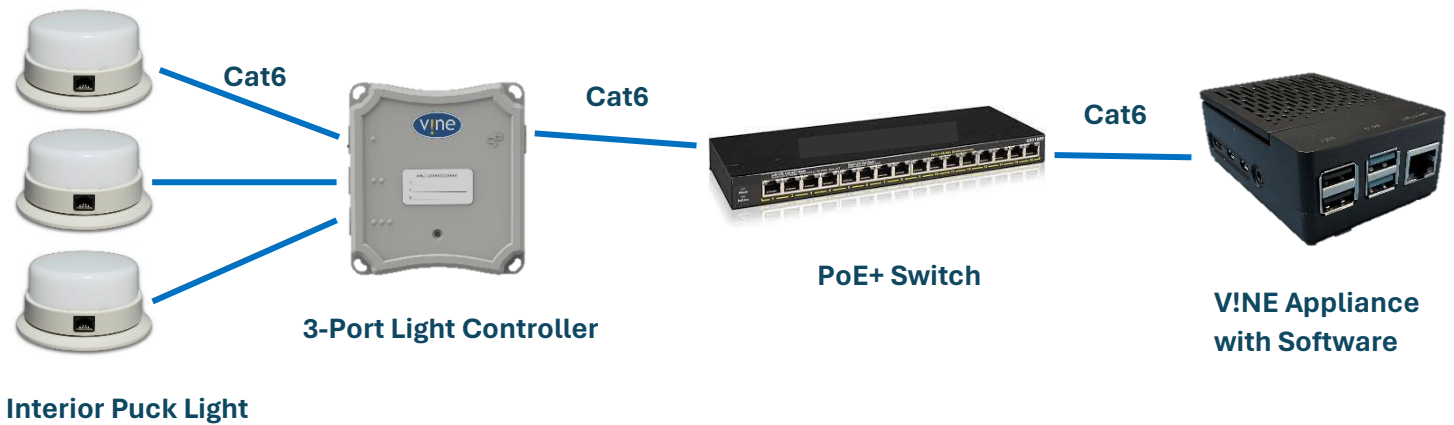


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Basic System Diagram



PoE+ Switch

The V!NE system requires use of a PoE+ switch to power all V!NE devices. If a user has an existing PoE+ switch, but there are not enough ports available, an additional PoE+ switch will be required. Light Controllers can be up to 100 meters from the PoE+ switch and a light can be up to 100 meters from the Light Controller, allowing most users to use their current network rack/closet. If lights are required beyond this 200m, an additional PoE+ switch located closer to the V!NE devices may be required. Do not use standard PoE switches with V!NE devices.

All V!NE devices should reside on the same network and cannot be triggered from users connected to other networks (including cellular networks).



Figure 1: PoE+ Switch

V!NE Appliance

The V!NE appliance is the center of all communication and protocol of the V!NE system. The Appliance should be located with all other networking equipment (in network closet or on the network rack). The appliance requires Cat6 ethernet to connect to the user's network and a power cable. Only 1 appliance is required per system.



Figure 2: V!NE Appliance

Light Controller

The V!NE Light Controllers should only be placed indoors, up to 100m away from the PoE+ switch using Cat6 cable. Light Controllers can power up to 3 indoor “puck” lights. The MAC label located on the top plastic surface has light location blanks that can be filled in during installation using a permanent marker.



Figure 3: Light Controller

Mounting

Light controllers have built-in mounting holes that can be used to mount the controller to drywall, masonry, wood, or other flat surfaces. Light Controllers can also be mounted to ceiling tile grids using the available Grid Mounts (sold separately). Architectural or recessed grid mounts are also available (sold separately).

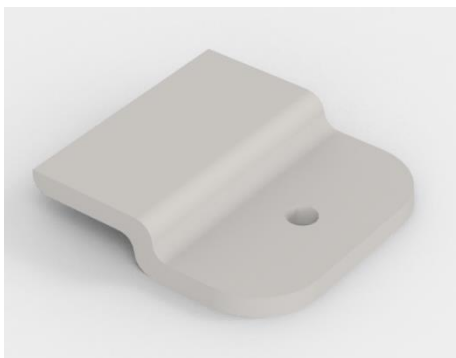


Figure 4: Light Controller Grid Mount



Figure 5: Light Controller Recessed Grid Mount

Indoor LED Light

The V!NE Indoor LED Lights can be placed up to 100m (328ft) away from the V!NE Light Controller using Cat6 cable. Each indoor LED light has a product label placed on the bottom of the light (remove mounting bracket) that allows the installer to designate which port the light is connected to on the corresponding Light Controller.



Figure 6: Indoor LED Light

Mounting

The Indoor LED Lights can be mounted to almost any surface. All indoor LED lights come standard with a Grid Mount. Surface Mounts and architectural/recessed grid mounts are also available (sold separately). The Indoor LED Light Mounts were designed to twist-on and twist-off in seconds, allowing for quick and easy installation.

The Indoor LED lights can also be mounted to a double-sided Hallway Mount. This mount enables 2 indoor LED Lights to be mounted back to back to allow for greater visibility and to reduce the total number of lights needed in long hallways. These Hallway Mounts require each light to have a Surface Mount, then simply slide to lock in place. The Hallway Mount is surface mount only, but can be installed on walls or ceilings (drywall, masonry, or wood).



Figure 7: Light Grid Mount



Figure 9: Light Recessed Grid Mount



Figure 8: Light Surface Mount